

opentext™

AppEnhancer® REST Services
Development Guide

Version 24.4

OpenText™ AppEnhancer

REST Services

This documentation has been created for OpenText™ AppEnhancer 24.2.

It is also valid for subsequent software releases unless OpenText has made newer documentation available with the product, on an OpenText website, or by any other means.

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Overview

Introduction to AE REST Services

OpenText AE REST Services are a set of RESTful web service interfaces that interact with the AE platform. Being developed in a purely RESTful style, AE REST Services provides you with high efficiency and simplicity in programming and makes all services easy to consume. These advantages make AE REST Services the best choice for next generation applications and mobile applications to interact with the AE platform.

AE REST Services identifies resources by Uniform Resource Identifiers (URIs). It defines specific media types to represent resources and drives application state transfers by using link relations. It uses a limited number of HTTP standard methods (GET, POST, PUT and DELETE) to manipulate these resources over the HTTP protocol.

AE REST Services support only the JSON and XML format for resource representation. JavaScript Object Notation (JSON) is a lightweight data interchange format based on a subset of the JavaScript Programming Language standard.

About AE REST Services

This document will provide explanations for all of the AE REST Services APIs. There is also a sample called the AXRESTTESTConsole that will be provided with the SDK installation that can be used to exercise the AE REST Services to help learn the APIs.

Supported Media Types

MIME Types Table

AE REST Service supports the following media types that follow the HyperText Application Language (HAL) specification.

MIME Type	Description
application/json+home	It is used to provide the home document resource in json format.
application/xml+home	It is used to provide the home document resource in xml format.
application/vnd.emc.ax+json	AE JSON representation. This will be in UTF8 encoding. This is the standard media type used for AE REST API's JSON request and responses.
application/vnd.emc.ax+xml	AE XML representation. This will be in UTF8 encoding. This is the standard media type used for AE REST API's XML request and responses.
application/atom+xml	It is used to provide the collection resource formatted in a formal feed and publication structure.
multipart/form-data	It is used to submit bin files with additional information to create an AX batch page, doc page and doc page version.
image/jpeg	JPEG Image. It is used to require a render job result of jpeg format.
image/gif	Gif Image. It is used to require a render job result of gif format.
image/config	Configuration stream. It is used to load and save configurations.
application/pdf	PDF file. It is used to require a render job result of PDF format.
application/xps	XPS file. It is used to require a render job result of XPS format.
application/zip	Zip file. It is used to require export of bin files for client print.
text/html	HTML. It is used to require a render job result of HTML format.

Link Relations

The AE REST Services use the link relations described in the following tables. The first set of link relations describe those that come from the public registry. The second set is link relations defined within OpenText and is used by AE REST Services.

Public Link Relations Registry

The Internet Assigned Numbers Authority (IANA) maintains the public link relations registry here: <http://www.iana.org/assignments/link-relations> . The following describes those that are used within AE REST Services with links to the detailed specifications.

Link Relation	Description
self	Conveys an identifier for the link's context.
first	An IRI that refers to the furthest preceding resource in a series of resources.
next	Indicates that the link's context is a part of a series, and that the next in the series is the link target.
prev	Indicates that the link's context is a part of a series, and that the previous in the series is the link target.
last	An IRI that refers to the furthest following resource in a series of resources.
edit	Refers to a resource that can be used to edit the link's context.
version-history	Points to a resource containing the version history for the context.
working-copy	Points to a working copy resource which is used to check out of the document.
working-copy-of	Points to the original document resource of the current working-copy.

AE Link Relations

These are link relations defined within OpenText and used by the AE REST Service.

Link Relation	Description
http://identifiers.emc.com/linkrel/attributes	Points to the AXAppAttributesDefinition resource
http://identifiers.emc.com/linkrel/permissions	Points to the AXPermissionDefinition resource
http://identifiers.emc.com/linkrel/datasources	Returns a collection of datasources
http://identifiers.emc.com/linkrel/datasource	Points to an AXDataSource resource
http://identifiers.emc.com/linkrel/current-user	Points to the current login AXUser resource
http://identifiers.emc.com/linkrel/queries	Returns a collection of queries
http://identifiers.emc.com/linkrel/query	Points to an AXQuery resource
http://identifiers.emc.com/linkrel/query-definition	Points to the AXQueryFields resource
http://identifiers.emc.com/linkrel/caq-query-definition	Points to the AXCAQConfig resource
http://identifiers.emc.com/linkrel/odma-query-definition	Points to the AXODMAQueryFields resource
http://identifiers.emc.com/linkrel/fulltext-query	Points to the AXFullTextQuery resource
http://identifiers.emc.com/linkrel/saved-query-result	Points to the AXQueryResults resource
http://identifiers.emc.com/linkrel/adhoc-query-result	Points to the AXQueryResults resource
http://identifiers.emc.com/linkrel/creator	Points to an AXUser resource which represents the creator of an AXQuery or AXBatch
http://identifiers.emc.com/linkrel/owner	Points to an AXUser resource which represents the owner of an AX batch document
http://identifiers.emc.com/linkrel/applications	Returns a collection of applications

http://identifiers.emc.com/linkrel/application	Points to an AXApplication resource
http://identifiers.emc.com/linkrel/fields	Points to an AXAppFields resource
http://identifiers.emc.com/linkrel/key-reference-index	Points to the AXKeyRefIndex resource
http://identifiers.emc.com/linkrel/auto-index	Points to the AXQueryResultCollection resource
http://identifiers.emc.com/linkrel/select-index	Points to the AXQueryResultCollection resource
http://identifiers.emc.com/linkrel/data-types	Returns a collection of datatypes
http://identifiers.emc.com/linkrel/data-type	Points to an AXDataType resource
http://identifiers.emc.com/linkrel/data-formats	Returns a collection of dataformats
http://identifiers.emc.com/linkrel/data-format	Points to an AXDataFormat resource
http://identifiers.emc.com/linkrel/batches	Returns a collection of batches
http://identifiers.emc.com/linkrel/batch	Points to an AXBatch resource
http://identifiers.emc.com/linkrel/batch-pages	Returns a collection of batch-pages
http://identifiers.emc.com/linkrel/doc	Points to an AXDoc resource
http://identifiers.emc.com/linkrel/indexes	Returns a collection of AXDocIndex resource
http://identifiers.emc.com/linkrel/odma	Points to an AXDocODMA resource
http://identifiers.emc.com/linkrel/doc-pages	Points to a collection of doc-pages
http://identifiers.emc.com/linkrel/doc-page	Points to an AXDocPage resource

http://identifiers.emc.com/linkrel/current-version	Points to an AXDocPageVersion resource which is the current version of a doc-page
http://identifiers.emc.com/linkrel/report	Points to an AXReportDoc resource
http://identifiers.emc.com/linkrel/report-pages	Returns a collection of report-pages
http://identifiers.emc.com/linkrel/rendition	Points to rendered file resource
http://identifiers.emc.com/linkrel/thumbnail	Points to rendered thumbnail resource
http://identifiers.emc.com/linkrel/user-defined-list	Points to the UserDefinedList resource
http://identifiers.emc.com/linkrel/configuration	Points to the AX Configuration resource
http://identifiers.emc.com/linkrel/formoverlay	Points to the AX FormOverlay resource
http://identifiers.emc.com/linkrel/rubberstamp	Points to the AX RubberStamp resource
http://identifiers.emc.com/linkrel/export-job	Points to the AX Doc Export job resource
http://identifiers.emc.com/linkrel/export-result	Points to the AX Doc Export result resource
http://identifiers.emc.com/linkrel/retention-config	Points to the AX Retention Configuration resource
http://identifiers.emc.com/linkrel/retention-doc	Points to the AX Retention Doc resource
http://identifiers.emc.com/linkrel/doc-viewer	Points to the WebAccess document viewer link if in integrated REST service
http://identifiers.emc.com/linkrel/doc-print	Points to the AX pages bin files export result resource
http://identifiers.emc.com/linkrel/audit	Points to a collection of audit events
http://identifiers.emc.com/linkrel/business-process	Posting to this resource triggers document business process

http://identifiers.emc.com/linkrel/object-resource	Points to an AX object via a unique object reference id
--	---

Authentication

Currently AE REST Services support HTTP Basic Authentication, Windows Authentication, Single Sign on Authentication. AE REST Service has a pipeline to check the request authentication. By default, it first checks the HTTP Basic Authentication. Only when the HTTP Basic Authentication header is not provided, then the Windows Authentication token will be checked. And same for the single sign on mechanism.

HTTP Basic Authentication.

The client sends the request with the client credentials in the Authorization header. The credentials are formatted as the string "name:password" in base64-encoded. The credentials are not encrypted. It is forced to be used with SSL for backend server communication instead of internet facing facility due to the un-encrypted credentials sent over the wire.

Please note that except the Home Document and all the direct resources linked from Home Document resource do not require authentication, all of the other resources require authentication. Otherwise, the client will receive the HTTP response with the 401 – Unauthorized status.

Windows Authentication.

The client just needs to ensure their http client sends the Windows credential. For example, in .NET, you can set HttpClientHandler.UseDefaultCredentials to true.

Pagination

AE REST Services use ODATA (Open Data Protocol) to support pagination on large size collection resources, such as AXBatchPages, AXDocIndexes, AXSavedQueryResults, AXAdhocQueryResults, AXDocPages, AXReportDocPages, AXKeyRefIndexLookupResult, AXAutoIndexLookupResults, and AXSelectIndexLookupResults.

ODATA uses the following query parameter to support pagination.

Parameter	Description
\$top	The \$top parameter specifies the page size.

\$skip	The \$skip parameter specifies the offset number that decides the current page location.
\$inlinecount	When the \$inlinecount parameter is set to allpages, it returns the total count as a property of the collection resource.

For example, if the page size is 50, the following link points to the page 2 of the ReportDocPages resource:

`/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=50&$top=50&$inlinecount=allpages`

Integrated REST

AppXtender provides an integrated REST services in WebAccess. The client can consume REST services from a server where only the WebAccess is installed, but without the REST Services. In the integrated REST services, it requires the client first to get the AXDataSource resource, using the authorization header. We can consider it as a login operation. From then on, the client does not need the authorization header, and can access the integrated REST normally. The entry resource is located at “restapi/service” under the WebAccess application. Our AXRESTClient sample codes provide the API to access the integrated REST.

Login

The client sends the request to get the AXDataSource resource with the client credentials in the Authorization header. The credentials are formatted as the string “name:password” in base64-encoded.

Logoff

The client sends an HTTP GET request on the url
“/AppXtender/DataSources/{dsname}/Account/Logout” to log off the current session.

Full-text option

Both AE REST Services and Integrated REST in Web Access support a full-text option. If there is a “requestft=true” parameter or no parameter in the request URL, the full-text option is enabled and tries to grant a full-text license during the authentication process. For example:

`http://localhost/AppEnhancerReST/api/axdatasources/{dsn}?requestft=true`

or `http://localhost/AppEnhancerReST/api/axdatasources/{dsn}`

If there is a “requestft=false” parameter in the request URL instead, the full-text option is disabled and no full-text license is granted. For example:

`http://localhost/AppEnhancerReST/api/axdatasources/{dsn}?requestft=false`

Please note that except for the Home Document and all direct resources linked from the Home Document resource, all the other resources require authentication and will check the full-text option parameter.

Resources

Home Document

The Home Document resource is an entry point to the AE REST Services. It is available to any caller. It is retrieved by performing a HTTP GET on the resource URI. For example, if the AE REST services were installed into “https://localhost/AppEnhancerReST”, then performing a GET on the URI “http://localhost/AppEnhancerReST/api/service” would return the Home Document.

Resource URI

Variable	Description
URI	api/service

Link Relations in this Resource

Link Relations are used to access other resources linked to the home service.

Link Relation	Description
http://identifiers.emc.com/linkrel/datasources	Returns a collection of datasources
http://identifiers.emc.com/linkrel/permissions	Points to the AXPermissionDefinition resource
http://identifiers.emc.com/linkrel/attributes	Points to the AXAppAttributesDefinition resource

Operations

The Home Document resource supports the following HTTP methods:

Method	Description
GET	Retrieves the Home Document resource

Get the Home Document

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type
- Cache-Control

Supported Response Media Types

- application/json+home
- application/xml+home

Response Status

- 200 – OK
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/json+home

```
{
  "resources": {
    "http://identifiers.emc.com/linkrel/datasources": {
      "href": "http://localhost/AppXtenderReST/api/AXDataSources",
      "hints": {
        "allow": [
          "GET"
        ],
        "representations": [
          "application/vnd.emc.ax+json",
          "application/vnd.emc.ax+xml",
          "application/atom+xml"
        ]
      }
    }
  },
  "http://identifiers.emc.com/linkrel/permissions": {
    "href": "http://localhost/AppXtenderReST/api/AXPermissionDefinitions",
    "hints": {
      "allow": [
        "GET"
      ],
      "representations": [
        "application/vnd.emc.ax+json",
        "application/vnd.emc.ax+xml"
      ]
    }
  }
}
```

```

    },
    "http://identifiers.emc.com/linkrel/attributes": {
      "href": "http://localhost/AppXtenderReST/api/AXAppAttributesDefinitions",
      "hints": {
        "allow": [
          "GET"
        ],
        "representations": [
          "application/vnd.emc.ax+json",
          "application/vnd.emc.ax+xml"
        ]
      }
    }
  }
}
}
}
}

```

- **application/xml+home**

```

<?xml version="1.0"?>
<resources>
  <resource rel="http://identifiers.emc.com/linkrel/datasources">
    <link href="http://localhost/AppXtenderReST/api/AXDataSources" />
    <hints>
      <allow>
        <i>GET</i>
      </allow>
      <representations>
        <i>application/vnd.emc.ax+json</i>
        <i>application/vnd.emc.ax+xml</i>
        <i>application/atom+xml</i>
      </representations>
    </hints>
  </resource>
  <resource rel="http://identifiers.emc.com/linkrel/permissions">
    <link href="http://localhost/AppXtenderReST/api/AXPermissionDefinitions" />
    <hints>
      <allow>
        <i>GET</i>
      </allow>
      <representations>
        <i>application/vnd.emc.ax+json</i>
        <i>application/vnd.emc.ax+xml</i>
      </representations>
    </hints>
  </resource>
  <resource rel="http://identifiers.emc.com/linkrel/attributes">
    <link href="http://localhost/AppXtenderReST/api/AXAppAttributesDefinitions" />
    <hints>
      <allow>
        <i>GET</i>
      </allow>
      <representations>
        <i>application/vnd.emc.ax+json</i>
        <i>application/vnd.emc.ax+xml</i>
      </representations>
    </hints>
  </resource>

```

```
</resource>
</resources>
```

AXDataSources

The AXDataSources resource represents a collection of AX data sources that can be accessed from the Home Document resource.

Resource URI

Variable	Description
URI	api/axdatasources

Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX data source.

Link Relations in this Resources

NA

Operations

The AXDataSources resource supports the following HTTP methods:

Method	Description
GET	Retrieves the AXDataSources resource

Get the AXDataSources Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

Response Status

- 200 – OK
- 403 – Forbidden
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "@base": "http://localhost",
  "entries": [
    {
      "Name": "AppXtenderDemo",
      "Description": "DEMO Data Source",
      "IsDefault": true,
      "SecurityModel": 0,
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
        }
      ]
    },
    {
      "Name": "test",
      "SecurityModel": 0,
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/test"
        }
      ]
    },
    {
      "Name": "CernerIO",
      "SecurityModel": 0,
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/CernerIO"
        }
      ]
    }
  ]
}
```
- application/vnd.emc.ax+xml

```
<AXDataSources xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseurl="http://localhost"
xmlns="http://www.emc.com/ax">
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo">
    <Name>AppXtenderDemo</Name>
    <Description>DEMO Data Source</Description>
```

```

    <IsDefault>true</IsDefault>
    <ID xsi:nil="true" />
    <SecurityModel>CM</SecurityModel>
  </entries>
  <entries href="/AppXtenderReST/api/AXDataSources/test">
    <Name>test</Name>
    <IsDefault>false</IsDefault>
    <ID xsi:nil="true" />
    <SecurityModel>CM</SecurityModel>
  </entries>
  <entries href="/AppXtenderReST/api/AXDataSources/CernerIO">
    <Name>CernerIO</Name>
    <IsDefault>false</IsDefault>
    <ID xsi:nil="true" />
    <SecurityModel>CM</SecurityModel>
  </entries>
  <count xsi:nil="true" />
</AXDataSources>

```

AXDataSource

The AXDataSource resource represents the current logged in AX data source that can be accessed from the AXDataSources resource's entries.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}
{dsn}	The data source name

Resource Properties

Properties	Description
Name	Data source name
Description	Data source description
IsDefault	True if the data source is the default
ID	Data source ID
DBVersion	Data source db version
SecurityModel	Data source authentication type. (0: CM, 1: Windows)

Link Relations in this Resource

The following link relations are used to access other resources linked to AXDataSource.

Link Relation	Description
self	Points to the AXDataSource itself

http://identifiers.emc.com/linkrel/current-user	Returns a collection of applications
http://identifiers.emc.com/linkrel/applications	Provides the link to access the AXApps resource
http://identifiers.emc.com/linkrel/datatypes	Returns a collection of datatypes
http://identifiers.emc.com/linkrel/queries	Returns a collection of queries
http://identifiers.emc.com/linkrel/formoverlay	Returns the formoverlays of this data source
http://identifiers.emc.com/linkrel/odma-query-definition	Returns the ODMA query fields definition
http://identifiers.emc.com/linkrel/configuration	Returns the AX Configuration resource

Operations

The AXDataSource resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXDataSource resource

Get the AXDataSource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "Name": "AppXtenderDemo",
  "Description": "DEMO Data Source",
  "IsDefault": true,
  "ID": "5d4fafa7-7a81-46fa-8d9b-94c566fb9793",
  "DBVersion": "8.02.000",
  "SecurityModel": 0,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/current-user",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/formoverlay",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFormOverlay"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/applications",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/data-types",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/queries",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/odma-query-definition",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/configuration",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXConfigurations"
    }
  ]
}
```

- application/vnd.emc.ax+xml

```
<AXDataSource xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" baseUrl="http://localhost"
xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/current-user"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser" />
  <link rel="http://identifiers.emc.com/linkrel/formoverlay"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFormOverlay" />
  <link rel="http://identifiers.emc.com/linkrel/applications"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps" />
  <link rel="http://identifiers.emc.com/linkrel/data-types"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes" />
  <link rel="http://identifiers.emc.com/linkrel/queries"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries" />
  <link rel="http://identifiers.emc.com/linkrel/odma-query-definition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields" />
  <link rel="http://identifiers.emc.com/linkrel/configuration"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXConfigurations" />
  <Name>AppXtenderDemo</Name>
  <Description>DEMO Data Source</Description>
  <IsDefault>true</IsDefault>
  <ID>5d4fafa7-7a81-46fa-8d9b-94c566fb9793</ID>
  <DBVersion>8.02.000</DBVersion>
  <SecurityModel>CM</SecurityModel>
</AXDataSource>
```

AXDataTypes

The AXDataTypes resource represents a list of AX Data Type which can be accessed from the AXDataSource resource.

Resource URI

Variable	Description
URI	api/AXDataSources/{dsn}/AXDataTypes
{dsn}	The data source name

Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX data type.

Link Relations in this Resources

NA

Operations

The AXDataTypes resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXDataTypes resource

Get the AXDataTypes Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "@base": "http://localhost",
  "entries": [
    {
      "Name": "Text",
      "ID": 0,
      "IsCustom": false,
      "PrimitiveType": 6,
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
        }
      ]
    }
  ],
  {
    "Name": "Integer",
    "ID": 1,
```

```

    "IsCustom": false,
    "PrimitiveType": 2,
    "links": [
      {
        "rel": "self",
        "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/1"
      },
      {
        "rel": "http://identifiers.emc.com/linkrel/data-formats",
        "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1"
      }
    ]
  }
]
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXDataTypeCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseurl="http://localhost"
xmlns="http://www.emc.com/ax">
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0">
    <Name>Text</Name>
    <ID>0</ID>
    <IsCustom>>false</IsCustom>
    <PrimitiveType>String</PrimitiveType>
  </entries>
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/1">
    <link rel="http://identifiers.emc.com/linkrel/data-formats"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1" />
    <Name>Integer</Name>
    <ID>1</ID>
    <IsCustom>>false</IsCustom>
    <PrimitiveType>Integer</PrimitiveType>
  </entries>
  <count xsi:nil="true" />
</AXDataTypeCollection>

```

AXDataType

The AXDataType resource represents an AX data type which can be accessed from the AXDataTypes resource's entries.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axdatatypes/{datatypeid}
{dsn}	The data source name
{datatypeid}	The data type ID number

Resource Properties

Properties	Description
------------	-------------

Name	Data Type name
ID	Data Type ID
IsCustom	True if it is a custom data type
PrimitiveType	The primitive type of the data type

Link Relations in this Resource

The following link relations are used to access the other resources linked to AXDataType:

Link Relation	Description
self	Points to AXDataType resource itself
http://identifiers.emc.com/linkrel/datasource	Points to an AXDataSource resource
http://identifiers.emc.com/linkrel/data-formats	Returns a collection of dataformats

Operations

The AXDataType resource supports the following HTTP methods:

Method	Description
GET	Retrieves the AXDataType resource

Get the AXDataType

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json

- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json


```
{
  "Name": "Integer",
  "ID": 1,
  "IsCustom": false,
  "PrimitiveType": 2,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/1"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/datasource",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/data-formats",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1"
    }
  ]
}
```
- application/vnd.emc.ax+xml


```
<AXDataType xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/1" baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/datasource"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" />
  <link rel="http://identifiers.emc.com/linkrel/data-formats"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1" />
  <Name>Integer</Name>
  <ID>1</ID>
  <IsCustom>>false</IsCustom>
  <PrimitiveType>Integer</PrimitiveType>
</AXDataType>
```

AXDataFormats

The AXDataFormats resource represents a list of AX Data Format which can be accessed from the AXDataType resource.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axdataformats/{datatypeid}
{dsn}	The data source name
{datatypeid}	The data type ID number

Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX data format.

Link Relations in this Resources

NA

Operations

The AXDataFormats resource supports the following HTTP methods:

Method	Description
GET	Retrieves the AXDataFormats resource

Get the AXDataFormats Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

Response Status

- 200 – OK

- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json


```
{
  "@base": "http://localhost",
  "entries": [
    {
      "Name": "nnnn",
      "ID": 1,
      "IsCustom": false,
      "FormatWidth": 0,
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1/1"
        },
        {
          "rel": "http://identifiers.emc.com/linkrel/data-type",
          "href": "/AppXtenderReST/api/AXDataSources/AXDataTypes/AppXtenderDemo/1"
        }
      ]
    },
    {
      "Name": "n,nnn",
      "ID": 2,
      "IsCustom": false,
      "FormatWidth": 0,
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1/2"
        },
        {
          "rel": "http://identifiers.emc.com/linkrel/data-type",
          "href": "/AppXtenderReST/api/AXDataSources/AXDataTypes/AppXtenderDemo/1"
        }
      ]
    }
  ]
}
```
- application/vnd.emc.ax+xml


```
<AXDataFormatCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseurl="http://localhost"
  xmlns="http://www.emc.com/ax">
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1/1">
    <link rel="http://identifiers.emc.com/linkrel/data-type"
  href="/AppXtenderReST/api/AXDataSources/AXDataTypes/AppXtenderDemo/1" />
    <Name>nnnn</Name>
    <ID>1</ID>
```

```

    <IsCustom>>false</IsCustom>
    <FormatWidth>0</FormatWidth>
  </entries>
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1/2">
    <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AXDataTypes/AppXtenderDemo/1" />
    <Name>n,nnn</Name>
    <ID>2</ID>
    <IsCustom>>false</IsCustom>
    <FormatWidth>0</FormatWidth>
  </entries>
  <count xsi:nil="true" />
</AXDataFormatCollection>

```

AXDataFormat

The AXDataFormat resource represents an AX data format resource that can be accessed from the AXDataFormats resource's entries.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axdataformats/{datatypeid}/{dataformatid}
{dsn}	The data source name
{datatypeid}	The data type ID number
{dataformatid}	The data format ID number

Resource Properties

Properties	Description
Name	Data format name
ID	Data format ID
IsCustom	True if the data format is custom
FormatWidth	Data format width

Link Relations in this Resource

The following link relations are used to access the other resources linked to AXDataFormat:

Link Relations	Description
self	Points to the AXDataFormat resource itself
http://identifiers.emc.com/linkrel/datasource	Points to an AXDataSource resource

http://identifiers.emc.com/linkrel/data-type	Points to an AXDataType resource
---	----------------------------------

Operations

The AXDataType resource supports the following HTTP methods:

Method	Description
GET	Retrieves the AXDataFormat resource

Get the AXDataFormat resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "Name": "(nnnn)",
  "ID": 3,
  "IsCustom": false,
  "FormatWidth": 0,
  "@base": "http://localhost",
  "links": [
```

```

{
  "rel": "self",
  "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1/3"
},
{
  "rel": "http://identifiers.emc.com/linkrel/datasource",
  "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
},
{
  "rel": "http://identifiers.emc.com/linkrel/data-type",
  "href": "/AppXtenderReST/api/AXDataSources/AXDataTypes/AppXtenderDemo/1"
}
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXDataFormat xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/1/3" baseurl="http://localhost"
xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/datasource"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" />
  <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AXDataTypes/AppXtenderDemo/1" />
  <Name>(nnnn)</Name>
  <ID>3</ID>
  <IsCustom>>false</IsCustom>
  <FormatWidth>0</FormatWidth>
</AXDataFormat>

```

AXUser

The AXUser resource represents an AX user which can be accessed from the AXDataSource resource, AXBatch resource or AXQuery resource.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axuser
URI	api/axdatasources/{dsn}/axuser/{userid}
{dsn}	The data source name
{userid}	The user ID

Resource Properties

Properties	Description
Name	AX User name
FullName	AX User full name
ID	AX User ID

Permissions	AX User permissions
-------------	---------------------

Link Relations in this Resource

The following link relations are used to access the other resources linked to AXUser:

Link Relation	Description
self	Points to the AXUser resource itself
http://identifiers.emc.com/linkrel/datasource	Points to an AXDataSource resource

Operations

The AXUser resource supports the following HTTP methods:

Method	Description
GET	Retrieves the AXUser resource

Get the AXUser

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type

- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json
{
 "Name": "SYSOP",
 "FullName": "",
 "ID": 1,
 "Permissions": {
 "ScanOnLine": true,
 "BatchScan": true,
 "BatchIndex": true,
 "ModifyIndex": true,
 "AddObject": true,
 "AddPage": true,
 >DeleteDoc": true,
 >DeletePage": true,
 >DeleteObject": true,
 >CreateApp": true,
 "ModifyApp": true,
 >DeleteApp": true,
 >UserSecurityAdmin": true,
 "DocLevelSecAdmin": true,
 "AutoIndexFileMaint": true,
 "KeyRefFileMaint": true,
 "COLDImportMaint": true,
 "COLDImport": true,
 "View": true,
 "FaxIn": true,
 "FaxOut": true,
 "Print": true,
 "AutoIndexImport": true,
 "RefFileImport": true,
 "MigrateApp": true,
 "ImageUtilities": true,
 "IndexImageImport": true,
 "AEAdmin": true,
 "Config": true,
 >EditRedactions": true,
 >EditAnnotations": true,
 "MultiLogins": true,
 "FullTextIndex": true,
 "FullTextQuery": true,
 "OCR": true,
 "ScanFix": true,
 "BatchExtract": true,
 "GlobalAnnot": true,
 "CXReports": true,
 >CreateAnnotations": true,
 >CreateRedactions": true,
 "RetentionUser": true,
 "RetentionAdmin": true,
 "SubmitWorkflow": true,
 "RecycleBinDelete": true

```

},
"@base": "http://localhost",
"links": [
  {
    "rel": "self",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/datasource",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
  }
]
}
}

```

- application/vnd.emc.ax+xml

```

<AXUser xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" baseurl="http://localhost"
xmlns="http://www.emc.com/ax">

```

```

  <link rel="http://identifiers.emc.com/linkrel/datasource"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" />

```

```

  <Name>SYSOP</Name>

```

```

  <FullName />

```

```

  <ID>1</ID>

```

```

  <Permissions>

```

```

    <ScanOnLine>true</ScanOnLine>

```

```

    <BatchScan>true</BatchScan>

```

```

    <BatchIndex>true</BatchIndex>

```

```

    <ModifyIndex>true</ModifyIndex>

```

```

    <AddObject>true</AddObject>

```

```

    <AddPage>true</AddPage>

```

```

    <DeleteDoc>true</DeleteDoc>

```

```

    <DeletePage>true</DeletePage>

```

```

    <DeleteObject>true</DeleteObject>

```

```

    <CreateApp>true</CreateApp>

```

```

    <ModifyApp>true</ModifyApp>

```

```

    <DeleteApp>true</DeleteApp>

```

```

    <UserSecurityAdmin>true</UserSecurityAdmin>

```

```

    <DocLevelSecAdmin>true</DocLevelSecAdmin>

```

```

    <AutoIndexFileMaint>true</AutoIndexFileMaint>

```

```

    <KeyRefFileMaint>true</KeyRefFileMaint>

```

```

    <COLDImportMaint>true</COLDImportMaint>

```

```

    <COLDImport>true</COLDImport>

```

```

    <View>true</View>

```

```

    <FaxIn>true</FaxIn>

```

```

    <FaxOut>true</FaxOut>

```

```

    <Print>true</Print>

```

```

    <AutoIndexImport>true</AutoIndexImport>

```

```

    <RefFileImport>true</RefFileImport>

```

```

    <MigrateApp>true</MigrateApp>

```

```

    <ImageUtilities>true</ImageUtilities>

```

```

    <IndexImageImport>true</IndexImageImport>

```

```

    <AEAdmin>true</AEAdmin>

```

```

    <Config>true</Config>

```

```

    <EditRedactions>true</EditRedactions>

```

```

    <EditAnnotations>true</EditAnnotations>

```

```

    <MultiLogins>true</MultiLogins>
    <FullTextIndex>true</FullTextIndex>
    <FullTextQuery>true</FullTextQuery>
    <OCR>true</OCR>
    <ScanFix>true</ScanFix>
    <BatchExtract>true</BatchExtract>
    <GlobalAnnot>true</GlobalAnnot>
    <CXReports>true</CXReports>
    <CreateAnnotations>true</CreateAnnotations>
    <CreateRedactions>true</CreateRedactions>
    <RetentionUser>true</RetentionUser>
    <RetentionAdmin>true</RetentionAdmin>
    <SubmitWorkflow>true</SubmitWorkflow>
    <RecycleBinDelete>true</RecycleBinDelete>
  </Permissions>
</AXUser>

```

AXApps

The AXApps resource represents a collect of AX application which can be accessed from the AXDataSource resource.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps
{dsn}	The data source name

Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX application.

Link Relations in this Resources

NA

Operations

The AXApps resource supports the following HTTP methods:

Method	Description
GET	Retrieves the AXApps resource

Get the AXApps Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "@base": "http://localhost",
  "entries": [
    {
      "Name": "_FORMS",
      "Description": "FORMS OVERLAY APPLICATION",
      "ID": 172,
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/172"
        }
      ]
    },
    {
      "Name": "TCCU",
      "Description": "THE CONTENT CREDIT UNION",
      "ID": 37,
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/37"
        }
      ]
    }
  ]
}
```
- application/vnd.emc.ax+xml

```

<AXApps xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/172">
    <Name>_FORMS</Name>
    <Description>FORMS OVERLAY APPLICATION</Description>
    <ID>172</ID>
  </entries>
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/37">
    <Name>TCCU</Name>
    <Description>THE CONTENT CREDIT UNION</Description>
    <ID>37</ID>
  </entries>
  <count xsi:nil="true" />
</AXApps>

```

AXApp

The AXApp resource represents an AX application resource which can be accessed from the AXApps resource's entries.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}
{dsn}	The data source name
{appid}	The application ID number

Resource Properties

Properties	Description
Name	AX application name
Description	AX application description
ID	AX application ID
Attributes	AX application attributes
Permissions	AX application permissions

Link Relations in this Resource

The following link relations are used to access the other resources linked to AXApp:

Link Relations	Description
self	Points to the AXApp resource itself
http://identifiers.emc.com/linkrel/datasource	Points to an AXDataSource resource

http://identifiers.emc.com/linkrel/fields	Points to an AXApplication resource
http://identifiers.emc.com/linkrel/batches	Points to a collection of batches
http://identifiers.emc.com/linkrel/rubberstamp	Points to an AXRubberstamp resource
http://identifiers.emc.com/linkrel/adhoc-query-result	Points to the AXQueryResultCollection resource
http://identifiers.emc.com/linkrel/doc	Used to create a new document resource under this application
http://identifiers.emc.com/linkrel/key-reference-index	Points to the AXKeyRefIndexLookup resource
http://identifiers.emc.com/linkrel/auto-index	Points to the AXAutoIndexLookup resource
http://identifiers.emc.com/linkrel/select-index	Points to the AXSelectIndexLookup resource
http://identifiers.emc.com/linkrel/queries	Points to the AXQueries resource for this app

Operations

The AXApp resource supports the following HTTP methods:

Method	Description
GET	Retrieves the AXApp resource

Get the AXApp Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length

- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "Name": "STUDENT_RECORDS",
  "Description": "STUDENT RECORDS (AUTO & KEY REF INDEX)",
  "ID": 11,
  "Attributes": {
    "AutoIndex": true,
    "DocLevelSecurity": true,
    "KeyReference": true,
    "Fulltext": true,
    "RecycleBinEnabled": true
  },
  "Permissions": {
    "ScanOnLine": true,
    "BatchScan": true,
    "BatchIndex": true,
    "ModifyIndex": true,
    "AddObject": true,
    "AddPage": true,
    "DeleteDoc": true,
    "DeletePage": true,
    "DeleteObject": true,
    "CreateApp": true,
    "ModifyApp": true,
    "DeleteApp": true,
    "UserSecurityAdmin": true,
    "DocLevelSecAdmin": true,
    "AutoIndexFileMaint": true,
    "KeyRefFileMaint": true,
    "COLDImportMaint": true,
    "COLDImport": true,
    "View": true,
    "FaxIn": true,
    "FaxOut": true,
    "Print": true,
    "AutoIndexImport": true,
    "RefFileImport": true,
    "MigrateApp": true,
```

```
"ImageUtilities": true,
"IndexImageImport": true,
"AEAdmin": true,
"Config": true,
"EditRedactions": true,
"EditAnnotations": true,
"MultiLogins": true,
"FullTextIndex": true,
"FullTextQuery": true,
"OCR": true,
"ScanFix": true,
"BatchExtract": true,
"GlobalAnnot": true,
"CXReports": true,
"CreateAnnotations": true,
"CreateRedactions": true,
"SubmitWorkflow": true,
"RecycleBinDelete": true
},
"@base": "http://localhost",
"links": [
  {
    "rel": "self",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/datasources",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/fields",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAppFields/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/batches",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/rubberstamp",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXRubberStamp/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/adhoc-query-result",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAdhocQueryResults/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/queries",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries?appid=11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/doc",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11"
  },
  {
```

```

    "rel": "http://identifiers.emc.com/linkrel/key-reference-index",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAppKeyRefLookup/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/auto-index",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAppAutoIndexLookup/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/select-index",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAppSelectIndexLookup/11"
  }
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXApp xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" baseUrl="http://localhost"
xmlns="http://www.emc.com/ax">

```

```

  <link rel="http://identifiers.emc.com/linkrel/datasources"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" />
  <link rel="http://identifiers.emc.com/linkrel/fields"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAppFields/11" />
  <link rel="http://identifiers.emc.com/linkrel/batches"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11" />
  <link rel="http://identifiers.emc.com/linkrel/rubberstamp"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXRubberStamp/11" />
  <link rel="http://identifiers.emc.com/linkrel/adhoc-query-result"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAdhocQueryResults/11" />
  <link rel="http://identifiers.emc.com/linkrel/queries"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries?appid=11" />
  <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11" />
  <link rel="http://identifiers.emc.com/linkrel/key-reference-index"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAppKeyRefLookup/11" />
  <link rel="http://identifiers.emc.com/linkrel/auto-index"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAppAutoIndexLookup/11" />
  <link rel="http://identifiers.emc.com/linkrel/select-index"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXAppSelectIndexLookup/11" />
  <Name>STUDENT_RECORDS</Name>
  <Description>STUDENT RECORDS (AUTO & KEY REF INDEX)</Description>
  <ID>11</ID>
  <Attributes>
    <AutoIndex>true</AutoIndex>
    <DocLevelSecurity>true</DocLevelSecurity>
    <KeyReference>true</KeyReference>
    <Fulltext>true</Fulltext>
  </Attributes>
  <Permissions>
    <ScanOnLine>true</ScanOnLine>
    <BatchScan>true</BatchScan>
    <BatchIndex>true</BatchIndex>
    <ModifyIndex>true</ModifyIndex>
    <AddObject>true</AddObject>
    <AddPage>true</AddPage>
    <DeleteDoc>true</DeleteDoc>

```

```

<DeletePage>true</DeletePage>
<DeleteObject>true</DeleteObject>
<CreateApp>true</CreateApp>
<ModifyApp>true</ModifyApp>
<DeleteApp>true</DeleteApp>
<UserSecurityAdmin>true</UserSecurityAdmin>
<DocLevelSecAdmin>true</DocLevelSecAdmin>
<AutoIndexFileMaint>true</AutoIndexFileMaint>
<KeyRefFileMaint>true</KeyRefFileMaint>
<COLImportMaint>true</COLImportMaint>
<COLImport>true</COLImport>
<View>true</View>
<FaxIn>true</FaxIn>
<FaxOut>true</FaxOut>
<Print>true</Print>
<AutoIndexImport>true</AutoIndexImport>
<RefFileImport>true</RefFileImport>
<MigrateApp>true</MigrateApp>
<ImageUtilities>true</ImageUtilities>
<IndexImageImport>true</IndexImageImport>
<AEAdmin>true</AEAdmin>
<Config>true</Config>
<EditRedactions>true</EditRedactions>
<EditAnnotations>true</EditAnnotations>
<MultiLogins>true</MultiLogins>
<FullTextIndex>true</FullTextIndex>
<FullTextQuery>true</FullTextQuery>
<OCR>true</OCR>
<ScanFix>true</ScanFix>
<BatchExtract>true</BatchExtract>
<GlobalAnnot>true</GlobalAnnot>
<CXReports>true</CXReports>
<CreateAnnotations>true</CreateAnnotations>
<CreateRedactions>true</CreateRedactions>
<SubmitWorkflow>true</SubmitWorkflow>
<RecycleBinDelete>true</RecycleBinDelete>
</Permissions>
</AXApp>

```

AXAppFields

The AXAppFields resource represents a list of AX Application Fields that can be accessed from the AXApp resource.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axappfields/{appid}
{dsn}	The data source name
{appid}	The application ID number

Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX application field.

Link Relations in this Resources

NA

Operations

The AXAppFields resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXAppFields resource

Get the AXAppFields Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json
{
 "@base": "http://localhost",

```

"entries": [
  {
    "Name": "STUDENT ID",
    "ID": "field1",
    "EditMask": "",
    "ValidationRegex": "^.{1,9}$",
    "QueryValidationRegex": "^.{1,9}$",
    "FieldLength": 9,
    "Attributes": {
      "Searchable": true,
      "AutoIndex": true,
      "Required": true,
      "ReferenceKey": true
    },
    "links": [
      {
        "rel": "self",
        "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXAppFields/field1"
      },
      {
        "rel": "http://identifiers.emc.com/linkrel/application",
        "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
      },
      {
        "rel": "http://identifiers.emc.com/linkrel/data-type",
        "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
      }
    ]
  },
  {
    "Name": "LAST NAME",
    "ID": "field2",
    "EditMask": "",
    "ValidationRegex": "^.{1,50}$",
    "QueryValidationRegex": "^.{1,50}$",
    "FieldLength": 50,
    "Attributes": {
      "Searchable": true,
      "AutoIndex": true,
      "Required": true,
      "ReferenceData": true
    },
    "links": [
      {
        "rel": "self",
        "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXAppFields/field2"
      },
      {
        "rel": "http://identifiers.emc.com/linkrel/application",
        "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
      },
      {
        "rel": "http://identifiers.emc.com/linkrel/data-type",
        "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
      }
    ]
  }
]

```

```

    }
  ]
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXAppFields xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXAppFields/field1">
    <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
    <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0" />
    <Name>STUDENT ID</Name>
    <ID>field1</ID>
    <EditMask />
    <FieldLength>9</FieldLength>
    <Attributes>
      <Searchable>true</Searchable>
      <AutoIndex>true</AutoIndex>
      <Required>true</Required>
      <ReferenceKey>true</ReferenceKey>
    </Attributes>
  </entries>
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXAppFields/field2">
    <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
    <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0" />
    <Name>LAST NAME</Name>
    <ID>field2</ID>
    <EditMask />
    <FieldLength>50</FieldLength>
    <Attributes>
      <Searchable>true</Searchable>
      <AutoIndex>true</AutoIndex>
      <Required>true</Required>
      <ReferenceData>true</ReferenceData>
    </Attributes>
  </entries>
  <count xsi:nil="true" />
</AXAppFields>

```

AXAppField

The AXAppField resource represents an AX Application field that can be accessed from the AXAppFields resource's entries.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axappfields/{appid}/{appfieldid}
{dsn}	The data source name

{appid}	The application ID number
{appfieldid}	The application field ID (eg, field1)

Resource Properties

Properties	Description
Name	Field name
ID	Field ID
EditMask	Field edit mask
ValidationRegex	Validation regex for index field
QueryValidationRegex	Validation regex for query field
FieldLength	Field length
Attributes	Field attributes

Link Relations in this Resource

The following link relations are used to access the other resources linked to AXAppField.

Link Relations	Description
self	Points to the AXAppField resource itself.
http://identifiers.emc.com/linkrel/application	Points to an AXApplication resource.
http://identifiers.emc.com/linkrel/data-type	Points to an AXDataType resource.
http://identifiers.emc.com/linkrel/data-format	Points to an AXDataFormat resource.
http://identifiers.emc.com/linkrel/user-defined-list	Points to an AXUserDefinedList resource

Operations

The AXAppField resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXAppField resource

Get the AXAppField Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "Name": "DOCUMENT TYPE",
  "ID": "field6",
  "EditMask": "????????????????????",
  "ValidationRegex": "^\\s*$|^APPLICATION$|^CHECKLIST$|^COLLEGE TRANSCRIPT$|^ESSAY /
AUDITION$|^FINANCIAL AID FORM$|^HS TRANSCRIPT$|^IMMIGRATION DOCS$|^LETTER OF
ACCEPTANCE$|^RECOMMENDATION LETTER$|^STUDENT ID CARD$|^STUDENT RECORD$|^TEST
SCORES$|^TRANSCRIPT$|^WORK STUDY CONTRACT$|^WORK STUDY TIMESHEETS$",
  "QueryValidationRegex": "^\\s*$|^APPLICATION$|^CHECKLIST$|^COLLEGE TRANSCRIPT$|^ESSAY /
AUDITION$|^FINANCIAL AID FORM$|^HS TRANSCRIPT$|^IMMIGRATION DOCS$|^LETTER OF
ACCEPTANCE$|^RECOMMENDATION LETTER$|^STUDENT ID CARD$|^STUDENT RECORD$|^TEST
SCORES$|^TRANSCRIPT$|^WORK STUDY CONTRACT$|^WORK STUDY TIMESHEETS$",
  "FieldLength": 21,
  "Attributes": {
    "Searchable": true,
    "DLSEnabled": true
  },
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXAppFields/field6"
```

```

    },
    {
      "rel": "http://identifiers.emc.com/linkrel/application",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/data-type",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/11"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/user-defined-list",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field6"
    }
  ]
}

```

- application/vnd.emc.ax+xml

```

<AXAppField xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXAppFields/field6"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
  <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/11" />
  <link rel="http://identifiers.emc.com/linkrel/user-defined-list"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field6" />
  <Name>DOCUMENT TYPE</Name>
  <ID>field6</ID>
  <EditMask>????????????????????</EditMask>
  <FieldLength>21</FieldLength>
  <Attributes>
    <Searchable>true</Searchable>
    <DLSEnabled>true</DLSEnabled>
  </Attributes>
</AXAppField>

```

AXUserDefinedList

The AXUserDefinedList resource represents an AX user-defined list that can be accessed from the AXAppField resource.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axuserdefinedlist/{appid}/{appfieldid}
{dsn}	The data source name
{appid}	The application ID number
{appfieldid}	The application field ID (eg, field1)

Resource Properties

Properties	Description
------------	-------------

Entries	Each entry represents an UDL item
/ItemID	UDL item ID
/ItemValue	UDL item value

Link Relations in this Resource

The following link relations are used to access the other resources linked to AXUserDefinedList.

Link Relations	Description
self	Points to the AXUserDefinedList resource itself.
first	Points to the first page.
next	Points to the next page.
prev	Points to the previous page.
last	Points to the last page.

Operations

The AXUserDefinedList resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXUserDefinedList resource

Get the AXUserDefinedList Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length

- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "id": "18b2dbb3-5610-4ea8-a467-040fb984f499",
  "updated": "2016-05-16T08:10:19.8115235Z",
  "entries": [
    {
      "ItemID": 1,
      "ItemValue": "200401",
      "links": []
    },
    {
      "ItemID": 2,
      "ItemValue": "200402",
      "links": []
    },
    {
      "ItemID": 3,
      "ItemValue": "200403",
      "links": []
    },
    {
      "ItemID": 4,
      "ItemValue": "200404",
      "links": []
    },
    {
      "ItemID": 5,
      "ItemValue": "200501",
      "links": []
    },
    {
      "ItemID": 6,
      "ItemValue": "200502",
      "links": []
    },
    {
      "ItemID": 7,
      "ItemValue": "200503",
```

```

    "links": []
  },
  {
    "ItemID": 8,
    "ItemValue": "200504",
    "links": []
  },
  {
    "ItemID": 9,
    "ItemValue": "200601",
    "links": []
  },
  {
    "ItemID": 10,
    "ItemValue": "200602",
    "links": []
  }
],
"@base": "http://localhost",
"links": [
  {
    "rel": "self",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=0&$top=10"
  },
  {
    "rel": "last",
    "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=10&$top=10"
  },
  {
    "rel": "next",
    "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=10&$top=10"
  }
]
}

```

- application/vnd.emc.ax+xml

```

<AXUserDefinedList xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=0&$top=10"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="last"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=10&$top=10"
 />
  <link rel="next"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=10&$top=10"
 />
  <Id>2c8577ae-ffa1-488f-bcd6-13e128891d91</Id>
  <LastUpdated>2016-05-16T08:11:05.4628907Z</LastUpdated>
  <Entries>
    <AXUserDefinedListItem>
      <ItemID>1</ItemID>
      <ItemValue>200401</ItemValue>
    </AXUserDefinedListItem>

```

```

<AXUserDefinedListItem>
  <ItemID>2</ItemID>
  <ItemValue>200402</ItemValue>
</AXUserDefinedListItem>
<AXUserDefinedListItem>
  <ItemID>3</ItemID>
  <ItemValue>200403</ItemValue>
</AXUserDefinedListItem>
<AXUserDefinedListItem>
  <ItemID>4</ItemID>
  <ItemValue>200404</ItemValue>
</AXUserDefinedListItem>
<AXUserDefinedListItem>
  <ItemID>5</ItemID>
  <ItemValue>200501</ItemValue>
</AXUserDefinedListItem>
<AXUserDefinedListItem>
  <ItemID>6</ItemID>
  <ItemValue>200502</ItemValue>
</AXUserDefinedListItem>
<AXUserDefinedListItem>
  <ItemID>7</ItemID>
  <ItemValue>200503</ItemValue>
</AXUserDefinedListItem>
<AXUserDefinedListItem>
  <ItemID>8</ItemID>
  <ItemValue>200504</ItemValue>
</AXUserDefinedListItem>
<AXUserDefinedListItem>
  <ItemID>9</ItemID>
  <ItemValue>200601</ItemValue>
</AXUserDefinedListItem>
<AXUserDefinedListItem>
  <ItemID>10</ItemID>
  <ItemValue>200602</ItemValue>
</AXUserDefinedListItem>
</Entries>
<Count xsi:nil="true" />
<Next rel="next"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=10&$top=10" />
<Last rel="last"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=10&$top=10" />
</AXUserDefinedList>

```

AXRetentionConfig

The AXRetentionConfig resource represents an AX Application's retention policy configuration that can be accessed from the AXApp resource.

Resource URI

Variable	Description
----------	-------------

URI	api/axdatasources/{dsn}/axretentionconfig/{appid}
{dsn}	The data source name
{appid}	The application ID number

Resource Properties

Properties	Description
DefaultPolicyID	The default policy ID of the current application.
RetentionPolicies	The list of retention policies under the current application
/Name	RetentionPolicy's name
/ID	RetentionPolicy's ID
/IsHardwareClass	Whether or not this policy represents a hardware retention class

Link Relations in this Resources

NA

Operations

The AXRetentionConfig resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXApp's retention configuration resource

Get the AXRetentionConfig Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

- application/atom+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json


```
{
  "RetentionPolicies": [
    {
      "Name": "permanent",
      "ID": "135FED7A3B5FE6FA99E8129CB2CC60BF234881E8",
      "IsHardwareClass": false
    }
  ],
  "DefaultPolicyID": "135FED7A3B5FE6FA99E8129CB2CC60BF234881E8",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXRetentionConfig/178"
    }
  ]
}
```
- application/vnd.emc.ax+xml

AXBatches

The AXBatches resource represents a collection of AX Batch Document that can be accessed from the AXApp resource.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axbatches/{appid}
{dsn}	The data source name
{appid}	The application ID number

Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX batch document.

Link Relations in this Resources

NA

Operations

The AXBatches resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXBatches resource
POST	Create a new AX Batch document
POST	Create an AX Batch by moving pages from the existed batch
POST	Create an AX Batch by moving pages from the existed document

Get the AXBatches Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "@base": "http://localhost",
  "entries": [
    {
      "ID": 3,
```

```
"Name": "newname",
>Description": "this is a test batch",
>State": 0,
>CreationTime": "2016-05-03T07:56:23Z",
>PageCount": 3,
>Private": false,
>@base": "http://localhost",
>links": [
>  {
>    "rel": "self",
>    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/3"
>  },
>  {
>    "rel": "http://identifiers.emc.com/linkrel/application",
>    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
>  },
>  {
>    "rel": "http://identifiers.emc.com/linkrel/doc",
>    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11"
>  },
>  {
>    "rel": "http://identifiers.emc.com/linkrel/batch-pages",
>    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/3"
>  },
>  {
>    "rel": "http://identifiers.emc.com/linkrel/thumbnail",
>    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/3"
>  },
>  {
>    "rel": "http://identifiers.emc.com/linkrel/creator",
>    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
>  }
>]
},
{
>ID": 5,
>Name": "test",
>Description": "test batch",
>State": 0,
>CreationTime": "2016-05-10T07:21:30Z",
>PageCount": 4,
>Private": false,
>@base": "http://localhost",
>links": [
>  {
>    "rel": "self",
>    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/5"
>  },
>  {
>    "rel": "http://identifiers.emc.com/linkrel/application",
>    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
>  },
>  {
>    "rel": "http://identifiers.emc.com/linkrel/doc",
```

```

    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/batch-pages",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/5"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/thumbnail",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/5"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/creator",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
  }
]
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXBatchCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseurl="http://localhost"
xmlns="http://www.emc.com/ax">
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/3"
baseurl="http://localhost">
    <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
    <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11" />
    <link rel="http://identifiers.emc.com/linkrel/batch-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/3" />
    <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/3" />
    <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />
    <ID>3</ID>
    <Name>newname</Name>
    <Description>this is a test batch</Description>
    <State>Idle</State>
    <CreationTime>2016-05-03T07:56:23Z</CreationTime>
    <PageCount>3</PageCount>
    <Private>false</Private>
  </entries>
  <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/5"
baseurl="http://localhost">
    <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
    <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11" />
    <link rel="http://identifiers.emc.com/linkrel/batch-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/5" />
    <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/5" />
    <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />

```

```

<ID>5</ID>
<Name>test</Name>
<Description>test batch</Description>
<State>Idle</State>
<CreationTime>2016-05-10T07:21:30Z</CreationTime>
<PageCount>4</PageCount>
<Private>>false</Private>
</entries>
<count xsi:nil="true" />
</AXBatchCollection>

```

Create a new AX Batch Document or append pages to an existed batch

In the HTTP request header, client needs to specify content type to be multipart/form_data, as well as the multipart boundary (the boundary can be different). Then in the HTTP request body, client needs to include several parts, the part of meta data, as well as bin, annotation, text files. Please note the form name in each part's Content-Disposition header must be one of the following: data, bin, annotation, text. Data is for meta data in json format, and bin, annotation, text are for different types of bin files. Each annotation and text part are optional. Multiple pages can be arranged in order and submitted in one request.

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- POST

Query Parameters

Parameter	Description
ImportOption	Bin file import option: 0x01: Inspect PDF file for errors. 0x02: Decrypt password secured PDF if possible. 0x04: Save plain text as compressed text with optional form name. 0x08: Save plain text as uncompressed text.
COLDFormName	Optional form name.

Request Headers

- Accept
- Content-Type: multipart/form-data; boundary="85b890d4-4faf-4261-bcbb-187c4dddcbc6"

Request Body

- multipart/form-data
--85b890d4-4faf-4261-bcbb-187c4dddcbc6
Content-Type: application/vnd.emc.ax+json; charset=utf-8
Content-Disposition: form-data; name=data

```

{
  "Name": "batch name",
  "Description": "batch description",
  "Private": false
}

```

```
--85b890d4-4faf-4261-bcbb-187c4dddc6
Content-Type: application/bin
Content-Disposition: form-data; name=bin; filename="test.pdf"; filename*=utf-8"test.pdf
```

//bin file content

```
--85b890d4-4faf-4261-bcbb-187c4dddc6
Content-Type: application/bin
Content-Disposition: form-data; name=annotation; filename="0100002m.ano"; filename*=utf-8"0100002m.ano
```

//annotation file content

```
--85b890d4-4faf-4261-bcbb-187c4dddc6
Content-Type: application/bin
Content-Disposition: form-data; name=text; filename="test.txt"; filename*=utf-8"test.txt
```

//ocr file content

```
--85b890d4-4faf-4261-bcbb-187c4dddc6--
```

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 201 – Created
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "ID": 6,
  "Name": "batch name",
  "Description": "batch description",
  "State": 0,
  "CreationTime": "2016-05-10T10:36:21Z",
  "PageCount": 1,
  "Private": false,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
    },
    {
```

```

    "rel": "http://identifiers.emc.com/linkrel/application",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/doc",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/batch-pages",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/thumbnail",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/creator",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
  }
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXBatch xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
  <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11" />
  <link rel="http://identifiers.emc.com/linkrel/batch-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6" />
  <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6" />
  <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />
  <ID>6</ID>
  <Name>batch name</Name>
  <Description>batch description</Description>
  <State>Idle</State>
  <CreationTime>2016-05-10T10:36:21Z</CreationTime>
  <PageCount>2</PageCount>
  <Private>>false</Private>
</AXBatch>

```

Create or append a batch by moving pages from the existed batch

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- POST

Query Parameters

Parameter	Description
batchid	The source batch id.
pagerange	The source batch pages range, such as "1, 3-5, 7-22"
ismove	(Optional) Whether move or copy. Default is false for copy operation.
targetbatch	(Optional) Target batch name or id. Empty for creating a new batch.

Request Headers

- Accept

Request Body

- NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 201 – Created
- 401 – Unauthorized
- 403 – Forbidden
- 404 – NotFound
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "ID": 6,
  "Name": "batch name",
  "Description": "batch description",
  "State": 0,
  "CreationTime": "2016-05-10T10:36:21Z",
  "PageCount": 1,
  "Private": false,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/application",
```

```

    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/doc",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/batch-pages",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/thumbnail",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/creator",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
  }
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXBatch xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
  <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11" />
  <link rel="http://identifiers.emc.com/linkrel/batch-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6" />
  <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6" />
  <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />
  <ID>6</ID>
  <Name>batch name</Name>
  <Description>batch description</Description>
  <State>Idle</State>
  <CreationTime>2016-05-10T10:36:21Z</CreationTime>
  <PageCount>2</PageCount>
  <Private>>false</Private>
</AXBatch>

```

Create or append a batch by moving pages from the existed document

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- POST

Query Parameters

Parameter	Description
-----------	-------------

docid	The source document id.
pagerange	The source document pages range, such as "1, 3-5, 7-22"
ismove	(Optional) Whether move or copy. Default is false for copy operation.
targetbatch	(Optional) Target batch name or id. Empty for creating a new batch.

Request Headers

- Accept

Request Body

- NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 201 – Created
- 401 – Unauthorized
- 403 – Forbidden
- 404 – NotFound
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json


```
{
  "ID": 6,
  "Name": "batch name",
  "Description": "batch description",
  "State": 0,
  "CreationTime": "2016-05-10T10:36:21Z",
  "PageCount": 1,
  "Private": false,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/application",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
    },
    {
```

```

    "rel": "http://identifiers.emc.com/linkrel/doc",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/batch-pages",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/thumbnail",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6"
  },
  {
    "rel": "http://identifiers.emc.com/linkrel/creator",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
  }
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXBatch xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
  <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11" />
  <link rel="http://identifiers.emc.com/linkrel/batch-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6" />
  <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6" />
  <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />
  <ID>6</ID>
  <Name>batch name</Name>
  <Description>batch description</Description>
  <State>Idle</State>
  <CreationTime>2016-05-10T10:36:21Z</CreationTime>
  <PageCount>2</PageCount>
  <Private>>false</Private>
</AXBatch>

```

AXBatch

The AXBatch resource represents an AX batch document that can be accessed from the AXBatches resource's entries or returned by a post operation on the AXBatches resource.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axbatches/{appid}/{batchid}
{dsn}	The data source name
{appid}	The application ID number

{batchid}	The batch document ID number or name
-----------	--------------------------------------

Resource Properties

Properties	Description
ID	Batch ID
Name	Batch name
Description	Batch description
State	Batch state. (Idle:0, Scan:1, Index:2)
CreationTime	Batch creation time
PageCount	Batch page count
Private	Whether the batch is private

Link Relations in this Resources

The following link relations are used to access the other resources linked to AXBatch.

Link Relations	Description
self	Points to the AXBatch resource itself.
http://identifiers.emc.com/linkrel/application	Points to an AXApplication resource.
http://identifiers.emc.com/linkrel/batch-pages	Returns a collection of batch-pages.
http://identifiers.emc.com/linkrel/creator	Points to an AXUser resource which represents the creator of an AXBatch.
http://identifiers.emc.com/linkrel/doc	Provides the link to create an AXDoc resource from this batch.
http://identifiers.emc.com/linkrel/thumbnail	Points to the AXThumbnail resource.

Operations

The AXBatch resource supports the following HTTP methods.

Method	Description
GET	Retrieve an AX batch document.
PUT	Modify an AX batch document.
DELETE	Delete an AX batch document.

Get the AXBatch Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "ID": 6,
  "Name": "batch name",
  "Description": "batch description",
  "State": 0,
  "CreationTime": "2016-05-10T10:36:21Z",
  "PageCount": 1,
  "Private": false,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/application",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
    }
  ]
}
```

```

    {
      "rel": "http://identifiers.emc.com/linkrel/doc",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/batch-pages",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/thumbnail",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/creator",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
    }
  ]
}

```

- **application/vnd.emc.ax+xml**

```

<AXBatch xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
  <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11" />
  <link rel="http://identifiers.emc.com/linkrel/batch-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6" />
  <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6" />
  <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />
  <ID>6</ID>
  <Name>batch name</Name>
  <Description>batch description</Description>
  <State>Idle</State>
  <CreationTime>2016-05-10T10:36:21Z</CreationTime>
  <PageCount>2</PageCount>
  <Private>>false</Private>
</AXBatch>

```

Modify the AXBatch Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- PUT

Query Parameters

NA

Request Headers

- Accept

Request Body

- application/vnd.emc.ax+json

```
{
  "ID": 7,
  "Name": "batch name",
  "Description": "batch description",
  "Private": false
}
```

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "ID": 6,
  "Name": "batch name",
  "Description": "batch description",
  "State": 0,
  "CreationTime": "2016-05-10T10:36:21Z",
  "PageCount": 1,
  "Private": false,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/application",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/doc",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/batch-pages",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6"
    }
  ]
}
```

```

    },
    {
      "rel": "http://identifiers.emc.com/linkrel/thumbnail",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/creator",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
    }
  ]
}

```

- **application/vnd.emc.ax+xml**

```

<AXBatch xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXBatches/11/6"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
  <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDocs/11" />
  <link rel="http://identifiers.emc.com/linkrel/batch-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6" />
  <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6" />
  <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />
  <ID>6</ID>
  <Name>batch name</Name>
  <Description>batch description</Description>
  <State>Idle</State>
  <CreationTime>2016-05-10T10:36:21Z</CreationTime>
  <PageCount>2</PageCount>
  <Private>>false</Private>
</AXBatch>

```

Delete the AXBatch Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- DELETE

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

NA

Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

NA

AXBatchPages

The AXBatchPages resource represents a collection of AX batch document pages that can be accessed from the AXBatch resource.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axbatchpages/{batchid}
{dsn}	The data source name
{appid}	The application ID number
{batchid}	The batch document ID number or name

Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX batch document page.

Link Relations in this Resources

NA

Operations

The AXBatchPages resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXBatchPages resource
POST	Create a batch page

Get the AXBatchPages Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

Parameter	Description
ImportOption	Bin file import option: 0x01: Inspect PDF file for errors. 0x02: Decrypt password secured PDF if possible. 0x04: Save plain text as compressed text with optional form name. 0x08: Save plain text as uncompressed text.
COLDFormName	Optional form name.

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "id": "8df136c4-1f6b-4d79-b825-e69d70d4230b",
  "updated": "2016-05-13T03:37:33.5517578Z",
  "entries": [
    {
      "Page": 1,
      "@base": "http://localhost",
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/1"
        },
        {
          "rel": "http://identifiers.emc.com/linkrel/rendition",
          "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/1"
        }
      ]
    }
  ]
}
```

```

        "rel": "http://identifiers.emc.com/linkrel/thumbnail",
        "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=1&pageEnd=
1"
    }
]
},
{
  "Page": 2,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/2"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/rendition",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/2"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/thumbnail",
      "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=2&pageEnd=
2"
    }
  ]
}
],
"@base": "http://localhost",
"links": [
  {
    "rel": "self",
    "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6"
  }
]
}
}

```

- application/vnd.emc.ax+xml

```

<AXBatchPagesCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <Id>84602ec3-4721-41e5-843d-6f85f723b2ea</Id>
  <LastUpdated>2016-05-13T03:42:24.8955078Z</LastUpdated>
  <Entries>
    <AXBatchPage href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/1"
baseurl="http://localhost">
      <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/1" />
      <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=1&
pageEnd=1" />
    </Page>1</Page>
  </AXBatchPage>

```

```

    <AXBatchPage href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/2"
    baseUrl="http://localhost">
      <link rel="http://identifiers.emc.com/linkrel/rendition"
    href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/2" />
      <link rel="http://identifiers.emc.com/linkrel/thumbnail"
    href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=2&amp
;pageEnd=2" />
      <Page>2</Page>
    </AXBatchPage>
  </Entries>
  <Count xsi:nil="true" />
</AXBatchPagesCollection>

```

Create a new AX batch page

In the HTTP request header, client needs to specify content type to be multipart/form_data, as well as the multipart boundary (the boundary can be different). Then in the HTTP request body, client needs to include several parts, the part of bin, annotation, text files. Please note the form name in each part's Content-Disposition header must be one of the following: bin, annotation, text. They are for different types of bin files. The annotation and text part are optional. This API only supports to create one page at a time.

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- POST

Query Parameters

NA

Request Headers

- Accept
- Content-Type: multipart/form-data; boundary="85b890d4-4faf-4261-bcbb-187c4dddcbc6"

Request Body

- multipart/form-data


```

--85b890d4-4faf-4261-bcbb-187c4dddcbc6
Content-Type: application/bin
Content-Disposition: form-data; name=bin; filename="test.pdf"; filename*=utf-8"test.pdf

//file content

--85b890d4-4faf-4261-bcbb-187c4dddcbc6
Content-Type: application/bin
Content-Disposition: form-data; name=annotation; filename="0100002m.ano"; filename*=utf-8"0100002m.ano

//annotation file content

--85b890d4-4faf-4261-bcbb-187c4dddcbc6
Content-Type: application/bin
Content-Disposition: form-data; name=text; filename="test.txt"; filename*=utf-8"test.txt

```

//ocr file content

--85b890d4-4faf-4261-bcbb-187c4dddcbc6--

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 201 – Created
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "Page": 3,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/3"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/rendition",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/3"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/thumbnail",
      "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=3&pageEnd=3"
    }
  ]
}
```
- application/vnd.emc.ax+xml

```
<AXBatchPage xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/3"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/3" />
  <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=3&
;pageEnd=3" />
  <Page>3</Page>
</AXBatchPage>
```

AXBatchPage

The AXBatchPage resource represents an AX batch document page that can be accessed from the AXBatchPages resource's entries.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axbatchpages/{batchid}/{batchpageid}
{dsn}	The data source name
{appid}	The application ID number
{batchid}	The batch document ID number or name
{batchpageid}	The batch document page ID number

Resource Properties

Properties	Description
Page	Page index

Link Relations in this Resources

The following link relations are used to access the other resources linked to AXBatchPage.

Link Relations	Description
self	Points to the AXBatchPage resource itself.
http://identifiers.emc.com/linkrel/rendition	Points to an AXRenderedContent resource.
http://identifiers.emc.com/linkrel/thumbnail	Points to an AXBatchThumbnails resource.

Operations

The AXBatchPage resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXBatchPage resource
PUT	Update the AXBatchPage's annotation and ocr file
DELETE	Delete a AXBatchPage resource

Get the AXBatchPage Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "Page": 1,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/1"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/rendition",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/1"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/thumbnail",
      "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=1&pageEnd=
1"
    }
  ]
}
```
- application/vnd.emc.ax+xml

```

<AXBatchPage xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/1"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/1" />
  <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=1&am
;pageEnd=1" />
  <Page>1</Page>
</AXBatchPage>

```

Modify the AX batch page's annotation or ocr file

In the HTTP request header, client needs to specify content type to be multipart/form_data, as well as the multipart boundary (the boundary can be different). Then in the HTTP request body, client needs to include at most two parts, annotation, text file. Please note the form name in each part's Content-Disposition header must be one of the following: annotation, text. Only annotation and text file can be modified through this API, and the original bin file cannot be changed.

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- PUT

Query Parameters

NA

Request Headers

- Accept
- Content-Type: multipart/form-data; boundary="85b890d4-4faf-4261-bcbb-187c4dddcbc6"

Request Body

- multipart/form-data


```

--85b890d4-4faf-4261-bcbb-187c4dddcbc6
Content-Type: application/bin
Content-Disposition: form-data; name=annotation; filename="0100002m.ano"; filename*=utf-8"0100002m.ano

//annotation file content

--85b890d4-4faf-4261-bcbb-187c4dddcbc6
Content-Type: application/bin
Content-Disposition: form-data; name=text; filename="test.txt"; filename*=utf-8"test.txt

//ocr file content

--85b890d4-4faf-4261-bcbb-187c4dddcbc6--

```

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

Response Status

- 201 – Created
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json

```
{
  "Page": 3,
  "@base": "http://localhost",
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/3"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/rendition",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/3"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/thumbnail",
      "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=3&pageEnd=3"
    }
  ]
}
```
- application/vnd.emc.ax+xml

```
<AXBatchPage xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchPages/6/3"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchRenderJob/6/3" />
  <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXBatchThumbnails/6?pageStart=3&
;pageEnd=3" />
  <Page>3</Page>
</AXBatchPage>
```

Delete the AXBatchPage Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- DELETE

Query Parameters

NA

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

NA

Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

NA

AXQueries

The AXQueries resource represents a collection of AX queries that can be accessed from the AXDataSource resource.

Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axqueries
{dsn}	The data source name

Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX query.

Link Relations in this Resources

NA

Operations

The AXQueries resource supports the following HTTP methods.

Method	Description
--------	-------------

GET	Retrieves the AXQueries resource
POST	Create a new AX query

Get the AXQueries Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

HTTP Method

- GET

Query Parameters

Parameter	Description
appid	Retrieve the specified application's queries

Request Headers

- Accept

Request Body

NA

Response Headers

- Content-Length
- Content-Type

Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

Response Body

- application/vnd.emc.ax+json


```
{
  "@base": "http://localhost",
  "entries": [
    {
      "Name": "APPLICATIONS",
      "ID": 5,
      "QueryType": 0,
      "IsPublic": false,
      "links": [
        {
          "rel": "self",
          "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/5"
        }
      ]
    }
  ]
}
```

```

    },
    {
      "rel": "http://identifiers.emc.com/linkrel/creator",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/query-definition",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/5"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/odma-query-definition",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/5"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/fulltext-query",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/5"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/saved-query-result",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/5"
    }
  ]
},
{
  "Name": "STUDENT ID CARDS",
  "ID": 6,
  "QueryType": 0,
  "IsPublic": false,
  "links": [
    {
      "rel": "self",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/creator",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/query-definition",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/odma-query-definition",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/fulltext-query",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/6"
    },
    {
      "rel": "http://identifiers.emc.com/linkrel/saved-query-result",
      "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/6"
    }
  ]
}
]

```

- ```

 }
]
}

```
- application/vnd.emc.ax+xml
 

```

<AXQueryCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseUrl="http://localhost">
 <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/5">
 <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" xmlns="http://www.emc.com/ax" />
 <link rel="http://identifiers.emc.com/linkrel/query-definition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/5" xmlns="http://www.emc.com/ax"
/>
 <link rel="http://identifiers.emc.com/linkrel/odma-query-definition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/5"
xmlns="http://www.emc.com/ax" />
 <link rel="http://identifiers.emc.com/linkrel/fulltext-query"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/5"
xmlns="http://www.emc.com/ax" />
 <link rel="http://identifiers.emc.com/linkrel/saved-query-result"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/5"
xmlns="http://www.emc.com/ax" />
 <Name xmlns="http://www.emc.com/ax">APPLICATIONS</Name>
 <ID xmlns="http://www.emc.com/ax">5</ID>
 <QueryType xmlns="http://www.emc.com/ax">DocumentQuery</QueryType>
 <IsPublic xmlns="http://www.emc.com/ax">false</IsPublic>
 </entries>
 <entries href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/6">
 <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" xmlns="http://www.emc.com/ax" />
 <link rel="http://identifiers.emc.com/linkrel/query-definition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/6" xmlns="http://www.emc.com/ax"
/>
 <link rel="http://identifiers.emc.com/linkrel/odma-query-definition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/6"
xmlns="http://www.emc.com/ax" />
 <link rel="http://identifiers.emc.com/linkrel/fulltext-query"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/6"
xmlns="http://www.emc.com/ax" />
 <link rel="http://identifiers.emc.com/linkrel/saved-query-result"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/6"
xmlns="http://www.emc.com/ax" />
 <Name xmlns="http://www.emc.com/ax">STUDENT ID CARDS</Name>
 <ID xmlns="http://www.emc.com/ax">6</ID>
 <QueryType xmlns="http://www.emc.com/ax">DocumentQuery</QueryType>
 <IsPublic xmlns="http://www.emc.com/ax">false</IsPublic>
 </entries>
 <count xsi:nil="true" />
</AXQueryCollection>

```

### Create a new AX Query

The HTTP method, query parameters, and headers that are supported by this resource are described below.

## HTTP Method

- POST

## Query Parameters

| Parameter | Description                                                  |
|-----------|--------------------------------------------------------------|
| appid     | The application ID under which the query will be created in. |

## Request Headers

- Accept

## Request Body

- application/vnd.emc.ax+json

Normal Query:

```
{
 "Indexes": [
 {
 "Name": "STUDENT ID",
 "Value": "12345"
 },
 {
 "Name": "LAST NAME",
 "Value": "ZHOU"
 }
],
 "fullText": {
 "QueryOperator": 0,
 "SearchType": 0,
 "Thesaurus": true,
 "Value": "test"
 },
 "Name": "MyNewQuery",
 "IsPublic": true,
 "IsIncludingPreviousRevisions": true,
}
```

CAQ Query:

```
{
 "Apps": [
 11,
 141
],
 "Indexes": [
 {
 "Name": "FIRST NAME",
 "Searchable": true,
 "Displayable": true
 },
 {
 "Name": "LAST NAME",
 "Searchable": true,
 "Displayable": true
 },
]
}
```

```

 "Name": "STUDENT ID",
 "Searchable": false,
 "Displayable": true
 },
 {
 "Name": "EMPLOYEE ID",
 "Searchable": false,
 "Displayable": true
 }
],
"Name": "MyCAQQuery",
"IsPublic": true,
"IsIncludingPreviousRevisions": false,
"Owner": "SYSOP",
"QueryType": 1
}

```

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json
 

```

{
 "Name": "MyNewQuery",
 "ID": 5,
 "QueryType": 0,
 "IsPublic": true,
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/datasource",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/creator",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
 }
],

```

```

{
 "rel": "http://identifiers.emc.com/linkrel/query-definition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/1"
},
{
 "rel": "http://identifiers.emc.com/linkrel/odma-query-definition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/1"
},
{
 "rel": "http://identifiers.emc.com/linkrel/fulltext-query",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/1"
},
{
 "rel": "http://identifiers.emc.com/linkrel/saved-query-result",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/1"
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXQuery xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/1" baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/datasource" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" />
 <link rel="http://identifiers.emc.com/linkrel/creator" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />
 <link rel="http://identifiers.emc.com/linkrel/query-definition" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/1" />
 <link rel="http://identifiers.emc.com/linkrel/odma-query-definition" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/1" />
 <link rel="http://identifiers.emc.com/linkrel/fulltext-query" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/1" />
 <link rel="http://identifiers.emc.com/linkrel/saved-query-result" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/1" />
 <Name>MyNewQuery</Name>
 <ID>5</ID>
 <QueryType>DocumentQuery</QueryType>
 <IsPublic>true</IsPublic>
</AXQuery>

```

## AXQuery

The AXQuery resource represents an AX query that can be accessed from the saved AXQueries resource's entries or returned from post query operation on AXApp resource.

### Resource URI

| Variable | Description                                     |
|----------|-------------------------------------------------|
| URI      | api/axdatasources/{dsn}/axqueries/{queryid}     |
| URI      | api/axdatasources/{dsn}/axqueries?appid={appid} |
| {dsn}    | The data source name                            |

|           |                                                                                |
|-----------|--------------------------------------------------------------------------------|
| {queryid} | The query ID number or name                                                    |
| {appid}   | The application ID, to get all saved queries belongs to that application only. |

### Resource Properties

| Properties                   | Description                                                        |
|------------------------------|--------------------------------------------------------------------|
| Name                         | Query name                                                         |
| ID                           | Query ID                                                           |
| QueryType                    | QueryType: 0 – Normal Query, 1 – Cross App Query, 2 – Report Query |
| IsPublic                     | True if the query is public                                        |
| IsIncludingPreviousRevisions | True if the query searches all previous doc revisions              |

### Link Relations in this Resources

The following link relations are used to access the other resources linked to AXQuery.

| Link Relations                                          | Description                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|
| self                                                    | Points to the AXQuery resource itself.                                   |
| http://identifiers.emc.com/linkrel/datasource           | Points to an AXDataSource resource.                                      |
| http://identifiers.emc.com/linkrel/creator              | Points to an AXUser resource which represents the creator of an AXQuery. |
| http://identifiers.emc.com/linkrel/query-definition     | Points to the AXQueryFields resource.                                    |
| http://identifiers.emc.com/linkrel/odma-query           | Points to the AXODMAQueryFields resource.                                |
| http://identifiers.emc.com/linkrel/fulltext-query       | Points to the AXFullTextQuery resource.                                  |
| http://identifiers.emc.com/linkrel/caq-query-definition | Points to the AXCAQConfig resource.                                      |
| http://identifiers.emc.com/linkrel/saved-query-result   | Points to the AXQueryResultCollection resource.                          |

### Operations

The AXQuery resource supports the following HTTP methods.

| Method | Description |
|--------|-------------|
|--------|-------------|

|        |                               |
|--------|-------------------------------|
| GET    | Retrieves an AXQuery resource |
| PUT    | Modify an AXQuery resource    |
| DELETE | Delete an AXQuery resource    |

### Get the AXQuery Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json
 

```
{
 "Name": "KATHERINE STEWART",
 "ID": 1,
 "QueryType": 0,
 "IsPublic": false,
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/1"
 }
],
 {
```

```

 "rel": "http://identifiers.emc.com/linkrel/datasource",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/creator",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/query-definition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma-query-definition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/fulltext-query",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/saved-query-result",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/1"
 }
}
]
}

```

- **application/vnd.emc.ax+xml**

```

<AXQuery xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/1" baseurl="http://localhost"
xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/datasource"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" />
 <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />
 <link rel="http://identifiers.emc.com/linkrel/query-definition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/1" />
 <link rel="http://identifiers.emc.com/linkrel/odma-query-definition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/1" />
 <link rel="http://identifiers.emc.com/linkrel/fulltext-query"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/1" />
 <link rel="http://identifiers.emc.com/linkrel/saved-query-result"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/1" />
 <Name>KATHERINE STEWART</Name>
 <ID>1</ID>
 <QueryType>DocumentQuery</QueryType>
 <IsPublic>>false</IsPublic>
</AXQuery>

```

## Modify the AXQuery Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- PUT

## Query Parameters

NA

## Request Headers

- Accept

## Request Body

- application/vnd.emc.ax+json

```
{
 "Indexes": [
 {
 "Name": "STUDENT ID",
 "Value": "12345"
 },
 {
 "Name": "LAST NAME",
 "Value": "ZHOU"
 }
],
 "fullText": {
 "QueryOperator": 0,
 "SearchType": 0,
 "Thesaurus": true,
 "Value": "test"
 },
 "ID": 5,
 "Name": "UpdatedQuery",
 "IsPublic": true,
 "IsIncludingPreviousRevisions": false,
}
```

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "Name": "UpdatedQuery",
 "ID": 5,
}
```

```

"QueryType": 0,
"IsPublic": false,
"@base": "http://localhost",
"links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/datasource",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/creator",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/query-definition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma-query-definition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/fulltext-query",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/saved-query-result",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/1"
 }
]
}

```

- application/vnd.emc.ax+xml

```

<AXQuery xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/1" baseurl="http://localhost" xmlns="http://www.emc.com/ax">

```

```

 <link rel="http://identifiers.emc.com/linkrel/datasource"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" />
 <link rel="http://identifiers.emc.com/linkrel/creator"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUser/1" />
 <link rel="http://identifiers.emc.com/linkrel/query-definition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryFields/1" />
 <link rel="http://identifiers.emc.com/linkrel/odma-query-definition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXODMAQueryFields/1" />
 <link rel="http://identifiers.emc.com/linkrel/fulltext-query"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/1" />
 <link rel="http://identifiers.emc.com/linkrel/saved-query-result"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXSavedQueryResults/1" />
 <Name>UpdatedQuery</Name>
 <ID>5</ID>
 <QueryType>DocumentQuery</QueryType>
 <IsPublic>>false</IsPublic>

```

</AXQuery>

### Delete the AXQuery Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- DELETE

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

NA

#### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

NA

## AXSavedQueryResults

The AXSavedQueryResults resource represents a result set of AX saved query execution. It must be accessed from the AXQuery resource.

#### Resource URI

| Variable  | Description                                           |
|-----------|-------------------------------------------------------|
| URI       | api/axdatasources/{dsn}/axsavedqueryresults/{queryid} |
| {dsn}     | The data source name                                  |
| {queryid} | The query ID number or name                           |

#### Resource Properties

| Properties | Description |
|------------|-------------|
|------------|-------------|

|               |                                                                                                                                      |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------|
| columns       | Query result columns                                                                                                                 |
| entries       | Each entry in this collection represents a query result item                                                                         |
| /Id           | Query result item ID (property of query result item in entries)                                                                      |
| /Pagecount    | Item page count (property of query result item in entries)                                                                           |
| /Attributes   | Item attributes (property of query result item in entries)                                                                           |
| /FulltextHits | If full text search is performed, this contains the number of full text hits on this item (property of query result item in entries) |
| /IndexValues  | Item index values (property of query result item in entries)                                                                         |

#### Link Relations in this Resources

| Link Relations | Description                                                      |
|----------------|------------------------------------------------------------------|
| first          | Points to the first page of the AXSavedQueryResults resource.    |
| next           | Points to the next page of the AXSavedQueryResults resource.     |
| prev           | Points to the previous page of the AXSavedQueryResults resource. |
| last           | Points to the last page of the AXSavedQueryResults resource.     |
| self           | Points to the AXSavedQueryResults resource.                      |

#### Operations

The AXSavedQueryResults resource supports the following HTTP methods.

| Method | Description                                                 |
|--------|-------------------------------------------------------------|
| GET    | Retrieves the AXSavedQueryResults resource of a saved query |

#### Get the AXSavedQueryResults Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

| Parameter | Description                                          |
|-----------|------------------------------------------------------|
| ftquery   | Optional fulltext query string.<br>Default is empty. |

|              |                                                                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ftoperator   | Optional fulltext query operator.<br>0: And, 1: Or.<br>Default is 1.                                                                                                  |
| ftexpression | Optional fulltext query expression.<br>0: And,1: OR,2: Exact,3: Expression.<br>Default is 0.                                                                          |
| ftoptions    | Optional fulltext options.<br>0: None,1: Thesaurus.<br>Default is 0.                                                                                                  |
| nativetype   | Optional, true if you want to return the index value as native type for integer, decimal and currency.                                                                |
| allrevisions | Optional, true if you want to search all previous revisions of the document. It overrides the IncludingPreviousRevisions property of a saved query. Default is false. |
| \$filter     | This is the OData clause used to override the existing saved query criteria.                                                                                          |
| \$orderby    | This is the OData clause used to override the existing saved query sort order.                                                                                        |

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json
 

```
{
 "columns": [
 "EMPLOYEE ID",
 "LAST NAME",
 "FIRST NAME",
 "MIDDLE INIT",
 "HIRE DATE",
 "TERM DATE",
 "JOB CODE",
 "DOC. DATE",
```

```
"DOC. TYPE"
],
"id": "2",
"updated": "2016-05-16T00:38:48.3427735Z",
"entries": [
 {
 "indexvalues": [
 "309811602",
 "LEYVA",
 "SUSANA",
 "G",
 "03-13-2003",
 "",
 "2911",
 "03-13-2003",
 "I9 FORM"
],
 "ID": 2,
 "PageCount": 1,
 "Attributes": {
 "InRecycleBin": true
 },
 "RecycleUserId": 2,
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/141/AXDocs/2"
 }
]
 },
 {
 "indexvalues": [
 "309811602",
 "LEYVA",
 "SUSANA",
 "G",
 "03-13-2003",
 "",
 "2911",
 "02-23-2003",
 "BACKGROUND AUTHORIZATION"
],
 "ID": 28,
 "PageCount": 2,
 "Attributes": {},
 "RecycleUserId": 0,
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/141/AXDocs/28"
 }
]
 }
],
```

```

"@base": "http://localhost",
"links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryResultItems/2"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/datasource",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
 }
]
}

```

- application/vnd.emc.ax+xml

```

<AXQueryResultCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryResultItems/2" baseurl="http://localhost"
xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/datasource"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" />
 <Id>2</Id>
 <LastUpdated>2016-05-16T05:34:23.4990235Z</LastUpdated>
 <Entries>
 <AXQueryResultItem>
 <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/141/AXDocs/1" />
 <indexvalue>309811602</indexvalue>
 <indexvalue>LEYVA</indexvalue>
 <indexvalue>SUSANA</indexvalue>
 <indexvalue>G</indexvalue>
 <indexvalue>03-13-2003</indexvalue>
 <indexvalue />
 <indexvalue>2911</indexvalue>
 <indexvalue>03-13-2003</indexvalue>
 <indexvalue>SUBSTANCE ABUSE POLICY</indexvalue>
 <ID>1</ID>
 <PageCount>1</PageCount>
 <Attributes />
 <FulltextHits xsi:nil="true" />
 </AXQueryResultItem>
 <AXQueryResultItem>
 <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/141/AXDocs/2" />
 <indexvalue>309811602</indexvalue>
 <indexvalue>LEYVA</indexvalue>
 <indexvalue>SUSANA</indexvalue>
 <indexvalue>G</indexvalue>
 <indexvalue>03-13-2003</indexvalue>
 <indexvalue />
 <indexvalue>2911</indexvalue>
 <indexvalue>03-13-2003</indexvalue>
 <indexvalue>I9 FORM</indexvalue>
 <ID>2</ID>
 <PageCount>1</PageCount>
 <Attributes />

```

```

 <FulltextHits xsi:nil="true" />
 </AXQueryResultItem>
</Entries>
<Count xsi:nil="true" />
<column>EMPLOYEE ID</column>
<column>LAST NAME</column>
<column>FIRST NAME</column>
<column>MIDDLE INIT</column>
<column>HIRE DATE</column>
<column>TERM DATE</column>
<column>JOB CODE</column>
<column>DOC. DATE</column>
<column>DOC. TYPE</column>
</AXQueryResultCollection>

```

## AXAdhocQueryResults

The AXAdhocQueryResults resource represents a result set of AX adhoc query execution. It is accessed from the AXApp resource.

### Resource URI

| Variable | Description                                         |
|----------|-----------------------------------------------------|
| URI      | api/axdatasources/{dsn}/axadhocqueryresults/{appid} |
| {dsn}    | The data source name                                |
| {appid}  | The application ID number                           |

### Resource Properties

| Properties    | Description                                                                                                                          |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------|
| columns       | Query result columns                                                                                                                 |
| entries       | Each entry in this collection represents a query result item                                                                         |
| /Id           | Query result item ID (property of query result item in entries)                                                                      |
| /Pagecount    | Item page count (property of query result item in entries)                                                                           |
| /Attributes   | Item attributes (property of query result item in entries)                                                                           |
| /FulltextHits | If full text search is performed, this contains the number of full text hits on this item (property of query result item in entries) |
| /IndexValues  | Item index values (property of query result item in entries)                                                                         |

### Link Relations in this Resources

| Link Relations | Description                                                   |
|----------------|---------------------------------------------------------------|
| first          | Points to the first page of the AXAdhocQueryResults resource. |

|      |                                                                  |
|------|------------------------------------------------------------------|
| next | Points to the next page of the AXAdhocQueryResults resource.     |
| prev | Points to the previous page of the AXAdhocQueryResults resource. |
| last | Points to the last page of the AXAdhocQueryResults resource.     |
| self | Points to the AXAdhocQueryResults resource.                      |

### Operations

The AXAdhocQueryResults resource supports the following HTTP methods.

| Method | Description                                                 |
|--------|-------------------------------------------------------------|
| POST   | Retrieves the AXAdhocQueryResults resource of a adhoc query |

### Get the AXAdhocQueryResults Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

| Parameter  | Description                                                                                  |
|------------|----------------------------------------------------------------------------------------------|
| nativetype | True if you want to return the index value as native type for integer, decimal and currency. |

#### Request Headers

- Accept

#### Request Body

- application/vnd.emc.ax+json

Normal Query:

```
{
 "Indexes": [
 {
 "Name": "STUDENT ID",
 "Value": "21212"
 },
 {
 "Name": "LAST NAME",
 "Value": "KEYES"
 }
],
 "fullText": {
 "QueryOperator": 0,
 "SearchType": 0,
 }
}
```

```

 "Thesaurus": true,
 "Value": ""
 },
 "IsIncludingPreviousRevisions": false,
}
CAQ Query:
{
 "Apps": [
 11,
 141
],
 "Indexes": [
 {
 "Name": "FIRST NAME",
 "Searchable": true,
 "Displayable": true
 },
 {
 "Name": "LAST NAME",
 "Searchable": true,
 "Displayable": true
 },
 {
 "Name": "STUDENT ID",
 "Searchable": false,
 "Displayable": true
 },
 {
 "Name": "EMPLOYEE ID",
 "Searchable": false,
 "Displayable": true
 }
],
 "Name": "MyCAQQuery",
 "IsPublic": true,
 "IsIncludingPreviousRevisions": false,
 "Owner": "SYSOP",
 "QueryType": 1
}
Report Query:
{
 "Indexes": [
 {
 "Name": "RPTTYPE",
 "Value": "STMT-PDF"
 }
],
 "QueryType": 2
}

```

#### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json

```
{
 "columns": [
 "STUDENT ID",
 "LAST NAME",
 "FIRST NAME",
 "SSN",
 "ACADEMIC YR/TERM",
 "DOCUMENT TYPE",
 "DOCUMENT DATE",
 "NICKNAME"
],
 "id": "{fd1cb932-99fc-43d0-abdf-f028002f8d27}",
 "updated": "2016-05-16T05:38:22.2919922Z",
 "entries": [
 {
 "indexvalues": [
 "21212",
 "KEYES",
 "TANDRA",
 "012-21-3475",
 "200403",
 "STUDENT ID CARD",
 "2004-09-10",
 "TANDY"
],
 "ID": 1,
 "PageCount": 1,
 "Attributes": {
 "InRecycleBin": true
 },
 "RecycleUserId": 2,
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/1"
 }
]
 }
],
 "indexvalues": [
```

```

 "21212",
 "KEYES",
 "TANDRA",
 "012-21-3475",
 "200403",
 "APPLICATION",
 "2004-01-03",
 null
],
 "ID": 5,
 "PageCount": 3,
 "Attributes": {},
 "RecycleUserId": 0,
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/5"
 }
]
},
"@base": "http://localhost",
"links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryResultItems/%7Bfd1cb932-99fc-43d0-abdf-f028002f8d27%7D"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/datasource",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo"
 }
]
}
}

```

- application/vnd.emc.ax+xml

```

<AXQueryResultCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueryResultItems/%7B32ea2e31-4554-4d54-9921-063a1b56e038%7D" baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/datasource"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo" />
 <Id>{32ea2e31-4554-4d54-9921-063a1b56e038}</Id>
 <LastUpdated>2016-05-16T05:45:07.9394532Z</LastUpdated>
 <Entries>
 <AXQueryResultItem>
 <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/1" />
 <indexvalue>21212</indexvalue>
 <indexvalue>KEYES</indexvalue>
 <indexvalue>TANDRA</indexvalue>
 <indexvalue>012-21-3475</indexvalue>
 <indexvalue>200403</indexvalue>
 <indexvalue>STUDENT ID CARD</indexvalue>
 <indexvalue>2004-09-10</indexvalue>
 </AXQueryResultItem>
 </Entries>
</AXQueryResultCollection>

```

```

<indexvalue>TANDY</indexvalue>
<ID>1</ID>
<PageCount>1</PageCount>
<Attributes />
<FulltextHits xsi:nil="true" />
</AXQueryResultItem>
<AXQueryResultItem>
 <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/5" />
 <indexvalue>21212</indexvalue>
 <indexvalue>KEYES</indexvalue>
 <indexvalue>TANDRA</indexvalue>
 <indexvalue>012-21-3475</indexvalue>
 <indexvalue>200403</indexvalue>
 <indexvalue>APPLICATION</indexvalue>
 <indexvalue>2004-01-03</indexvalue>
 <ID>5</ID>
 <PageCount>3</PageCount>
 <Attributes />
 <FulltextHits xsi:nil="true" />
</AXQueryResultItem>
</Entries>
<Count xsi:nil="true" />
<column>STUDENT ID</column>
<column>LAST NAME</column>
<column>FIRST NAME</column>
<column>SSN</column>
<column>ACADEMIC YR/TERM</column>
<column>DOCUMENT TYPE</column>
<column>DOCUMENT DATE</column>
<column>NICKNAME</column>
</AXQueryResultCollection>

```

## AXQueryFields

The AXQueryFields resource represents a list query fields of AX Query that can be accessed from the AXQuery resource's link of querydefinition.

### Resource URI

| Variable  | Description                                     |
|-----------|-------------------------------------------------|
| URI       | api/axdatasources/{dsn}/axqueryfields/{queryid} |
| {dsn}     | The data source name                            |
| {queryid} | The query ID number or name                     |

### Resource Properties

| Properties | Description                                                   |
|------------|---------------------------------------------------------------|
| entries    | Each entry in this collection represents an AX query field.   |
| /Name      | Query field name. (property of query field object in entries) |

|                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| /SearchName      | Query field name for search. (property of query field object in entries) |
| /FieldAttributes | Query field attributes. (property of query field object in entries)      |
| /FieldLength     | Query field length. (property of query field object in entries)          |
| /QueryValue      | Query criteria value. (property of query field object in entries)        |

#### Link Relations in this Resources

NA

#### Operations

The AXQueryFields resource supports the following HTTP methods.

| Method | Description                          |
|--------|--------------------------------------|
| GET    | Retrieves the AXQueryFields resource |

#### Get the AXQueryFields Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json  
{

```

"@base": "http://localhost",
"entries": [
 {
 "Name": "EMPLOYEE ID",
 "SearchName": "field1",
 "FieldAttributes": {
 "Searchable": true,
 "Displayable": true,
 "Sortable": true
 },
 "FieldLength": 9,
 "QueryValue": "",
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/data-type",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/6"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/data-format",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/6/2"
 }
]
 },
 {
 "Name": "LAST NAME",
 "SearchName": "field2",
 "FieldAttributes": {
 "Searchable": true,
 "Displayable": true,
 "Sortable": true
 },
 "FieldLength": 15,
 "QueryValue": "LEYVA",
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/data-type",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
 }
]
 }
]
}

```

- application/vnd.emc.ax+xml

```

<AXQueryFields xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseurl="http://localhost">
 <entries>
 <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/6" xmlns="http://www.emc.com/ax" />
 <link rel="http://identifiers.emc.com/linkrel/data-format"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataFormats/6/2"
xmlns="http://www.emc.com/ax" />
 <Name xmlns="http://www.emc.com/ax">EMPLOYEE ID</Name>
 <SearchName xmlns="http://www.emc.com/ax">field1</SearchName>
 <FieldAttributes xmlns="http://www.emc.com/ax">

```

```

 <Searchable>true</Searchable>
 <Displayable>true</Displayable>
 <Sortable>true</Sortable>
 </FieldAttributes>
 <FieldLength xmlns="http://www.emc.com/ax">9</FieldLength>
 <QueryValue xmlns="http://www.emc.com/ax" />
</entries>
<entries>
 <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0" xmlns="http://www.emc.com/ax" />
 <Name xmlns="http://www.emc.com/ax">LAST NAME</Name>
 <SearchName xmlns="http://www.emc.com/ax">field2</SearchName>
 <FieldAttributes xmlns="http://www.emc.com/ax">
 <Searchable>true</Searchable>
 <Displayable>true</Displayable>
 <Sortable>true</Sortable>
 </FieldAttributes>
 <FieldLength xmlns="http://www.emc.com/ax">15</FieldLength>
 <QueryValue xmlns="http://www.emc.com/ax">LEYVA</QueryValue>
</entries>
<count xsi:nil="true" />
</AXQueryFields>

```

## AXODMAQueryFields

The AXODMAQueryFields resource represents odma query fields of AX Query that can be accessed from the AXQuery resource.

### Resource URI

| Variable  | Description                                         |
|-----------|-----------------------------------------------------|
| URI       | api/axdatasources/{dsn}/axodmaqueryfields/{queryid} |
| {dsn}     | The data source name                                |
| {queryid} | The query ID number or name                         |

### Resource Properties

| Properties       | Description                                                                   |
|------------------|-------------------------------------------------------------------------------|
| entries          | Each entry in this collection represents an ODMA query field.                 |
| /Name            | Query field name. (property of ODMA query field object in entries)            |
| /SearchName      | Query field name for search. (property of ODMA query field object in entries) |
| /FieldAttributes | Query field attributes. (property of ODMA query field object in entries)      |
| /FieldLength     | Query field length. (property of ODMA query field object in entries)          |
| /QueryValue      | Query criteria value. (property of ODMA query field object in entries)        |

### Link Relations in this Resources

NA

## Operations

The AXODMAQueryFields resource supports the following HTTP methods.

| Method | Description                              |
|--------|------------------------------------------|
| GET    | Retrieves the AXODMAQueryFields resource |

### Get the AXODMAQueryFields Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json

```
{
 "@base": "http://localhost",
 "entries": [
 {
 "Name": "[Title]",
 "SearchName": "odmafield1",
 "FieldAttributes": {
 "Searchable": true
 },
 "FieldLength": 132,
 "QueryValue": "",
 "links": [
 {
```

```
"rel": "http://identifiers.emc.com/linkrel/data-type",
"href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
}
]
},
{
 "Name": "[Subject]",
 "SearchName": "odmafield2",
 "FieldAttributes": {
 "Searchable": true
 },
 "FieldLength": 132,
 "QueryValue": "",
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/data-type",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
 }
]
},
{
 "Name": "[Author]",
 "SearchName": "odmafield3",
 "FieldAttributes": {
 "Searchable": true
 },
 "FieldLength": 132,
 "QueryValue": "",
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/data-type",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
 }
]
},
{
 "Name": "[Keywords]",
 "SearchName": "odmafield4",
 "FieldAttributes": {
 "Searchable": true
 },
 "FieldLength": 132,
 "QueryValue": "",
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/data-type",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
 }
]
},
{
 "Name": "[Comment]",
 "SearchName": "odmafield5",
 "FieldAttributes": {
```



```

<link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0" xmlns="http://www.emc.com/ax" />
<Name xmlns="http://www.emc.com/ax">[Author]</Name>
<SearchName xmlns="http://www.emc.com/ax">odmafield3</SearchName>
<FieldAttributes xmlns="http://www.emc.com/ax">
 <Searchable>true</Searchable>
</FieldAttributes>
<FieldLength xmlns="http://www.emc.com/ax">132</FieldLength>
<QueryValue xmlns="http://www.emc.com/ax" />
</entries>
<entries>
 <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0" xmlns="http://www.emc.com/ax" />
 <Name xmlns="http://www.emc.com/ax">[Keywords]</Name>
 <SearchName xmlns="http://www.emc.com/ax">odmafield4</SearchName>
 <FieldAttributes xmlns="http://www.emc.com/ax">
 <Searchable>true</Searchable>
 </FieldAttributes>
 <FieldLength xmlns="http://www.emc.com/ax">132</FieldLength>
 <QueryValue xmlns="http://www.emc.com/ax" />
</entries>
<entries>
 <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0" xmlns="http://www.emc.com/ax" />
 <Name xmlns="http://www.emc.com/ax">[Comment]</Name>
 <SearchName xmlns="http://www.emc.com/ax">odmafield5</SearchName>
 <FieldAttributes xmlns="http://www.emc.com/ax">
 <Searchable>true</Searchable>
 </FieldAttributes>
 <FieldLength xmlns="http://www.emc.com/ax">254</FieldLength>
 <QueryValue xmlns="http://www.emc.com/ax" />
</entries>
<entries>
 <link rel="http://identifiers.emc.com/linkrel/data-type"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0" xmlns="http://www.emc.com/ax" />
 <Name xmlns="http://www.emc.com/ax">[Owner]</Name>
 <SearchName xmlns="http://www.emc.com/ax">odmafield6</SearchName>
 <FieldAttributes xmlns="http://www.emc.com/ax">
 <Searchable>true</Searchable>
 </FieldAttributes>
 <FieldLength xmlns="http://www.emc.com/ax">64</FieldLength>
 <QueryValue xmlns="http://www.emc.com/ax" />
</entries>
<count xsi:nil="true" />
</AXODMAQueryFields>

```

## AXFullTextQuery

The AXFullTextQuery resource describes the full text query properties of an ax query that can be accessed from the AXQuery resource.

### Resource URI

| Variable | Description |
|----------|-------------|
|----------|-------------|

|           |                                                   |
|-----------|---------------------------------------------------|
| URI       | api/axdatasources/{dsn}/axfulltextquery/{queryid} |
| {dsn}     | The data source name                              |
| {queryid} | The query ID number or name                       |

#### Resource Properties

| Properties        | Description                                                       |
|-------------------|-------------------------------------------------------------------|
| FTQueryOperator   | Full text query operator. ( And:0, Or:1)                          |
| FTQueryExpression | Full text query expression ( And:0, Or:1, Exact:2, Expression:3 ) |
| FTQueryValue      | Full text query value                                             |
| FTQueryOptions    | Full text query options                                           |

#### Link Relations in this Resources

The following link relations are used to access the other resources linked to AXFullTextQuery.

| Link Relations                           | Description                                   |
|------------------------------------------|-----------------------------------------------|
| self                                     | Points to the AXFullTextQuery resource itself |
| http://identifiers.emc.com/linkrel/query | Points to the AXQuery resource                |

#### Operations

The AXFullTextQuery resource supports the following HTTP methods.

| Method | Description                            |
|--------|----------------------------------------|
| GET    | Retrieves the AXFullTextQuery resource |

#### Get the AXFullTextQuery Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "FTQueryOperator": 0,
 "FTQueryExpression": 0,
 "FTQueryValue": "test",
 "FTQueryOptions": {},
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/13"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/query",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/13"
 }
]
}
```
- application/vnd.emc.applicationxtender+xml

```
<AXFulltextQuery xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXFulltextQuery/13"
xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/query"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/13" />
 <FTQueryOperator>And</FTQueryOperator>
 <FTQueryExpression>And</FTQueryExpression>
 <FTQueryValue>test</FTQueryValue>
 <FTQueryOptions />
</AXFulltextQuery>
```

## AXCAQQuery

The AXCAQQuery resource returns the CAQ config of an AX CAQ query that can be accessed from the AXQuery resource.

## Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/AXCAQQuery/{queryid}
{dsn}	The data source name
{queryid}	The caq query ID

## Resource Properties

Properties	Description
ID	CAQ Query ID
Name	CAQ Query Name
IsPublic	Whether the query is public
CAQApps	CAQ involved application ids collection
Fields	AXCAQField collection
/Name	AXCAQField property. The AXCAQField name.
/Searchable	AXCAQField property. Determines whether the AXCAQField is searchable.
/Displayable	AXCAQField property. Determines whether the AXCAQField is displayable.

## Link Relations in this Resources

The following link relations are used to access the other resources linked to AXCAQQuery.

Link Relations	Description
self	Points to the AXCAQQuery resource itself
http://identifiers.emc.com/linkrel/query	Points to the AXQuery resource

## Operations

The AXCAQQuery resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXCAQQuery resource

## Get the AXCAQQuery Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

## Query Parameters

NA

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "ID": 13,
 "Name": "CAQ",
 "IsPublic": true,
 "CAQApps": [
 101,
 152
],
 "Fields": [
 {
 "Name": "AMOUNT",
 "Searchable": false,
 "Displayable": true
 },
 {
 "Name": "APPROVER",
 "Searchable": false,
 "Displayable": true
 },
 {
 "Name": "CHECK NUMBER",
 "Searchable": true,
 "Displayable": true
 },
 {
 "Name": "DEPARTMENT",
 "Searchable": false,
```

```
"Displayable": false
},
{
 "Name": "DOC. DATE",
 "Searchable": false,
 "Displayable": false
},
{
 "Name": "DOC. TYPE",
 "Searchable": true,
 "Displayable": true
},
{
 "Name": "DUE DATE",
 "Searchable": false,
 "Displayable": true
},
{
 "Name": "GL ACCOUNT",
 "Searchable": false,
 "Displayable": false
},
{
 "Name": "INVOICE NUMBER",
 "Searchable": true,
 "Displayable": true
},
{
 "Name": "LINE AMOUNT",
 "Searchable": false,
 "Displayable": true
},
{
 "Name": "LINE DESCRIPTION",
 "Searchable": false,
 "Displayable": false
},
{
 "Name": "LINE NUMBER",
 "Searchable": false,
 "Displayable": false
},
{
 "Name": "LOCATION",
 "Searchable": false,
 "Displayable": true
},
{
 "Name": "PAYMENT METHOD",
 "Searchable": false,
 "Displayable": true
},
{
 "Name": "PO LINE",
```

```

 "Searchable": false,
 "Displayable": true
 },
 {
 "Name": "PO NUMBER",
 "Searchable": true,
 "Displayable": true
 },
 {
 "Name": "REMIT TO",
 "Searchable": false,
 "Displayable": true
 },
 {
 "Name": "SCAN DATE",
 "Searchable": false,
 "Displayable": false
 },
 {
 "Name": "TERMS",
 "Searchable": false,
 "Displayable": true
 },
 {
 "Name": "VENDOR NAME",
 "Searchable": true,
 "Displayable": true
 },
 {
 "Name": "VENDOR NUMBER",
 "Searchable": true,
 "Displayable": true
 }
],
"links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/query",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/13"
 }
]
}

```

- application/vnd.emc.ax+xml

```

<AXCAQConfig xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
 <link rel="http://identifiers.emc.com/linkrel/query"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXQueries/13" xmlns="http://www.emc.com/ax" />
 <ID>13</ID>
 <Name>CAQ</Name>
 <IsPublic>true</IsPublic>
 <CAQApps>
 <short>101</short>
 <short>152</short>
 </CAQApps>
 <Fields>

```

```
<AXCAQField>
 <Name>AMOUNT</Name>
 <Searchable>>false</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>APPROVER</Name>
 <Searchable>>false</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>CHECK NUMBER</Name>
 <Searchable>>true</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>DEPARTMENT</Name>
 <Searchable>>false</Searchable>
 <Displayable>>false</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>DOC. DATE</Name>
 <Searchable>>false</Searchable>
 <Displayable>>false</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>DOC. TYPE</Name>
 <Searchable>>true</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>DUE DATE</Name>
 <Searchable>>false</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>GL ACCOUNT</Name>
 <Searchable>>false</Searchable>
 <Displayable>>false</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>INVOICE NUMBER</Name>
 <Searchable>>true</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>LINE AMOUNT</Name>
 <Searchable>>false</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>LINE DESCRIPTION</Name>
 <Searchable>>false</Searchable>
 <Displayable>>false</Displayable>
```

```
</AXCAQField>
<AXCAQField>
 <Name>LINE NUMBER</Name>
 <Searchable>>false</Searchable>
 <Displayable>>false</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>LOCATION</Name>
 <Searchable>>false</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>PAYMENT METHOD</Name>
 <Searchable>>false</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>PO LINE</Name>
 <Searchable>>false</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>PO NUMBER</Name>
 <Searchable>>true</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>REMIT TO</Name>
 <Searchable>>false</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>SCAN DATE</Name>
 <Searchable>>false</Searchable>
 <Displayable>>false</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>TERMS</Name>
 <Searchable>>false</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>VENDOR NAME</Name>
 <Searchable>>true</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
<AXCAQField>
 <Name>VENDOR NUMBER</Name>
 <Searchable>>true</Searchable>
 <Displayable>>true</Displayable>
</AXCAQField>
</Fields>
</AXCAQConfig>
```

## AXDoc

The AXDoc resource represents an AX document that can be accessed from the AXQueryResultItem resource, or returned from the creating document operation on the AXBatch resource.

### Resource URI

Variable	Description
URI (GET, PUT, DELETE)	api/axdatasources/{dsn}/axapps/{appid}/axdocs/{docid}
URI (POST)	api/axdatasources/{dsn}/axdocs/{appid}
URI (POST)	api/axdatasources/{dsn}/axdocs
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number

### Resource Properties

Properties	Description
ID	AX document ID
PageCount	AX document page count
Attributes	AX document attributes
WorkingCopy	True if the document is a working copy
SubmitFullText	Submit a full text job (using in PUT action)
FulltextQueue	Full text queue name (using in PUT action)
SubmitOCR	Submit a ocr job (using in PUT action)
OCRQueue	OCR queue name (using in PUT action)

### Link Relations in this Resource

The following link relations are used to access the other resources linked to AXDoc.

Link Relations	Description
self	Points to the AXDoc itself
<a href="http://identifiers.emc.com/linkrel/application">http://identifiers.emc.com/linkrel/application</a>	Points to an AXApplication resource
<a href="http://identifiers.emc.com/linkrel/indexes">http://identifiers.emc.com/linkrel/indexes</a>	Returns a collection of AXDocIndex resource

<a href="http://identifiers.emc.com/linkrel/doc-pages">http://identifiers.emc.com/linkrel/doc-pages</a>	Points to a collection of doc-pages
<a href="http://identifiers.emc.com/linkrel/odma">http://identifiers.emc.com/linkrel/odma</a>	Points to an AXDocODMA resource
<a href="http://identifiers.emc.com/linkrel/thumbnail">http://identifiers.emc.com/linkrel/thumbnail</a>	Points to an AXDocThumbnails resource
<a href="http://identifiers.emc.com/linkrel/doc-viewer">http://identifiers.emc.com/linkrel/doc-viewer</a>	Points to the WebAccess viewer link if it is in the integrated REST service
<a href="http://identifiers.emc.com/linkrel/doc-print">http://identifiers.emc.com/linkrel/doc-print</a>	Points to AX pages bin file export result resource
<a href="http://identifiers.emc.com/linkrel/retention-doc">http://identifiers.emc.com/linkrel/retention-doc</a>	Points to an AX retention document resource
<a href="http://identifiers.emc.com/linkrel/export-job">http://identifiers.emc.com/linkrel/export-job</a>	Post to create a document export job
version-history	Points to the AXDocRevisionHistory resource
working-copy	Points to a working copy resource used to check out the document

### Operations

The AXDoc resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXDoc resource
POST	Create a new AXDoc from batch
POST	Create a new document which is a copy of a specified source document
PUT	Submit full text or OCR job
DELETE	Delete an AX Doc

### Get the AXDoc Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 404 – Not Found
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "WorkingCopy": false,
 "ID": 3,
 "PageCount": 3,
 "Attributes": {
 "RecycledBy": "KSD1",
 "IsRecycled": true
 },
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/application",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/indexes",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc-pages",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma",
```

```

 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/3"
 },
 {
 "rel": "working-copy",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/3"
 }
]
}
}

```

- **application/vnd.emc.ax+xml**

```

<AXDoc xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/3"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
 <link rel="http://identifiers.emc.com/linkrel/indexes"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/3" />
 <link rel="http://identifiers.emc.com/linkrel/doc-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/3" />
 <link rel="http://identifiers.emc.com/linkrel/odma"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/3" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/3" />
 <link rel="working-copy"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/3" />
 <WorkingCopy>false</WorkingCopy>
 <ID>3</ID>
 <PageCount>3</PageCount>
 <Attributes>3
 </Attributes>
 <RecycledBy>KSD1</RecycledBy>
 <IsRecycled>true</IsRecycled >
 <Attributes />
</AXDoc>

```

### Create a new AXDoc Resource via posting bin, annotation, text files in multipart form format

In the HTTP request header, client needs to specify content type to be multipart/form\_data, as well as the multipart boundary (the boundary can be different). Then in the HTTP request body, client needs to include several parts, the part of meta data, as well as bin files, annotation, text files. Please note the form name in each part's Content-Disposition header must be one of the following: data, bin, annotation, text. Data is for meta data in json, and bin, annotation, text are for different types of bin files. Each annotation and text part are optional. Multiple pages can be arranged in order and submitted in one request.

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

## Query Parameters

Parameter	Description
nativetype	Optional, true if you want to submit the index value as native type for integer, decimal and currency. Default is false.
ImportOption	Bin file import option: 0x01: Inspect PDF file for errors. 0x02: Decrypt password secured PDF if possible. 0x04: Save plain text as compressed text with optional form name. 0x08: Save plain text as uncompressed text.
COLDFormName	Optional form name.

## Request Headers

- Accept
- Content-Type: multipart/form-data; boundary="9249d237-2845-4b27-b720-28188d0b5089"

## Request Body

- multipart/form-data  
--9249d237-2845-4b27-b720-28188d0b5089  
Content-Type: application/vnd.emc.ax+json; charset=utf-8  
Content-Disposition: form-data; name=data  
/\*Creation meta data part in JSON\*/  
--9249d237-2845-4b27-b720-28188d0b5089  
Content-Type: application/bin  
Content-Disposition: form-data; name=bin; filename=multipage11.tif; filename\*=utf-8"multipage11.tif  
/\*Page 1, bin file\*/  
--9249d237-2845-4b27-b720-28188d0b5089  
Content-Type: application/bin  
Content-Disposition: form-data; name=annotation; filename=01000002.ano  
/\*Page 1, annotation file\*/  
--9249d237-2845-4b27-b720-28188d0b5089  
Content-Type: application/bin  
Content-Disposition: form-data; name=text; filename=11.txt.tif  
/\*Page 1, text file\*/  
--9249d237-2845-4b27-b720-28188d0b5089  
...(more parts if they have multiple pages)

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type

- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json
 

```
{
 "WorkingCopy": false,
 "ID": 33,
 "PageCount": 1,
 "Attributes": {},
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/application",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/indexes",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc-pages",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/33"
 },
 {
 "rel": "working-copy",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/33"
 }
]
}
```
- application/vnd.emc.ax+xml
 

```
<AXDoc xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/33"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
 <link rel="http://identifiers.emc.com/linkrel/indexes"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/33" />
 <link rel="http://identifiers.emc.com/linkrel/doc-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/33" />
 <link rel="http://identifiers.emc.com/linkrel/odma"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/33" />
```

```

<link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/33" />
<link rel="working-copy"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/33" />
<WorkingCopy>false</WorkingCopy>
<ID>33</ID>
<PageCount>1</PageCount>
<Attributes />
</AXDoc>

```

## Create a new AXDoc Resource from batch

This API is used to index a AX batch document to AX document.

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- POST

### Query Parameters

Parameter	Description
nativetype	Optional, true if you want to submit the index value as native type for integer, decimal and currency. Default is false.
ImportOption	Bin file import option: 0x01: Inspect PDF file for errors. 0x02: Decrypt password secured PDF if possible. 0x04: Save plain text as compressed text with optional form name. 0x08: Save plain text as uncompressed text.
COLDFormName	Optional form name.

### Request Headers

- Accept

### Request Body

- application/vnd.emc.ax+json

```

{
 "TargetDoc": {
 "ID": 0,
 },
 "NewIndex": {
 "indexid": 0,
 "values": [
 {
 "FieldID": "field1",
 "FieldValue": "21212"
 },
 {
 "FieldID": "field2",

```

```

 "FieldValue": "Song"
 },
 {
 "FieldID": "field3",
 "FieldValue": "Bruce"
 }
]
},
"FromBatch": {
 "ID": 7,
},
"BatchPageNum": 0,
"PageRange": "",
"IgnoreDuplicateIndex": false,
"IgnoreDIsViolation": false,
"MergeDuplicateIndex": false,
"SubmitFullText": false,
}

```

In the above request body, PageRange, SubmitFullText and MergeDuplicateIndex property are added in 20.3 release.

PageRange	When indexing a batch to a document, client can specify the PageRange parameter to only index specified batch pages. If this parameter is not specified, REST Services checks the BatchPageNum and import that one page. If both are not specified, all batches are attached to the new document. Format: "1,3,7-9,12-33,44,55".
SubmitFullText	True to trigger full text index after document created.
MergeDuplicateIndex	Only valid if IgnoreDuplicateIndex is false. True to merge the new document to the first matched duplicated index document. False to throw exception back to client.

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json
 

```

{
 "WorkingCopy": false,
 "ID": 33,
 "PageCount": 1,
 "Attributes": {},
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",

```

```

 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/application",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/indexes",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc-pages",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/33"
 },
 {
 "rel": "working-copy",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/33"
 }
}
]
}

```

- application/vnd.emc.ax+xml

```

<AXDoc xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/33"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
 <link rel="http://identifiers.emc.com/linkrel/indexes"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/33" />
 <link rel="http://identifiers.emc.com/linkrel/doc-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/33" />
 <link rel="http://identifiers.emc.com/linkrel/odma"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/33" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/33" />
 <link rel="working-copy"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/33" />
 <WorkingCopy>false</WorkingCopy>
 <ID>33</ID>
 <PageCount>1</PageCount>
 <Attributes />
</AXDoc>

```

Create a new document which is a copy of a specified source document

The HTTP method, query parameters, and headers that are supported by this resource are described below.

## HTTP Method

- POST

## Query Parameters

Parameter	Description
srcapp	Source application id. Must be different from the current application
srcdoc	Source document id
nativetype	Optional, whether provided indexes in the request body uses native type value. Default is false, and please use the NewIndex in request body. If true, please use the NativeNewIndex in request body. (If the indexes missed from the request body, it tries to copy the source document's indexes) Default is false.

## Request Headers

- Accept

## Request Body

- application/vnd.emc.ax+json

```
{
 "TargetDoc": {
 "ID": 0,
 },
 "NativeNewIndex": {
 "indexid": 0,
 "values": [
 {
 "FieldID": "field1",
 "FieldValue": "21212"
 },
 {
 "FieldID": "field2",
 "FieldValue": "Song"
 },
 {
 "FieldID": "field3",
 "FieldValue": "Bruce"
 }
]
 },
 "FromBatch": {
 "ID": 7,
 },
 "BatchPageNum": 0,
 "IgnoreDuplicateIndex": false,
 "IgnoreDIsViolation": false
}
```

## Response Headers

- Content-Length

- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 403 – Forbidden
- 409 – Conflict
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json
 

```
{
 "WorkingCopy": false,
 "ID": 33,
 "PageCount": 1,
 "Attributes": {},
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/application",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/indexes",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc-pages",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/33"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/33"
 },
 {
 "rel": "working-copy",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/33"
 }
]
}
```

- }
  - application/vnd.emc.ax+xml
 

```

<AXDoc xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/33"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
 <link rel="http://identifiers.emc.com/linkrel/indexes"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/33" />
 <link rel="http://identifiers.emc.com/linkrel/doc-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/33" />
 <link rel="http://identifiers.emc.com/linkrel/odma"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/33" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/33" />
 <link rel="working-copy"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/33" />
 <WorkingCopy>false</WorkingCopy>
 <ID>33</ID>
 <PageCount>1</PageCount>
 <Attributes />
</AXDoc>

```

## Modify the AXDoc Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- PUT

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

- application/vnd.emc.ax+json (Submit full text job)
 

```

{
 "ID": 3,
 "SubmitFulltext": true,
}

```
- application/vnd.emc.ax+json (Submit orc job)
 

Submit OCR Job

```

{
 "ID": 3,
 "SubmitOCR": true,
}

```

### Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "WorkingCopy": false,
 "ID": 3,
 "PageCount": 3,
 "Attributes": {},
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/application",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/indexes",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc-pages",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/3"
 },
 {
 "rel": "working-copy",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/3"
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXDoc xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/3"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
 <link rel="http://identifiers.emc.com/linkrel/indexes"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/3" />
 <link rel="http://identifiers.emc.com/linkrel/doc-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/3" />
 <link rel="http://identifiers.emc.com/linkrel/odma"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/3" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/3" />
 <link rel="working-copy"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocWorkingCopy/3" />
 <WorkingCopy>false</WorkingCopy>
 <ID>3</ID>
 <PageCount>3</PageCount>
 <Attributes />
</AXDoc>
```

## Delete the AXDoc Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- DELETE

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

NA

### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

NA

## AXDocWorkingCopy

The AXDocWorkingCopy resource represents an AX checked out document that can be accessed from the AXDoc resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocworkingcopy/{docid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number

### Resource Properties

Properties	Description
ID	AX document ID
PageCount	AX document page count
Attributes	AX document attributes
WorkingCopy	True if the document is a working copy
SubmitFullText	Submit a full text job (using in PUT action)
FulltextQueue	Full text queue name (using in PUT action)
SubmitOCR	Submit a ocr job (using in PUT action)
OCRQueue	OCR queue name (using in PUT action)

### Link Relations in this Resource

The following link relations are used to access the other resources linked to AXDoc.

Link Relations	Description
self	Points to the checked out document. Delete action on this will cancel the check out.
<a href="http://identifiers.emc.com/linkrel/application">http://identifiers.emc.com/linkrel/application</a>	Points to an AXApplication resource
<a href="http://identifiers.emc.com/linkrel/indexes">http://identifiers.emc.com/linkrel/indexes</a>	Returns a collection of AXDocIndex resource

<a href="http://identifiers.emc.com/linkrel/doc-pages">http://identifiers.emc.com/linkrel/doc-pages</a>	Points to a collection of doc-pages
<a href="http://identifiers.emc.com/linkrel/odma">http://identifiers.emc.com/linkrel/odma</a>	Points to an AXDocODMA resource
<a href="http://identifiers.emc.com/linkrel/thumbnail">http://identifiers.emc.com/linkrel/thumbnail</a>	Points to an AXDocThumbnails resource
version-history	Points to the AXDocRevisionHistory resource. POST action on this will check in the modified document.
working-copy-of	Points to the original document resource of the working copy.

### Operations

The AXDoc resource supports the following HTTP methods.

Method	Description
POST	Check out a document
POST	Check out the specified document, copy contents and indexes from specified source doc and return a working copy. If the document has already been checked out, an exception will be thrown
GET	Resume check out of a document
DELETE	Cancel check out

### Check out document

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

Parameter	Description
comment	Check out comment

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 404 – Not Found
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "WorkingCopy": true,
 "ID": 27,
 "PageCount": 3,
 "Attributes": {
 "Checkedout": true
 },
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/application",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/indexes",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc-pages",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/27"
 },
 {
 "rel": "working-copy-of",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDoc/4"
 },
 {
 "rel": "version-history",
```

```

 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRevisions/27"
 }
]
}

```

- application/vnd.emc.ax+xml

```

<AXDoc xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/27"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
 <link rel="http://identifiers.emc.com/linkrel/indexes"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/27" />
 <link rel="http://identifiers.emc.com/linkrel/doc-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/27" />
 <link rel="http://identifiers.emc.com/linkrel/odma"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/27" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/27" />
 <link rel="working-copy-of" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDoc/4"
/>
 <link rel="version-history"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRevisions/27" />
 <WorkingCopy>true</WorkingCopy>
 <ID>27</ID>
 <PageCount>3</PageCount>
 <Attributes Checkedout="true" />
</AXDoc>

```

[Check out document and copy contents from source document](#)

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

Parameter	Description
srcapp	The source application id
srcdoc	The source document id
comment	Check out comment

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 404 – Not Found
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "WorkingCopy": true,
 "ID": 27,
 "PageCount": 3,
 "Attributes": {
 "Checkedout": true
 },
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/application",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/indexes",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc-pages",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/27"
 },
 {
 "rel": "working-copy-of",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDoc/4"
 },
 {
 "rel": "version-history",
```

```

 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRevisions/27"
 }
]
}

```

- **application/vnd.emc.ax+xml**

```

<AXDoc xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/27"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
 <link rel="http://identifiers.emc.com/linkrel/indexes"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/27" />
 <link rel="http://identifiers.emc.com/linkrel/doc-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/27" />
 <link rel="http://identifiers.emc.com/linkrel/odma"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/27" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/27" />
 <link rel="working-copy-of" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDoc/4"
/>
 <link rel="version-history"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRevisions/27" />
 <WorkingCopy>true</WorkingCopy>
 <ID>27</ID>
 <PageCount>3</PageCount>
 <Attributes Checkedout="true" />
</AXDoc>

```

## Resume check out document

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 404 – Not Found
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "WorkingCopy": true,
 "ID": 27,
 "PageCount": 3,
 "Attributes": {
 "Checkedout": true
 },
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/application",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/indexes",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc-pages",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/odma",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/27"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/27"
 },
 {
 "rel": "working-copy-of",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDoc/4"
 },
 {
 "rel": "version-history",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRevisions/27"
 }
]
}
```

- application/vnd.emc.ax+xml
 

```

<AXDoc xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/27"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/application"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11" />
 <link rel="http://identifiers.emc.com/linkrel/indexes"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/27" />
 <link rel="http://identifiers.emc.com/linkrel/doc-pages"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPages/27" />
 <link rel="http://identifiers.emc.com/linkrel/odma"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocODMA/27" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocThumbnails/27" />
 <link rel="working-copy-of" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDoc/4"
/>
 <link rel="version-history"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRevisions/27" />
 <WorkingCopy>true</WorkingCopy>
 <ID>27</ID>
 <PageCount>3</PageCount>
 <Attributes Checkedout="true" />
</AXDoc>

```

### Cancel check out

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- DELETE

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

NA

### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found

- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

NA

## AXRetentionDocs

The AXRetentionDocs resource represents an AX document under retention which can be accessed from the AXDoc resource.

#### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axretentiondocs/{docid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number

#### Resource Properties

Properties	Description
IsRetention	Indicates whether the AX document is under retention
RetentionStartDate	The retention start date
RetentionEndDate	The retention end date

#### Link Relations in this Resource

NA

#### Operations

The AXRetentionDocs resource supports the following HTTP methods.

Method	Description
POST	File an AX document to retention
GET	Get the retention information of a document already under retention

#### File a document to retention

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

## Query Parameters

Parameter	Description
policyID	Optional, the policy ID used to file retention. Default is empty and the default policy of this application will be used.

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 404 – Not Found
- 401 – Unauthorized
- 409 – Conflict
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "IsRetention": true,
 "RetentionStartDate": "2017-07-02T12:08:00.7492038Z",
 "RetentionEndDate": "9999-12-31T23:59:59.9999999Z",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXApps/178/AXRetentionDocs/1"
 }
]
}
```
- application/vnd.emc.ax+xml

## Get retention information of a document under retention

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 404 – Not Found
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json

```
{
 "IsRetention": true,
 "RetentionStartDate": "2017-07-02T12:08:00.7492038Z",
 "RetentionEndDate": "9999-12-31T23:59:59.9999999Z",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXApps/178/AXRetentionDocs/1"
 }
]
}
```
- application/vnd.emc.ax+xml

## AXDocIndexes

The AXDocIndexes resource represents a list of an AX document's indexes that can be accessed from the AXDoc resource.

### Resource URI

Variable	Description
----------	-------------

URI	api/axdatasources/{dsn}/axapps/{appid}/axdocindexes/{docid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number

#### Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX document index.

#### Link Relations in this Resources

The following link relations are used to access the other resources linked to AXDocIndex.

Link Relations	Description
self	Points to the AXDocIndexes resource itself
http://identifiers.emc.com/linkrel/doc	Points to the AXDoc resource

#### Operations

The AXDocIndexes resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXDocIndexes resource
POST	Create a new AX document index

#### Get the AXDocIndexes Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

Parameter	Description
nativetype	True if you want to return the index value as native type for integer, decimal and currency.

#### Request Headers

- Accept

#### Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

## Response Status

- 200 – OK
- 400 – Bad Request
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "id": "94c7208c-8245-4e45-b6c5-2fb0bca5b88b",
 "updated": "2016-05-16T00:38:51.2929688Z",
 "entries": [
 {
 "indexid": -1344560544,
 "values": [
 {
 "FieldID": "field1",
 "FieldValue": "2004-08-13 13:02:12"
 },
 {
 "FieldID": "field2",
 "FieldValue": "31007"
 },
 {
 "FieldID": "field3",
 "FieldValue": "MOUNTAIN OFFICE SUPPLY"
 },
 {
 "FieldID": "field4",
 "FieldValue": "6565 S. BOSTON ST. ENGLEWOOD, CO 80111"
 },
 {
 "FieldID": "field5",
 "FieldValue": "88173"
 },
 {
 "FieldID": "field6",
 "FieldValue": "$2437.38"
 },
 {
 "FieldID": "field7",
```

```
"FieldValue": "2004-08-20"
},
{
 "FieldID": "field8",
 "FieldValue": "NET 30"
},
{
 "FieldID": "field9",
 "FieldValue": "2004-09-19"
},
{
 "FieldID": "field10",
 "FieldValue": "CHECK"
},
{
 "FieldID": "field11",
 "FieldValue": ""
},
{
 "FieldID": "field12",
 "FieldValue": ""
},
{
 "FieldID": "field13",
 "FieldValue": "0200"
},
{
 "FieldID": "field14",
 "FieldValue": "OFFICE SUPPLIES"
},
{
 "FieldID": "field15",
 "FieldValue": "1"
},
{
 "FieldID": "field16",
 "FieldValue": "$949.50"
},
{
 "FieldID": "field17",
 "FieldValue": "13001"
},
{
 "FieldID": "field18",
 "FieldValue": "1"
},
{
 "FieldID": "field19",
 "FieldValue": "JEFF"
},
{
 "FieldID": "field20",
 "FieldValue": "INVOICE"
}
}
```

```
],
"links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/101/AXDocIndexes/6/-1344560544"
 }
]
},
{
 "indexid": -69672245,
 "values": [
 {
 "FieldID": "field1",
 "FieldValue": "2004-08-13 13:02:12"
 },
 {
 "FieldID": "field2",
 "FieldValue": "31007"
 },
 {
 "FieldID": "field3",
 "FieldValue": "MOUNTAIN OFFICE SUPPLY"
 },
 {
 "FieldID": "field4",
 "FieldValue": "6565 S. BOSTON ST. ENGLEWOOD, CO 80111"
 },
 {
 "FieldID": "field5",
 "FieldValue": "88173"
 },
 {
 "FieldID": "field6",
 "FieldValue": "$2437.38"
 },
 {
 "FieldID": "field7",
 "FieldValue": "2004-08-20"
 },
 {
 "FieldID": "field8",
 "FieldValue": "NET 30"
 },
 {
 "FieldID": "field9",
 "FieldValue": "2004-09-19"
 },
 {
 "FieldID": "field10",
 "FieldValue": "CHECK"
 },
 {
 "FieldID": "field11",
 "FieldValue": ""
 }
]
}
```

```
 },
 {
 "FieldID": "field12",
 "FieldValue": ""
 },
 {
 "FieldID": "field13",
 "FieldValue": "0800"
 },
 {
 "FieldID": "field14",
 "FieldValue": "OFFICE EQUIPMENT"
 },
 {
 "FieldID": "field15",
 "FieldValue": "2"
 },
 {
 "FieldID": "field16",
 "FieldValue": "$55.86"
 },
 {
 "FieldID": "field17",
 "FieldValue": ""
 },
 {
 "FieldID": "field18",
 "FieldValue": "0"
 },
 {
 "FieldID": "field19",
 "FieldValue": "JEFF"
 },
 {
 "FieldID": "field20",
 "FieldValue": "INVOICE"
 }
],
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/101/AXDocIndexes/6/-69672245"
 }
]
},
"@base": "http://localhost",
"links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/101/AXDocIndexes/6"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
```

```
"href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/101/AXDocs/6"
 }
]
}
```

- application/vnd.emc.ax+xml

```
<AXDocIndexes xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/101/AXDocIndexes/6"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/101/AXDocs/6" />
 <Id>7d4365b0-673c-4040-9819-788059eb7508</Id>
 <LastUpdated>2016-05-16T00:38:56.6259766Z</LastUpdated>
 <Entries>
 <AXDocIndex href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/101/AXDocIndexes/6/-
1344560544">
 <indexid>-1344560544</indexid>
 <values>
 <FieldID>field1</FieldID>
 <FieldValue>2004-08-13 13:02:12</FieldValue>
 </values>
 <values>
 <FieldID>field2</FieldID>
 <FieldValue>31007</FieldValue>
 </values>
 <values>
 <FieldID>field3</FieldID>
 <FieldValue>MOUNTAIN OFFICE SUPPLY</FieldValue>
 </values>
 <values>
 <FieldID>field4</FieldID>
 <FieldValue>6565 S. BOSTON ST. ENGLEWOOD, CO 80111</FieldValue>
 </values>
 <values>
 <FieldID>field5</FieldID>
 <FieldValue>88173</FieldValue>
 </values>
 <values>
 <FieldID>field6</FieldID>
 <FieldValue>$2437.38</FieldValue>
 </values>
 <values>
 <FieldID>field7</FieldID>
 <FieldValue>2004-08-20</FieldValue>
 </values>
 <values>
 <FieldID>field8</FieldID>
 <FieldValue>NET 30</FieldValue>
 </values>
 <values>
 <FieldID>field9</FieldID>
 <FieldValue>2004-09-19</FieldValue>
 </values>
 </values>
 </values>
</AXDocIndex>
</Entries>
</AXDocIndexes>
```

```
<FieldID>field10</FieldID>
<FieldValue>CHECK</FieldValue>
</values>
<values>
 <FieldID>field11</FieldID>
 <FieldValue />
</values>
<values>
 <FieldID>field12</FieldID>
 <FieldValue />
</values>
<values>
 <FieldID>field13</FieldID>
 <FieldValue>0200</FieldValue>
</values>
<values>
 <FieldID>field14</FieldID>
 <FieldValue>OFFICE SUPPLIES</FieldValue>
</values>
<values>
 <FieldID>field15</FieldID>
 <FieldValue>1</FieldValue>
</values>
<values>
 <FieldID>field16</FieldID>
 <FieldValue>$949.50</FieldValue>
</values>
<values>
 <FieldID>field17</FieldID>
 <FieldValue>13001</FieldValue>
</values>
<values>
 <FieldID>field18</FieldID>
 <FieldValue>1</FieldValue>
</values>
<values>
 <FieldID>field19</FieldID>
 <FieldValue>JEFF</FieldValue>
</values>
<values>
 <FieldID>field20</FieldID>
 <FieldValue>INVOICE</FieldValue>
</values>
</AXDocIndex>
<AXDocIndex href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/101/AXDocIndexes/6/-69672245">
 <indexid>-69672245</indexid>
 <values>
 <FieldID>field1</FieldID>
 <FieldValue>2004-08-13 13:02:12</FieldValue>
 </values>
 <values>
 <FieldID>field2</FieldID>
 <FieldValue>31007</FieldValue>
```

</values>  
<values>  
 <FieldID>field3</FieldID>  
 <FieldValue>MOUNTAIN OFFICE SUPPLY</FieldValue>  
</values>  
<values>  
 <FieldID>field4</FieldID>  
 <FieldValue>6565 S. BOSTON ST. ENGLEWOOD, CO 80111</FieldValue>  
</values>  
<values>  
 <FieldID>field5</FieldID>  
 <FieldValue>88173</FieldValue>  
</values>  
<values>  
 <FieldID>field6</FieldID>  
 <FieldValue>\$2437.38</FieldValue>  
</values>  
<values>  
 <FieldID>field7</FieldID>  
 <FieldValue>2004-08-20</FieldValue>  
</values>  
<values>  
 <FieldID>field8</FieldID>  
 <FieldValue>NET 30</FieldValue>  
</values>  
<values>  
 <FieldID>field9</FieldID>  
 <FieldValue>2004-09-19</FieldValue>  
</values>  
<values>  
 <FieldID>field10</FieldID>  
 <FieldValue>CHECK</FieldValue>  
</values>  
<values>  
 <FieldID>field11</FieldID>  
 <FieldValue />  
</values>  
<values>  
 <FieldID>field12</FieldID>  
 <FieldValue />  
</values>  
<values>  
 <FieldID>field13</FieldID>  
 <FieldValue>0800</FieldValue>  
</values>  
<values>  
 <FieldID>field14</FieldID>  
 <FieldValue>OFFICE EQUIPMENT</FieldValue>  
</values>  
<values>  
 <FieldID>field15</FieldID>  
 <FieldValue>2</FieldValue>  
</values>  
<values>

```

 <FieldID>field16</FieldID>
 <FieldValue>$55.86</FieldValue>
 </values>
 <values>
 <FieldID>field17</FieldID>
 <FieldValue />
 </values>
 <values>
 <FieldID>field18</FieldID>
 <FieldValue>0</FieldValue>
 </values>
 <values>
 <FieldID>field19</FieldID>
 <FieldValue>JEFF</FieldValue>
 </values>
 <values>
 <FieldID>field20</FieldID>
 <FieldValue>INVOICE</FieldValue>
 </values>
</AXDocIndex>
</Entries>
<Count xsi:nil="true" />
</AXDocIndexes>

```

### Create a new AXDocIndex Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

Parameter	Description
FailIfMatchIndex	Optional, true to perform match index validation. Default is false.
FailIfDLSViolation	Optional, true to perform Doc Level Security validation. Default is false.
nativetype	Optional, true if you want to submit the index value as native type for integer, decimal and currency. Default is false.

#### Request Headers

- Accept

#### Request Body

- AXDocIndex
 

```

 {
 "values": [
 {

```

```
 "FieldID": 1,
 "FieldValue": "21212"
 },
 {
 "FieldID": 2,
 "FieldValue": "KEYES"
 },
 {
 "FieldID": 3,
 "FieldValue": "TANDRA"
 },
 {
 "FieldID": 4,
 "FieldValue": "012-21-3475"
 },
 {
 "FieldID": 5,
 "FieldValue": "200403"
 },
 {
 "FieldID": 6,
 "FieldValue": "STUDENT ID CARD"
 },
 {
 "FieldID": 7,
 "FieldValue": "2004-09-10"
 },
 {
 "FieldID": 8,
 "FieldValue": "TANDY"
 }
]
}
```

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 201 – Created
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json  
{  
 "indexid": 0,

```

"values": [
 {
 "FieldID": "field1",
 "FieldValue": "21212"
 },
 {
 "FieldID": "field2",
 "FieldValue": "KEYES"
 },
 {
 "FieldID": "field3",
 "FieldValue": "TANDRA"
 },
 {
 "FieldID": "field4",
 "FieldValue": "012-21-3475"
 },
 {
 "FieldID": "field5",
 "FieldValue": "200403"
 },
 {
 "FieldID": "field6",
 "FieldValue": "STUDENT ID CARD"
 },
 {
 "FieldID": "field7",
 "FieldValue": "2004-09-10"
 },
 {
 "FieldID": "field8",
 "FieldValue": "TANDY"
 }
],
"@base": "http://localhost",
"links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/1/0"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/1"
 }
]
}

```

- application/vnd.emc.ax+xml

```

<AXDocIndex xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/1/0"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/1" />
 <indexid>0</indexid>
 <values>

```

```

<FieldID>field1</FieldID>
<FieldValue>21212</FieldValue>
</values>
<values>
<FieldID>field2</FieldID>
<FieldValue>KEYES</FieldValue>
</values>
<values>
<FieldID>field3</FieldID>
<FieldValue>TANDRA</FieldValue>
</values>
<values>
<FieldID>field4</FieldID>
<FieldValue>012-21-3475</FieldValue>
</values>
<values>
<FieldID>field5</FieldID>
<FieldValue>200403</FieldValue>
</values>
<values>
<FieldID>field6</FieldID>
<FieldValue>STUDENT ID CARD</FieldValue>
</values>
<values>
<FieldID>field7</FieldID>
<FieldValue>2004-09-10</FieldValue>
</values>
<values>
<FieldID>field8</FieldID>
<FieldValue>TANDY</FieldValue>
</values>
</AXDocIndex>

```

## AXDocIndex

The AXDocIndex resource represents an index of an AX document that can be accessed from the AXDocIndexes resource's entries.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocindexes/{docid}/{indexid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number
{indexid}	The document index ID number

### Resource Properties

Properties	Description
------------	-------------

IndexId	The document index ID
IndexValues	This is a collection of FieldID and FieldValue pairs

#### Link Relations in this Resources

The following link relations are used to access the other resources linked to AXDocIndex.

Link Relations	Description
self	Points to the AXDocIndex itself
<a href="http://identifiers.emc.com/linkrel/doc">http://identifiers.emc.com/linkrel/doc</a>	Points to the AXDoc resource

#### Operations

The AXDocIndex resource supports the following HTTP methods.

Method	Description
GET	Retrieve the AXDocIndex resource
PUT	Modify the AXDocIndex resource
DELETE	Delete the AXDocIndex resource

#### Get the AXDocIndex Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

Parameter	Description
nativetype	True if you want to return the index value as native type for integer, decimal and currency.

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json

- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 200 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json

```
{
 "indexid": 0,
 "values": [
 {
 "FieldID": "field1",
 "FieldValue": "21212"
 },
 {
 "FieldID": "field2",
 "FieldValue": "KEYES"
 },
 {
 "FieldID": "field3",
 "FieldValue": "TANDRA"
 },
 {
 "FieldID": "field4",
 "FieldValue": "012-21-3475"
 },
 {
 "FieldID": "field5",
 "FieldValue": "200403"
 },
 {
 "FieldID": "field6",
 "FieldValue": "STUDENT ID CARD"
 },
 {
 "FieldID": "field7",
 "FieldValue": "2004-09-10"
 },
 {
 "FieldID": "field8",
 "FieldValue": "TANDY"
 }
],
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/1/0"
 }
],
}
```

```

 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/1"
 }
]
}

```

- **application/vnd.emc.applicationxtender+xml**

```

<AXDocIndex xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocIndexes/1/0"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocs/1" />
 <indexid>0</indexid>
 <values>
 <FieldID>field1</FieldID>
 <FieldValue>21212</FieldValue>
 </values>
 <values>
 <FieldID>field2</FieldID>
 <FieldValue>KEYES</FieldValue>
 </values>
 <values>
 <FieldID>field3</FieldID>
 <FieldValue>TANDRA</FieldValue>
 </values>
 <values>
 <FieldID>field4</FieldID>
 <FieldValue>012-21-3475</FieldValue>
 </values>
 <values>
 <FieldID>field5</FieldID>
 <FieldValue>200403</FieldValue>
 </values>
 <values>
 <FieldID>field6</FieldID>
 <FieldValue>STUDENT ID CARD</FieldValue>
 </values>
 <values>
 <FieldID>field7</FieldID>
 <FieldValue>2004-09-10</FieldValue>
 </values>
 <values>
 <FieldID>field8</FieldID>
 <FieldValue>TANDY</FieldValue>
 </values>
</AXDocIndex>

```

### Modify the AXDocIndex Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- PUT

## Query Parameters

Parameter	Description
FailIfMatchIndex	Optional, true to perform match index validation. Default is false.
FailIfDLSViolation	Optional, true to perform Doc Level Security validation. Default is false.
nativetype	Optional, true if you want to submit the index value as native type for integer, decimal and currency. Default is false.

## Request Headers

- Accept

## Request Body

- AXDocIndex

```
{
 "indexid": 695837331,
 "values": [
 {
 "FieldID": 1,
 "FieldValue": "21212"
 },
 {
 "FieldID": 2,
 "FieldValue": "KEYES"
 },
 {
 "FieldID": 3,
 "FieldValue": "TANDRA"
 },
 {
 "FieldID": 4,
 "FieldValue": "012-21-3475"
 },
 {
 "FieldID": 5,
 "FieldValue": "200403"
 },
 {
 "FieldID": 6,
 "FieldValue": "STUDENT ID CARD"
 },
 {
 "FieldID": 7,
 "FieldValue": "2004-09-10"
 },
 {
 "FieldID": 8,
 "FieldValue": "TANDY"
 }
]
}
```

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "indexid": 695837331,
 "values": [
 {
 "FieldID": 1,
 "FieldValue": "21212"
 },
 {
 "FieldID": 2,
 "FieldValue": "KEYES"
 },
 {
 "FieldID": 3,
 "FieldValue": "TANDRA"
 },
 {
 "FieldID": 4,
 "FieldValue": "012-21-3475"
 },
 {
 "FieldID": 5,
 "FieldValue": "200403"
 },
 {
 "FieldID": 6,
 "FieldValue": "STUDENT ID CARD"
 },
 {
 "FieldID": 7,
 "FieldValue": "2004-09-10"
 },
 {
 "FieldID": 8,
 "FieldValue": "TANDY"
 }
]
}
```

```

],
"@base": "http://localhost",
"links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocIndexes/1/695837331"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/1"
 }
]
}
}

```

- application/vnd.emc.ax+xml

```

<AXDocIndex xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocIndexes/1/695837331"
baseurl="http://localhost">
 <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/1" />
 <indexid>695837331</indexid>
 <values>
 <FieldID>1</FieldID>
 <FieldValue>21212</FieldValue>
 </values>
 <values>
 <FieldID>2</FieldID>
 <FieldValue>KEYES</FieldValue>
 </values>
 <values>
 <FieldID>3</FieldID>
 <FieldValue>TANDRA</FieldValue>
 </values>
 <values>
 <FieldID>4</FieldID>
 <FieldValue>012-21-3475</FieldValue>
 </values>
 <values>
 <FieldID>5</FieldID>
 <FieldValue>200403</FieldValue>
 </values>
 <values>
 <FieldID>6</FieldID>
 <FieldValue>STUDENT ID CARD</FieldValue>
 </values>
 <values>
 <FieldID>7</FieldID>
 <FieldValue>2004-09-10</FieldValue>
 </values>
 <values>
 <FieldID>8</FieldID>
 <FieldValue>TANDY</FieldValue>
 </values>
</AXDocIndex>

```

## Delete the AXDocIndex Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- DELETE

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

NA

### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

NA

## AXDocODMA

The AXDocODMA resource represents AX ODMA properties of a document that can be accessed from the AXDoc resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocodma/{docid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number

### Resource Properties

Properties	Description
------------	-------------

Name	Document title
Author	Document author
Subject	Document subject
Comment	Document comment
Created	The created time
Creator	The creator
Modified	The last modified time
Modifier	The last modifier
KeyWords	Document keywords

#### [Link Relations in this Resources](#)

The following link relations are used to access the other resources linked to AXDocODMA:

Link Relations	Description
self	Points to the AXDocODMA itself
<a href="http://identifiers.emc.com/linkrel/doc">http://identifiers.emc.com/linkrel/doc</a>	Points to the AXDoc resource

#### [Operations](#)

The AXDocODMA resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXDocODMA resource

#### [Get the AXDocODMA Resource](#)

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### [HTTP Method](#)

- GET

#### [Query Parameters](#)

NA

#### [Request Headers](#)

- Accept

#### [Request Body](#)

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "Name": "Test",
 "Author": "Bruce Song",
 "Subject": "REST Documentation",
 "Creator": "Bruce",
 "Modifier": "User A",
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocODMA/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/1"
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXDocODMA xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocODMA/1" baseurl="http://localhost">
 <link rel="http://identifiers.emc.com/linkrel/doc"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/1" />
 <Name>Test</Name>
 <Author>Bruce</Author>
 <Subject>REST</Subject>
 <Comment>Long long comment</Comment>
 <Creator>Bruce</Creator>
 <Modifier>Bruce</Modifier>
</AXDocODMA>
```

## AXDocRevisionHistory

The AXDocRevisionHistory resource represents the revision history of an AX document that can be accessed from the AXDoc resource.

## Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocrevisions/{docid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number

## Resource Properties

Properties	Description
CurrentDocRevision	Current document revision number
DocLink	Link to the document
entries	Each entry in this collection represents an AX document revision

## Link Relations in this Resources

The following link relations are used to access the other resources linked to AXDocRevisionHistory.

Link Relations	Description
self	Points to the AXDocRevisionHistory itself
http://identifiers.emc.com/linkrel/doc	Points to the AXDoc resource

## Operations

The AXDocRevisionHistory resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXDocRevisionHistory resource
POST	Check in a modified document

## Get the AXDocRevisionHistory Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

### Query Parameters

NA

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "CurrentDocRevision": "1.1",
 "DocLink": {
 "rel": "axdoc",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10"
 },
 "@base": "http://localhost",
 "entries": [
 {
 "RevisionNumber": "1.1",
 "CheckinBy": "sysop",
 "CheckinDate": "2004-01-02T16:33:30Z",
 "CheckinComment": "",
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocRevisions/10/1%2E1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10"
 }
]
 }
]
}
```
- application/vnd.emc.ax+xml

```

<AXDocRevisionHistory xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseurl="http://localhost">
 <entries href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocRevisions/10/1%2E1">
 <link xmlns="http://www.emc.com/ax" rel="http://identifiers.emc.com/linkrel/doc"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10" />
 <RevisionNumber>1.1</RevisionNumber>
 <CheckinBy>sysop</CheckinBy>
 <CheckinDate>2004-01-02T16:33:30Z</CheckinDate>
 <CheckinComment />
 </entries>
 <count xsi:nil="true" />
 <CurrentDocRevision>1.1</CurrentDocRevision>
 <DocLink rel="http://identifiers.emc.com/linkrel/doc"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10" />
</AXDocRevisionHistory>

```

### Check in document

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

Parameter	Description
chkinAction	Check in action (MajorRevision:1, MinorRevision:2, SameRevision:3)
finalrev	True if check in as final revision
comments	Check in comments
fulltext	True if triggering full text job after checking in

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type

- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json
 

```
{
 "CurrentDocRevision": "1.1",
 "DocLink": {
 "rel": "axdoc",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10"
 },
 "@base": "http://localhost",
 "entries": [
 {
 "RevisionNumber": "1.1",
 "CheckinBy": "sysop",
 "CheckinDate": "2004-01-02T16:33:30Z",
 "CheckinComment": "",
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocRevisions/10/1%2E1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10"
 }
]
 }
]
}
```
- application/vnd.emc.ax+xml
 

```
<AXDocRevisionHistory xmlns:xsd="http://www.w3.org/2001/XMLSchema"
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseurl="http://localhost">
 <entries href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocRevisions/10/1%2E1">
 <link xmlns="http://www.emc.com/ax" rel="http://identifiers.emc.com/linkrel/doc"
 href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10" />
 <RevisionNumber>1.1</RevisionNumber>
 <CheckinBy>sysop</CheckinBy>
 <CheckinDate>2004-01-02T16:33:30Z</CheckinDate>
 <CheckinComment />
 </entries>
 <count xsi:nil="true" />
 <CurrentDocRevision>1.1</CurrentDocRevision>
 <DocLink rel="http://identifiers.emc.com/linkrel/doc"
 href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10" />
</AXDocRevisionHistory>
```

## AXDocRevision

The AXDocRevision resource represents one revision of an AX document that can be accessed from the AXDocRevisionHistory resource's entries.

## Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocrevisions/{docid}/{revisionid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number
{revisionid}	The document revision ID number

## Resource Properties

Properties	Description
RevisionNumber	Revision number
CheckinBy	Check in user
CheckinDate	Check in date
CheckinComment	Check in comment

## Link Relations in this Resources

The following link relations are used to access the other resources linked to AXDocRevision.

Link Relations	Description
self	Points to the AXDocRevision itself
http://identifiers.emc.com/linkrel/doc	Points to the AXDoc resource

## Operations

The AXDocRevision resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXDocRevision resource
DELETE	Delete the AXDocRevision resource

## Get the AXDocRevision Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

## Query Parameters

NA

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "RevisionNumber": "1.1",
 "CheckinBy": "sysop",
 "CheckinDate": "2004-01-02T16:33:30Z",
 "CheckinComment": "",
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocRevisions/10/1%2E1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/doc",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10"
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXDocRevision xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocRevisions/10/1%2E1"
baseurl="http://localhost">
 <link xmlns="http://www.emc.com/ax" rel="http://identifiers.emc.com/linkrel/doc"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocs/10" />
 <RevisionNumber>1.1</RevisionNumber>
```

```
<CheckinBy>sysop</CheckinBy>
<CheckinDate>2004-01-02T16:33:30Z</CheckinDate>
<CheckinComment />
</AXDocRevision>
```

### Delete an AX Document revision

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- DELETE

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

NA

#### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

NA

## AXDocPages

The AXDocPages resource represents a collection of AX Document pages that can be accessed from the AXDoc resource.

#### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocpages/{docid}
{dsn}	The data source name

{appid}	The application ID number
{docid}	The document ID number

#### Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX document page.

#### Link Relations in this Resources

NA

#### Operations

The AXDocPages resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXDocPages resource
POST	Create a new AX document page
POST	Attach one or all batch pages from specified batch to the specified document page location
PUT	Reorder the pages
DELETE	Delete the AXDocPages collection based on page range.

#### Get the AXDocPages Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "id": "b0bced6c-98ac-4a60-867c-360d70da6500",
 "updated": "2015-05-15T01:38:41.2050181Z",
 "entries": [
 {
 "Page": 1,
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/current-version",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0"
 },
 {
 "rel": "version-history",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1"
 }
]
 },
 {
 "Page": 2,
 "links": [
 {
 "rel": "http://identifiers.emc.com/linkrel/current-version",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/2/0"
 },
 {
 "rel": "version-history",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/2"
 }
]
 }
],
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPages/2"
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXDocPagesCollection xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPages/2" baseurl="http://localhost">
<Id>0ffdc469-04fd-432b-a031-33baab36d301</Id>
```

```

<LastUpdated>2015-05-15T01:38:56.986368Z</LastUpdated>
<Entries>
 <AXDocPage>
 <link rel="http://identifiers.emc.com/linkrel/current-version"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0" />
 <link rel="version-history"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1" />
 <Page>1</Page>
 </AXDocPage>
 <AXDocPage>
 <link rel="http://identifiers.emc.com/linkrel/current-version"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/2/0" />
 <link rel="version-history"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/2" />
 <Page>2</Page>
 </AXDocPage>
</Entries>
<Count xsi:nil="true" />
</AXDocPagesCollection>

```

### Create a new AX Document page

In the HTTP request header, client needs to specify content type to be multipart/form\_data, as well as the multipart boundary (the boundary can be different). Then in the HTTP request body, client needs to include several parts, the part of bin, annotation, text files. Please note the form name in each part's Content-Disposition header must be one of the following: bin, annotation, text. The annotation and text part are optional. This API only support to add one page at a time.

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

Parameter	Description
idx	AX document page location (1-based)
pageop	Page Insert operation. (0: InsertBefore, 1: InsertAfter, 2: Append)
ImportOption	Bin file import option: 0x01: Inspect PDF file for errors. 0x02: Decrypt password secured PDF if possible. 0x04: Save plain text as compressed text with optional form name. 0x08: Save plain text as uncompressed text.
COLDFormName	Optional form name.

#### Request Headers

- Accept
- Content-Type: multipart/form-data; boundary="85b890d4-4faf-4261-bcbb-187c4dddcbc6"

## Request Body

- **multipart/form-data**  
--85b890d4-4faf-4261-bcbb-187c4dddcbc6  
Content-Type: application/bin  
Content-Disposition: form-data; name=bin; filename="AX REST Service Resource Map.pdf"; filename\*=utf-8'AX REST Service Resource Map.pdf  
  
//file content  
  
--85b890d4-4faf-4261-bcbb-187c4dddcbc6--

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 201 – Created
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- **application/vnd.emc.ax+json**

```
{
 "Page": 1,
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPage/2/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/current-version",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0"
 },
 {
 "rel": "version-history",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1"
 }
]
}
```
- **application/vnd.emc.ax+xml**

```
<AXDocPage xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPage/2/1" baseurl="http://localhost">
 <link rel="http://identifiers.emc.com/linkrel/current-version"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0" />
```

```
<link rel="version-history"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1" />
<Page>1</Page>
</AXDocPage>
```

### Attach page from batch to document

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

Parameter	Description
idx	AX document page location (1-based). 0 for append.
attachall	Whether to attach all pages from the batch. (true or false)
batchid	Batch id
pagerange	If attachall is false, this optional parameter can sepecify the source batch's page range to be attached. (Used to attach multiple pages)
batchpagenum	If attachall is false, and pagerange is empty, this optional parameter can specify the source batch page number. (1-based. Used to attach one page)

#### Request Headers

- Accept

#### Request Body

- NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 201 – Created
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json  
{  
 "Page": 1,  
 "@base": "http://localhost",

```

"links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPage/2/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/current-version",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0"
 },
 {
 "rel": "version-history",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1"
 }
]
}

```

- application/vnd.emc.ax+xml

```

<AXDocPage xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPage/2/1" baseurl="http://localhost">
 <link rel="http://identifiers.emc.com/linkrel/current-version"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0" />
 <link rel="version-history"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1" />
 <Page>1</Page>
</AXDocPage>

```

## Reorder the pages

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- PUT

### Query Parameters

Parameter	Description
idx	AX document page location (1-based)
newpageloc	New page location of this page

### Request Headers

- Accept

### Request Body

- NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 201 – Created
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json

```
{
 "Page": 1,
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPage/2/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/current-version",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0"
 },
 {
 "rel": "version-history",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1"
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXDocPage xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPage/2/1" baseurl="http://localhost">
 <link rel="http://identifiers.emc.com/linkrel/current-version"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0" />
 <link rel="version-history"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1" />
 <Page>1</Page>
</AXDocPage>
```

### Delete AX Document pages range

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- DELETE

### Query Parameters

Parameter	Description
-----------	-------------

pagerange	Page range to be deleted
-----------	--------------------------

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

NA

#### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

NA

## AXDocPage

The AXDocPage resource represents an AX document page that can be accessed from the AXDocPages collection resource's entries.

#### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocpages/{docid}/{pageid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number
{pageid}	The document page ID number

#### Resource Properties

Properties	Description
Page	Page index

#### Link Relations in this Resources

The following link relations are used to access the other resources linked to AXDocPage.

Link Relations	Description
self	Points to the AXDocPage itself
http://identifiers.emc.com/linkrel/current-version	Points to the current page version resource
version-history	Points to the AXPageVersions collection resource

### Operations

The AXDocPage resource supports the following HTTP methods.

Method	Description
GET	Retrieve the AXDocPage resource
DELETE	Delete the AXDocPage resource

### Get the AXDocPage Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type

- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json
 

```
{
 "Page": 1,
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPage/2/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/current-version",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0"
 },
 {
 "rel": "version-history",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1"
 }
]
}
```
- application/vnd.emc.ax+xml
 

```
<AXDocPage xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPage/2/1" baseurl="http://localhost">
 <link rel="http://identifiers.emc.com/linkrel/current-version"
 href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersion/2/1/0" />
 <link rel="version-history"
 href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/11/AXDocPageVersions/2/1" />
 <Page>1</Page>
</AXDocPage>
```

#### Delete an AX Document page

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- DELETE

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

NA

## Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

NA

## AXDocPageVersions

The AXDocPageVersions resource represents a list of AX Document page versions that can be accessed from the AXDocPage resource.

## Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocpageversions/{docid}/{pageid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number
{pageid}	The document page ID number

## Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX document page version

## Link Relations in this Resources

NA

## Operations

The AXDocPageVersions resource supports the following HTTP methods.

Method	Description
GET	Retrieve the AXDocPageVersions resource
POST	Create a new AX document page version

## Get the AXDocPageVersions Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

## HTTP Method

- GET

## Query Parameters

NA

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "id": "ca075b48-b09b-4eb5-b050-3c8659f35178",
 "updated": "2016-05-16T00:38:53.3828125Z",
 "entries": [
 {
 "Page": 1,
 "Version": 1,
 "HasAnnotation": false,
 "HasTextView": false,
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/rendition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/1"
```

```

 }
]
},
{
 "Page": 1,
 "Version": 2,
 "HasAnnotation": false,
 "HasTextView": false,
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/2"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/rendition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/2"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/2"
 }
]
}
],
"@base": "http://localhost",
"links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1"
 }
]
}
}

```

- application/vnd.emc.ax+xml

```

<AXDocPageVersionCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <Id>e228ddde-d6f7-4681-bfdd-01b4d016f5be</Id>
 <LastUpdated>2016-05-16T00:38:57.1523438Z</LastUpdated>
 <Entries>
 <AXDocPageVersion
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/1">
 <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/1" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/1" />
 </AXDocPageVersion>
 </Entries>
</AXDocPageVersionCollection>

```

```

 <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/2" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/2" />
 <Page>1</Page>
 <Version>2</Version>
 <HasAnnotation>>false</HasAnnotation>
 <HasTextView>>false</HasTextView>
 </AXDocPageVersion>
</Entries>
<Count xsi:nil="true" />
</AXDocPageVersionCollection>

```

### Create a new AX Document page version

In the HTTP request header, client needs to specify content type to be multipart/form\_data, as well as the multipart boundary (the boundary can be different). Then in the HTTP request body, client needs to include several parts, the part of bin, annotation, text files. Please note the form name in each part's Content-Disposition header must be one of the following: bin, annotation, text. The annotation and text part are optional. This API only support to add one page version at a time.

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST
- Content-Type: multipart/form-data; boundary="85b890d4-4faf-4261-bcbb-187c4dddcbc6"

#### Query Parameters

Parameter	Description
ImportOption	Bin file import option: 0x01: Inspect PDF file for errors. 0x02: Decrypt password secured PDF if possible. 0x04: Save plain text as compressed text with optional form name. 0x08: Save plain text as uncompressed text.
COLDFormName	Optional form name.

#### Request Headers

- Accept

#### Request Body

- multipart/form-data  
--85b890d4-4faf-4261-bcbb-187c4dddcbc6  
Content-Type: application/bin  
Content-Disposition: form-data; name=bin; filename="AX REST Service Resource Map.pdf"; filename\*=utf-8"AX REST Service Resource Map.pdf  
  
//file content  
  
--85b890d4-4faf-4261-bcbb-187c4dddcbc6--

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 201 – Created
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "Page": 1,
 "Version": 1,
 "HasAnnotation": false,
 "HasTextView": false,
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/rendition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/1"
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXDocPageVersion xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/1"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/1" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/1" />
 <Page>1</Page>
 <Version>1</Version>
 <HasAnnotation>>false</HasAnnotation>
 <HasTextView>>false</HasTextView>
</AXDocPageVersion>
```

## AXDocPageVersion

The AXDocPageVersion resource represents an AX document page version that can be accessed from the AXDocPageVersions resource's entries or AXDocPage resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocpageversions/{docid}/{pageid}/{vid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number
{pageid}	The document page ID number
{vid}	The document page version ID number

### Resource Properties

Properties	Description
Page	Page number
Version	Version number
HasAnnotation	True if it has annotation
HasTextView	True if it has text view

### Link Relations in this Resources

The following link relations are used to access the other resources linked to AXDocPageVersion.

Link Relations	Description
self	Points to the AXDocPage itself
http://identifiers.emc.com/linkrel/rendition	Points to the rendered image file
http://identifiers.emc.com/linkrel/thumbnail	Points to the rendered thumbnail file

### Operations

The AXDocPageVersion resource supports the following HTTP methods.

Method	Description
--------	-------------

GET	Retrieve the AXDocPageVersion resource
PUT	Modify the AXDocPageVersion's annotation or ocr file
DELETE	Delete the AXDocPageVersion resource

### Get the AXDocPageVersion Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json
 

```
{
 "Page": 1,
 "Version": 1,
 "HasAnnotation": false,
 "HasTextView": false,
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/1"
 }
],
 {
```

```

 "rel": "http://identifiers.emc.com/linkrel/rendition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/1"
 }
]
}

```

- application/vnd.emc.ax+xml

```

<AXDocPageVersion xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/1"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/1" />
 <link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/1" />
 <Page>1</Page>
 <Version>1</Version>
 <HasAnnotation>>false</HasAnnotation>
 <HasTextView>>false</HasTextView>
</AXDocPageVersion>

```

### Modify the AX document pageversion's annotation or ocr file

In the HTTP request header, client needs to specify content type to be multipart/form\_data, as well as the multipart boundary (the boundary can be different). Then in the HTTP request body, client needs to include at most two parts, annotation, text file. Please note the form name in each part's Content-Disposition header must be one of the following: annotation, text. Only annotation and text file can be modified through this API, and the original bin file cannot be changed.

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- PUT

#### Query Parameters

NA

#### Request Headers

- Accept
- Content-Type: multipart/form-data; boundary="85b890d4-4faf-4261-bcbb-187c4dddcbc6"

#### Request Body

- multipart/form-data
 

```

--85b890d4-4faf-4261-bcbb-187c4dddcbc6
Content-Type: application/bin
Content-Disposition: form-data; name=annotation; filename="0100002m.ano"; filename*=utf-8'0100002m.ano

```

```
//annotation file content
```

```
--85b890d4-4faf-4261-bcbb-187c4dddcbc6
Content-Type: application/bin
Content-Disposition: form-data; name=text; filename="test.txt"; filename*=utf-8'test.txt
```

```
//ocr file content
```

```
--85b890d4-4faf-4261-bcbb-187c4dddcbc6--
```

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 201 – Created
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "Page": 1,
 "Version": 1,
 "HasAnnotation": false,
 "HasTextView": false,
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/rendition",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/thumbnail",
 "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/1"
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXDocPageVersion xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/1"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
```

```
<link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocRenderJob/11/1/1" />
<link rel="http://identifiers.emc.com/linkrel/thumbnail"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersionThumbnail/11/1/1" />
<Page>1</Page>
<Version>1</Version>
<HasAnnotation>>false</HasAnnotation>
<HasTextView>>false</HasTextView>
</AXDocPageVersion>
```

## Delete an AX Document page version

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- DELETE

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

NA

### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

NA

## AXReportDoc

The AXReportDoc resource represents an AX report document that can be accessed from the AXQueryResultItem resource.

### Resource URI

Variable	Description
----------	-------------

URI	api/axdatasources/{dsn}/axapps/{appid}/axreport/{reportid}
{dsn}	The data source name
{appid}	The application ID number
{reportid}	The document ID number

#### Resource Properties

Properties	Description
ID	Report ID
PageCount	Report page count
Description	Report description
ReportType	Report type
TimeStamp	Report timestamp

#### Link Relations in this Resources

The following link relations are used to access the other resources linked to AXReport.

Link Relations	Description
self	Points to the AXReportDoc itself
http://identifiers.emc.com/linkrel/application	Points to an AXApplication resource
http://identifiers.emc.com/linkrel/report-pages	Points to the AXReportPages resource

#### Operations

The AXReportDoc resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXReportDoc resource
DELETE	Deletes the AXReportDoc resource

#### Get the AXReport Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

## Query Parameters

NA

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "ID": 3,
 "PageCount": 187,
 "Description": "STMT_AX - 2f483_STMTORIG.TXT",
 "ReportType": "STMT_AX",
 "TimeStamp": "2005-10-04T17:30:45Z",
 "@base": "http://localhost",
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReport/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/application",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/report-pages",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3"
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXReport xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReport/3" baseurl="http://localhost">
 <link rel="http://identifiers.emc.com/linkrel/application"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177" />
 <link rel="http://identifiers.emc.com/linkrel/report-pages"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3" />
 <ID>3</ID>
 <PageCount>187</PageCount>
 <Description>STMT_AX - 2f483_STMTORIG.TXT</Description>
 <ReportType>STMT_AX</ReportType>
 <TimeStamp>2005-10-04T17:30:45Z</TimeStamp>
</AXReport>
```

## Delete the AXReportDoc Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- DELETE

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

NA

### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

NA

## AXReportDocPages

The AXReportDocPages resource represents a list of AX report document pages that can be accessed from the AXReportDoc resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axreportdocpages/{reportid}
{dsn}	The data source name
{appid}	The application ID number
{ reportid }	The document ID number

### Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX report document page.

### Link Relations in this Resources

The following link relations are used to access the other resources linked to AXReport.

Link Relations	Description
self	Points to the current page of AXReportDocPages resource
first	Points to the first page of AXReportDocPages resource
next	Points to the next page of AXReportDocPages resource
prev	Points to the prev page of AXReportDocPages resource
last	Points to the last page of AXReportDocPages resource

### Operations

The AXReportDocPages resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXReportDocPages resource

### Get the AXReportDocPages Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

## HTTP Method

- GET

## Query Parameters

NA

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml
- application/atom+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "id": "be445473-7f3e-4830-a687-cac32a207b4d",
 "updated": "2015-05-20T08:39:32.5443691Z",
 "entries": [
 {
 "Page": 1,
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3/1"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/rendition",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocRenderJob/3/1"
 }
]
 }
],
 "Page": 2,
 "links": [
 {
 "rel": "self",
```

```

 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3/2"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/rendition",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocRenderJob/3/2"
 }
]
},
{
 "Page": 3,
 "links": [
 {
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3/3"
 },
 {
 "rel": "http://identifiers.emc.com/linkrel/rendition",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocRenderJob/3/3"
 }
]
},
.....
],
"@base": "http://localhost",
"links": [
 {
 "rel": "self",
 "href":
"/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=0&$top=50"
 },
 {
 "rel": "last",
 "href":
"/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=150&$top=50"
 },
 {
 "rel": "next",
 "href":
"/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=50&$top=50"
 }
]
}

```

- application/vnd.emc.ax+xml

```

<AXReportDocPageCollection xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=0&$top=50"
baseurl="http://localhost">
 <link rel="last"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=150&$top=50" />
 <link rel="next"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=50&$top=50" />
</id>093e245d-7193-43be-b5c8-020ec31a80ab</Id>

```

```

<LastUpdated>2015-05-25T09:26:12.1065787Z</LastUpdated>
<Entries>
 <AXReportDocPage
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3/1">
 <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocRenderJob/3/1" />
 <Page>1</Page>
 </AXReportDocPage>
 <AXReportDocPage
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3/2">
 <link rel="http://identifiers.emc.com/linkrel/rendition"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocRenderJob/3/2" />
 <Page>2</Page>
 </AXReportDocPage>

</Entries>
<Count xsi:nil="true" />
<Next rel="next"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=50&stop=50" />
<Last rel="last"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=150&stop=50" />
</AXReportDocPageCollection>

```

## AXReportPage

The AXReportPage resource represents an AX report document's page that can be accessed from the AXReportPages resource's entries.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axreportdocpages/{reportid}/{pageid}
{dsn}	The data source name
{appid}	The application ID number
{ reportid }	The document ID number
{pageid}	The document page ID number

### Resource Properties

Properties	Description
Page	Report page number.

### Link Relations in this Resources

The following link relations are used to access the other resources linked to AXReportPage.

Link Relations	Description
----------------	-------------

self	Points to the AXReportPage itself
http://identifiers.emc.com/linkrel/rendition	Points to the rendered content file

## Operations

The AXReportPage resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXReportPage resource

## Get the AXReportPage Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json
 

```
{
 "Page": 1,
 "@base": "http://localhost",
 "links": [
```

```

{
 "rel": "self",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3/1"
},
{
 "rel": "http://identifiers.emc.com/linkrel/rendition",
 "href": "/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocRenderJob/3/1"
}
]
}

```

- application/vnd.emc.ax+xml  
 <AXReportDocPage xmlns="http://www.emc.com/ax" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3/1" baseurl="http://localhost">  
   <link rel="http://identifiers.emc.com/linkrel/rendition" href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocRenderJob/3/1" />  
   <Page>1</Page>  
 </AXReportDocPage>

## AXKeyRefIndexLookupResult

The AXKeyRefIndexLookupResult resource represents a list of KeyRef index look up results that can be accessed from the AXApp resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axappkeyreflookup/{appid}
{dsn}	The data source name
{appid}	The application ID number

### Resource Properties

Properties	Description
values	This is a collection of FieldID and FieldValue pairs

### Link Relations in this Resources

NA

### Operations

The AXKeyRefIndexLookupResult resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXKeyRefIndexLookupResult resource

### Get the AXKeyRefIndexLookupResult Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

## HTTP Method

- GET

## Query Parameters

Parameter	Description
fieldvalue	The field value of the key reference's key field
nativetype	Optional, true if you want to return the index value as native type for integer, decimal and currency. Default is false.

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "values": [
 {
 "FieldID": "field2",
 "FieldValue": "JONES"
 },
 {
 "FieldID": "field3",
 "FieldValue": "BETH"
 },
 {
 "FieldID": "field4",
 "FieldValue": "056-67-2314"
 }
],
 "links": []
}
```

- application/vnd.emc.ax+xml  
 <AXKeyRefIndex xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.emc.com/ax">  
 <values>  
 <FieldID>field2</FieldID>  
 <FieldValue>JONES</FieldValue>  
 </values>  
 <values>  
 <FieldID>field3</FieldID>  
 <FieldValue>BETH</FieldValue>  
 </values>  
 <values>  
 <FieldID>field4</FieldID>  
 <FieldValue>056-67-2314</FieldValue>  
 </values>  
 </AXKeyRefIndex>

## AXSelectIndexLookupResult

The AXSelectIndexLookupResult resource represents a list of AX select index lookup results that can be accessed from the AXApp resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axappselectindexlookup/{appid}
{dsn}	The data source name
{appid}	The application ID number

### Resource Properties

Properties	Description
columns	Query result columns
entries	Each entry in this collection represents a query result item
/Id	Query result item ID (property of query result item in entries)
/IndexValues	Item index values (property of query result item in entries)

### Link Relations in this Resources

NA

### Operations

The AXSelectIndexLookupResult resource supports the following HTTP methods.

Method	Description
POST	Post the query values to retrieves the AXSelectIndexLookupResult

## Retrieve the AXSelectIndexLookupResult Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- POST

### Query Parameters

Parameter	Description
nativetype	Optional, true if you want to return the index value as native type for integer, decimal and currency. Default is false.

### Request Headers

- Accept

### Request Body

- application/vnd.emc.ax+json

```
[
 {
 "Name": "STUDENT ID",
 "Value": "41414"
 },
 {
 "Name": "DOCUMENT TYPE",
 "Value": "APPLICATION"
 }
]
```

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json

```
{
 "columns": [
 "STUDENT ID",
 "LAST NAME",
 "FIRST NAME",
 "SSN",
 "ACADEMIC YR/TERM",
 "DOCUMENT TYPE",
]
}
```

```

"DOCUMENT DATE",
"NICKNAME"
],
"id": "6595ba5e-549e-4e0e-b69f-c6bc95e43957",
"updated": "2016-05-16T08:29:24.2089844Z",
"entries": [
 {
 "indexvalues": [
 "41414",
 "CHOU",
 "LI",
 "",
 "200403",
 "APPLICATION",
 "2004-01-03",
 null
],
 "ID": 6,
 "PageCount": 0,
 "Attributes": null,
 "links": []
 }
],
"count": 1,
"@base": "http://localhost",
"links": []
}

```

- **application/vnd.emc.ax+xml**

```

<AXQueryResultCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <Id>c12eef18-c71e-407e-a659-d14a7cdd57ac</Id>
 <LastUpdated>2016-05-16T08:31:00.3847657Z</LastUpdated>
 <Entries>
 <AXQueryResultItem>
 <indexvalue>41414</indexvalue>
 <indexvalue>CHOU</indexvalue>
 <indexvalue>LI</indexvalue>
 <indexvalue />
 <indexvalue>200403</indexvalue>
 <indexvalue>APPLICATION</indexvalue>
 <indexvalue>2004-01-03</indexvalue>
 <ID>6</ID>
 <PageCount>0</PageCount>
 <FulltextHits xsi:nil="true" />
 </AXQueryResultItem>
 </Entries>
 <Count>1</Count>
 <column>STUDENT ID</column>
 <column>LAST NAME</column>
 <column>FIRST NAME</column>
 <column>SSN</column>
 <column>ACADEMIC YR/TERM</column>
 <column>DOCUMENT TYPE</column>
 <column>DOCUMENT DATE</column>
 <column>NICKNAME</column>
</AXQueryResultCollection>

```

## AXAutoIndexLookupResult

The AXAutoIndexLookupResult resource represents a list of AX auto index lookup results that can be accessed from the AXApp resource.

### Resource URI

Variable	Description
----------	-------------

URI	api/axdatasources/{dsn}/axappautoindexlookup/{appid}
URI (delete all)	api/axdatasources/{dsn}/axappautoindexlookup/{appid}
URI (delete one)	api/axdatasources/{dsn}/axappautoindexlookup/{appid}/{idx}
{dsn}	The data source name
{appid}	The application ID number
{idx}	The autoindex ID

### Resource Properties

Properties	Description
columns	Query result columns
entries	Each entry in this collection represents a query result item
/id	Query result item ID (property of query result item in entries)
/IndexValues	Item index values (property of query result item in entries)

### Link Relations in this Resources

NA

### Operations

The AXAutoIndexLookupResult resource supports the following HTTP methods.

Method	Description
POST	Post the query values to retrieves the AXAutoIndexLookupResult
DELETE	Delete all auto index or one specified auto index item

### Retrieve the AXAutoIndexLookupResult Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

Parameter	Description
nativetype	Optional, true if you want to return the index value as native type for integer, decimal and currency. Default is false.

#### Request Headers

- Accept

#### Request Body

- application/vnd.emc.ax+json

```
[
 {
 "Name": "ACADEMIC YR/TERM",
 "Value": "200501"
 },
 {
 "Name": "SSN",
 "Value": "561-56-5688"
 }
]
```

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json
 

```
{
 "columns": [
 "STUDENT ID",
 "LAST NAME",
 "FIRST NAME",
 "SSN",
 "ACADEMIC YR/TERM"
],
 "id": "00cf6a8f-b9c5-4dee-98f8-5f156dbf901b",
 "updated": "2016-05-16T08:38:19.0087891Z",
 "entries": [
 {
 "indexvalues": [
 "10205",
 "ALTON",
 "JEREMY",
 "561-56-5688",
 "200501"
],
 "ID": 3,
 "PageCount": 0,
 "Attributes": null,
 "links": []
 }
],
 "count": 1,
 "@base": "http://localhost",
 "links": []
}
```
- application/vnd.emc.ax+xml
 

```
<AXQueryResultCollection xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
 <Id>302592e2-eb9f-42d5-a5c8-61b9b0b482a8</Id>
```

```
<LastUpdated>2016-05-16T08:39:11.2197266Z</LastUpdated>
<Entries>
 <AXQueryResultItem>
 <indexvalue>10205</indexvalue>
 <indexvalue>ALTON</indexvalue>
 <indexvalue>JEREMY</indexvalue>
 <indexvalue>561-56-5688</indexvalue>
 <indexvalue>200501</indexvalue>
 <ID>3</ID>
 <PageCount>0</PageCount>
 <FulltextHits xsi:nil="true" />
 </AXQueryResultItem>
</Entries>
<Count>1</Count>
<column>STUDENT ID</column>
<column>LAST NAME</column>
<column>FIRST NAME</column>
<column>SSN</column>
<column>ACADEMIC YR/TERM</column>
</AXQueryResultCollection>
```

## Delete all auto index

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- DELETE

### Query Parameters

NA

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

NA

### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

NA

Delete one auto index

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- DELETE

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

NA

#### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

NA

## AXFormOverlay

The AXFormOverlay resource represents an AX formoverlay which can be accessed from the AXDataSource resource.

#### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axformoverlay
{dsn}	The data source name

#### Resource Properties

Properties	Description
Entries	Each entry represents a Form Overlay

/ID	The FormOverlay ID
/Name	The FormOverlay Name
/FormType	The FormOverlay Form Type
/CPI	The FormOverlay CPI
/LPI	The FormOverlay LPI
/Orientation	The FormOverlay Orientation
/Unit	The FormOverlay Unit
/Left	The FormOverlay Left
/Top	The FormOverlay Top
/RatioX	The FormOverlay Ratio X
/RatioY	The FormOverlay Ratio Y
/Content	The FormOverlay content in base64 string format

#### [Link Relations in this Resource](#)

The following link relations are used to access the other resources linked to AXFormOverlay:

NA

#### [Operations](#)

The AXFormOverlay resource supports the following HTTP methods:

Method	Description
GET	Retrieves the AXFormOverlay resource

#### [Get the AXFormOverlay](#)

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### [HTTP Method](#)

- GET

#### [Query Parameters](#)

You can use OData's Filter expression to filter the result by AXFormOverlay's Name and ID

Parameter	Description
\$filter	The filter expression (eg: \$filter=Name eq 'STMT' and FormType eq '1')

#### [Request Headers](#)

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "@base": "http://localhost",
 "entries": [
 {
 "FormType": 1,
 "RatioY": 0,
 "RatioX": 0,
 "Top": 0.4,
 "Left": 0.14,
 "Unit": 0,
 "Orientation": 0,
 "LPI": 8,
 "CPI": 10,
 "Name": "STMT",
 "ID": 25,
 "Content": "...",
 "links": []
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXFormOverlays xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseurl="http://localhost"
xmlns="http://www.emc.com/ax">
 <entries>
 <FormType>IMAGE</FormType>
 <RatioY>0</RatioY>
 <RatioX>0</RatioX>
 <Top>0.4</Top>
 <Left>0.14</Left>
 <Unit>IN</Unit>
```

```

<Orientation>PORTRAIT</Orientation>
<LPI>8</LPI>
<CPI>10</CPI>
<Name>STMT</Name>
<ID>25</ID>
<Content>...</Content>
</entries>
<count xsi:nil="true" />
</AXFormOverlays>

```

## AXRubberStamp

The AXRubberStamp resource represents an AX rubber stamp that can be accessed from the AXApp resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axrubberstamp/{appid}
{dsn}	The data source name
{appid}	The application ID number

### Resource Properties

Properties	Description
entries	Each entry in this collection represents an AX rubberstamp.
/Name	The AX RubberStamp name
/ID	The AX RubberStamp ID
/RubberStampType	The AX RubberStamp type
/Description	The AX RubberStamp description
/Content	The AX RubberStamp content in base64 string format

### Link Relations in this Resources

NA

### Operations

The AXRubberStamp resource supports the following HTTP methods.

Method	Description
GET	Retrieves the AXRubberStamp resource

### Get the AXRubberStamp Resource

The HTTP method, query parameters, and headers that are supported by this resource are described below.

## HTTP Method

- GET

## Query Parameters

You can use the ODATA's \$filter expression to filter the rubberstamp collection by its name and ID.

Parameter	Description
\$filter	The filter expression (eg: \$filter=Name eq 'CONFIDENTIAL')

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

## Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

## Response Body

- application/vnd.emc.ax+json

```
{
 "@base": "http://localhost",
 "entries": [
 {
 "Name": "CONFIDENTIAL",
 "ID": 2,
 "RubberStampType": 0,
 "Description": "",
 "Content": "...",
 "links": []
 }
]
}
```
- application/vnd.emc.ax+xml

```
<AXRubberStamps xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" baseurl="http://localhost"
xmlns="http://www.emc.com/ax">
 <entries>
```

```

 <Name>CONFIDENTIAL</Name>
 <ID>2</ID>
 <RubberStampType>Text</RubberStampType>
 <Description />
 <Content>...</Content>
 </entries>
 <count xsi:nil="true" />
</AXRubberStamps>

```

## AXConfigurations

The AXConfigurations resource represents an AX configuration stream that can be accessed from the AXDataSource resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axconfigurations
{dsn}	The data source name

### Resource Properties

NA

### Link Relations in this Resources

NA

### Operations

The AXConfigurations resource supports the following HTTP methods.

Method	Description
GET	Load the AX Configuration
POST	Save the AX Configuration
DELETE	Delete the AX Configuration

### Load the AXConfigurations

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

Parameter	Description
guid	Configuration unique ID
global	Optional, whether the configuration is global. (Default is false)
userid	Optional, User ID (Default is 0 means the configuration is for all users)

appid	Optional, Application ID (Default is 0 means the configuration is for all applications)
-------	-----------------------------------------------------------------------------------------

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- image/config

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- image/config  
//stream content of the configuration

#### Save the AXConfigurations

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

Parameter	Description
guid	Configuration unique ID
global	Optional whether the configuration is global. Default is false.
userid	Optional, User ID (Default is 0 means the configuration is for all users)
appid	Optional, Application ID (Default is 0 means the configuration is for all applications)

#### Request Headers

- Accept

#### Request Body

- image/config

// stream content of configuration

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

NA

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

NA

#### Delete the AXConfigurations

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- DELETE

#### Query Parameters

Parameter	Description
guid	Configuration unique ID
global	Optional, whether the configuration is global. Default is false.
userid	Optional, User ID (Default is 0 means the configuration is for all users)
appid	Optional, Application ID (Default is 0 means the configuration is for all applications)

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

NA

### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

NA

## AXDocRenderJob

The AXDocRenderJob resource represents a rendered file resource of an AX document page version using AX Render Server. It can be accessed from the AXDocPageVersion resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocrenderjob/{docid}/{pageid}/{vid}
{dsn}	The data source name
{appid}	The application ID number
{docid}	The document ID number
{pageid}	The document page ID number
{vid}	The document page version ID number

### Resource Properties

NA

### Link Relations in this Resources

NA

### Operations

The AXDocRenderJob resource supports the following HTTP methods.

Method	Description
GET	Retrieve the rendered file resource of a page version

### Get the rendered file of a page version

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

## Query Parameters

Parameter	Description
subpage	Optional, sub page number. Default is 1.
formOverlayOption	Optional, form overlay option Default is 0. (0: None, 1: Text, 2: Image)
annotationRedactionOption	Optional, annotation and redaction option. Default is 0. (0: Normal, 1: HideAll, 2: RedactionOnly, 3: RedactionOnlyHideAll)
ClientProfile	Optional, rendering client profile option. Default is 0.
dpi	Optional, rendering DPI. Default is -1 which means native DPI.

## Request Headers

- Accept

## Request Body

NA

## Response Headers

- Content-Length
- Content-Type
- X-AX-FormName
- X-AX-FileType
- X-AX-ImageType
- X-AX-ImageWidth
- X-AX-ImageHeight
- X-AX-HorizontalResolution
- X-AX-VerticalResolution
- X-AX-PageCount
- X-AX-ForeignFileName
- X-AX-ForeignFileClassId
- X-AX-ForeignFileClassId

## Supported Response Media Types

- image/jpeg
- image/gif
- application/pdf
- application/xps
- text/html

## Response Status

- 200 – OK
- 401 – Unauthorized

- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- File stream

## AXBatchRenderJob

The AXBatchRenderJob resource represents a rendered file resource of an AX batch page using AX Render Server. It can be accessed from the AXBatchPage resource.

#### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axbatchrenderjob/{batchid}/{pageid}
{dsn}	The data source name
{appid}	The application ID number
{batchid}	The batch ID number
{pageid}	The batch page ID number

#### Resource Properties

NA

#### Link Relations in this Resources

NA

#### Operations

The AXBatchRenderJob resource supports the following HTTP methods.

Method	Description
GET	Retrieve the rendered file resource of a batch page

#### Get the rendered file of a batch page

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

Parameter	Description
subpage	Optional, sub page number. Default is 1.
annotationRedactionOption	Optional annotation and redaction option. Default is 0.

	(0: Normal, 1: HideAll, 2: RedactionOnly, 3: RedactionOnlyHideAll)
ClientProfile	Optional, rendering client profile option. Default is 0.

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type
- X-AX-FormName
- X-AX-FileType
- X-AX-ImageType
- X-AX-ImageWidth
- X-AX-ImageHeight
- X-AX-HorizontalResolution
- X-AX-VerticalResolution
- X-AX-PageCount
- X-AX-ForeignFileName
- X-AX-ForeignFileClassId
- X-AX-ForeignFileClassId

#### Supported Response Media Types

- image/jpeg
- image/gif
- application/pdf
- application/xps
- text/html

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- File stream

## AXReportDocRenderJob

The AXReportDocRenderJob resource represents a rendered file resource of an AX report document page using AX Render Server. It can be accessed from the AXReportPage resource.

## Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axreportdocrenderjob/{reportid}/{pageid}
{dsn}	The data source name
{appid}	The application ID number
{reportid}	The report ID number
{pageid}	The report page ID number

## Resource Properties

NA

## Link Relations in this Resources

NA

## Operations

The AXReportDocRenderJob resource supports the following HTTP methods.

Method	Description
GET	Retrieve the rendered file resource of a report page

## Get the rendered file of a report page

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

### Query Parameters

Parameter	Description
annotationRedactionOption	Optional, annotation and redaction option. Default is 0. (0: Normal, 1: HideAll, 2: RedactionOnly, 3: RedactionOnlyHideAll)
ClientProfile	Optional, rendering client profile option.

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type
- X-AX-FileType

- X-AX-ImageType

#### Supported Response Media Types

- image/jpeg

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- File stream

## AXBatchThumbnails

The AXBatchThumbnails resource represents a collection of rendered thumbnails of a batch document. It can be accessed from the AXBatch resource.

#### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axbatchthumbnails/{batchid}
{dsn}	The data source name
{appid}	The application ID number
{batchid}	The batch ID number

#### Resource Properties

NA

#### Link Relations in this Resources

NA

#### Operations

The AXBatchThumbnails resource supports the following HTTP methods.

Method	Description
GET	Retrieve the rendered thumbnails of a batch

#### Get the thumbnails of a batch

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

### Query Parameters

Parameter	Description
pageStart	The start page index
pageEnd	The end page index
thumbnailWidth	Width of the thumbnail
thumbnailHeight	Height of the thumbnail

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- multipart/form-data

### Response Status

- 200 – OK
- 400 – Bad Request
- 401 – Unauthorized
- 500 – Internal Server Error

### Response Body

- multipart/form-data  
//ordered thumbnail file stream

## AXDocThumbnails

The AXDocThumbnails resource represents a collection of rendered thumbnails of an AX document. It can be accessed from the AXDoc resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdoctumbnails/{docid}
{dsn}	The data source name
{appid}	The application ID
{docid}	The document ID

### Resource Properties

NA

## Link Relations in this Resources

NA

## Operations

The AXDocThumbnails resource supports the following HTTP methods.

Method	Description
GET	Retrieve the rendered thumbnails of a document

### Get the thumbnails of a document

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

Parameter	Description
pageStart	The start page index
pageEnd	The end page index
thumbnailWidth	Optional, width of the thumbnail. Default is 100.
thumbnailHeight	Optional, height of the thumbnail. Default is 130.
timeout	Optional, time out for thumbnail rendering. Default is 45 seconds.

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- multipart/form-data

#### Response Status

- 200 – OK
- 400 – Bad Request
- 401 – Unauthorized
- 500 – Internal Server Error

### Response Body

- multipart/form-data  
//ordered thumbnail file stream

## AXDocPageVersionThumbnail

The AXDocPageVersionThumbnail resource represents a rendered thumbnail of an AX document page version. It can be accessed from the AXDocPageVersion resource.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocpageversionthumbnail/{did}/{pid}/{vid}
{dsn}	The data source name
{appid}	The application ID
{did}	The document ID
{pid}	The document page ID
{vid}	The document page version ID

### Resource Properties

NA

### Link Relations in this Resources

NA

### Operations

The AXDocPageVersionThumbnail resource supports the following HTTP methods.

Method	Description
GET	Retrieve the rendered thumbnail of a document page version

### Get the thumbnails of a document page version

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

### Query Parameters

Parameter	Description
thumbnailWidth	Optional, width of the thumbnail. Default is 100.
thumbnailHeight	Optional, height of the thumbnail. Default is 130.

timeout	Optional, time out for rendering the thumbnail. Default is 45 seconds
---------	--------------------------------------------------------------------------

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- multipart/form-data

#### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 500 – Internal Server Error

#### Response Body

- multipart/form-data  
//ordered thumbnail file stream

## AXReportDocThumbnails

The AXReportDocThumbnails resource represents a collection of rendered thumbnails of an AX report document. It can be accessed from the AXReportDoc resource.

#### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axreportdocthumbnails/{reportid}
{dsn}	The data source name
{appid}	The application ID
{reportid}	The report document ID

#### Resource Properties

NA

#### Link Relations in this Resources

NA

#### Operations

The AXReportDocThumbnails resource supports the following HTTP methods.

Method	Description
GET	Retrieve the rendered thumbnails of a report document

Get the thumbnails of a report document

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

Parameter	Description
pageStart	The start page index
pageEnd	The end page index
thumbnailWidth	Optional, width of the thumbnail. Default is 100.
thumbnailHeight	Optional, height of the thumbnail. Default is 130.
timeout	Optional, time out for rendering thumbnail. Default is 45 seconds.

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- multipart/form-data

#### Response Status

- 200 – OK
- 400 – Bad Request
- 401 – Unauthorized
- 500 – Internal Server Error

#### Response Body

- multipart/form-data  
//ordered thumbnail file stream

## AXDocExportJob

The AXDocExportJob resource represents an export job of AX documentation. It can be created via a POST action from the AXDoc resource's export-job link relation. Once the job is created, you can refresh the job status by doing a GET action on the self link.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axdocexportjobs/{appid}
{dsn}	The data source name
{appid}	The application ID

### Resource Properties

Properties	Description
Status	The export job status, 0 for running, 1 for complete, 2 for failed.
JobToken	The export job token.
ExportedPagesList	The exported pages list when doing COLD document export.

### Link Relations in this Resources

Link Relations	Description
self	Points to the AXDocExportJob resource itself
http://identifiers.emc.com/linkrel/export-result	Points to the result of the export job.

### Operations

The AXDocExportJob resource supports the following HTTP methods.

Method	Description
POST	Submit an export job of a document or several documents
GET	Retrieve the status of the document export job

### Submit an export job of documents

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

NA

## Request Headers

- Accept

## Request Body

- Export a COLD document

```
{
 "ExportColdFormOverlay": 1,
 "IsExportCold": true,
 "Documents": [{
 "AppID": 101,
 "DocID": 6
 }, {
 "AppID": 101,
 "DocID": 7
 }]
}
```
- Export a document page version

```
{
 "HideAnnotation": false,
 "Documents": [{
 "AppID": 11,
 "DocID": 6
 }],
 "pageNum": 1,
 "pageVersionNum": 1,
 "UsePDFFormat": false,
 "IsOpenDocument": true
}
```
- Export a document pages range

```
{
 "HideAnnotation": false,
 "Documents": [{
 "AppID": 11,
 "DocID": 6
 }],
 "pageRange": "1-3",
 "UsePDFFormat": false,
 "IsOpenDocument": true
}
```
- Export documents

```
{
 "IsOpenDocument": false,
 "IsExportCold": false,
 "HideAnnotation": false,
 "Documents": [{
 "AppID": 101,
 "DocID": 6
 }, {
 "AppID": 101,
 "DocID": 7
 }],
 "UsePDFFormat": false,
 "ExportImage": true
}
```

```
}
```

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 400 – Bad Request
- 401 – Unauthorized
- 500 – Internal Server Error

#### Response Body

- application/vnd.emc.ax+json

```
{
 "Status": 0,
 "JobToken": "JK16A420ADC9889E5AF88C22184515125C83"
 "ExportedPagesList": null,
 "links": [{
 "rel": "self",
 "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXDocExportJobs/JK16A420ADC9889E5AF88C22184515125C83"
 }]
}
```
- application/vnd.emc.ax+xml

#### Retrieve the status of the document export job

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 400 – Bad Request
- 401 – Unauthorized
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json

```
{
 "Status": 0,
 "JobToken": "JK16A420ADC9889E5AF88C22184515125C83"
 "ExportedPagesList": null,
 "links": [{
 "rel": "self",
 "href":
"/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXDocExportJobs/JK16A420ADC9889E5AF88C22184515125C83"
 }]
}
```
- application/vnd.emc.ax+xml

## AXDocExportResults

The AXDocExportResults resource represents a result of an export job of AX documentation. It can be retrieved from the AXDocExportJob resource via a GET action if the job is completed.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axdocexportresults/{jobtoken}
{dsn}	The data source name
{ jobtoken }	The export job token

### Resource Properties

NA

### Link Relations in this Resources

NA

### Operations

The AXDocExportResults resource supports the following HTTP methods.

Method	Description
--------	-------------

GET	Retrieve the result of the document export job
-----	------------------------------------------------

Retrieve the result of the document export job

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

NA

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- multipart/form-data

#### Response Status

- 200 – OK
- 400 – Bad Request
- 401 – Unauthorized
- 500 – Internal Server Error

#### Response Body

- multipart/form-data  
//zipped file stream for multiple pages  
//or file stream for single page

## AXDocPrint

The AXDocPrint resource represents an export result of AX document pages bin files for client print purpose. It can be retrieved from the AXDoc resource via a GET action on doc-print link.

#### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocprint/{docid}
{dsn}	The data source name
{appid}	The application id
{docid}	The document id

## Resource Properties

NA

## Link Relations in this Resources

NA

## Operations

The AXDocPrint resource supports the following HTTP methods.

Method	Description
GET	Retrieve the result of the document bin files

### Retrieve the result of the document bin files

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- GET

#### Query Parameters

Parameter	Description
pageStart	Optional, the page start index. Default is 1.
pageEnd	Optional, the page end index. Default is 0. When it's 0, it returns all pages.
subPageStart	Optional, the sub page start index. Default is 0.
subPageEnd	Optional, the sub page end index. Default is 0.
formOverlayOption	Optional, the form overlay option. Default is 0.
annotationRedactionOption	Optional, the annotation redaction option. Default is 0.
ClientProfile	Optional, client profile. Default is 0.
includeOCR	Optional, whether to include OCR file. Default is false.

#### Request Headers

- Accept

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

## Supported Response Media Types

- multipart/form-data

## Response Status

- 200 – OK
- 400 – Bad Request
- 401 – Unauthorized
- 404 – NotFound
- 500 – Internal Server Error

## Response Body

- multipart/form-data
  - // Bin files will be returned based on clientProfile
  - // Annotation files will be returned as is
  - // OCR files will be returned as is.
  - // All files will be wrapped inside a zip file
  - // The directory of zip file will be orgnized like this:
  - // [page number 1]\[page number 1].bin for page number 1's bin file
  - // [page number 1].ano for page number 1's annotation file
  - // [page number 1].ocr for page number 1's OCR file
  - // [page number 2]\[page number 2].bin for page number 2's bin file
  - // [page number 2].ano for page number 2's annotation file
  - // [page number 2].ocr for page number 2's OCR file
  - // for multi-page files (DL subpageNum = 0) that have been rendered (PDF files mostly), instead of [page number x].bin file, all rendered sub pages will show up in a subfolder named BIN, e.g.
  - // [page number 1]\Bin\1.bin for 1st rendered subpage
  - // \2.bin for 2nd rendered subpage
  - // in this case, annotation file, if exist, only applies to the 1st subpage

## AXObjectResource

The AXObjectResource resource represents an AX object defined by a unique object reference id, which can be retrieved from the AXDoc, AXDocPage, AXDocPageVersion, AXBatch, AXBatchPage's ObjectReference property.

The returned resource will be one of the following kinds: AXDoc, AXDocPage, AXDocPageVersion, AXBatch, AXBatchPage. There is a HTTP header in response message named "X-AX-ObjectType" which indicates the real object type. The header value can be one of the following string type values: "DOC", "DOCPAGE", "DOCPAGEVERSION", "BATCH", "BATCHPAGE".

## Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axobjectresource?objref={objectreference}
{dsn}	The data source name
{objectreference}	The object reference id

## Resource Properties

NA.

## Link Relations in this Resources

NA.

## Operations

The AXObjectResource resource supports the following HTTP methods.

Method	Description
GET	Retrieves an AX object resource via unique id
DELETE	Deletes an AX object resource via unique id

## Retrieve an AX object resource via unique id

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

### Query Parameters

Parameter	Description
access	Document access request flag for HIPPA requirement.
comment	Document access comment for HIPPA requirement.

### Request Headers

NA

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type
- X-AX-ObjectType

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

NA

Deletes an AX object resource via unique id

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- DELETE

#### Query Parameters

NA

#### Request Headers

NA

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

NA

#### Response Status

- 204 – No Content
- 401 – Unauthorized
- 404 – Not Found
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

NA

## AXDocBusinessProcesses

The AXDocBusinessProcesses resource represents a collection of AX object workflows. It supports HTTP POST method to trigger a predefined workflow.

#### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axapps/{appid}/axdocbusinessprocesses/{id}
{dsn}	The data source name.
{appid}	Application id.
{id}	Document id.

## Resource Properties

NA.

## Link Relations in this Resources

NA.

## Operations

The AXDocBusinessProcesses resource supports the following HTTP methods.

Method	Description
POST	Trigger a workflow

### Trigger a workflow

The HTTP method, query parameters, and headers that are supported by this resource are described below.

#### HTTP Method

- POST

#### Query Parameters

Parameter	Description
businessprocess	Business Process name which can be retrieved from AXApp resource
indexid	Document index id

#### Request Headers

NA

#### Request Body

NA

#### Response Headers

- Content-Length
- Content-Type

#### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

#### Response Status

- 200 – OK
- 403 – Forbidden
- 406 – NotAcceptable
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

NA

## AXAuditTrailEvents

The AXAuditTrailEvents resource represents a list of AX audit trail events that can be accessed from the AXDataSource resource. This resource supports filter and pagination via ODATA protocol.

### Resource URI

Variable	Description
URI	api/axdatasources/{dsn}/axaudittrailevents
URI (dump via file)	api/axdatasources/{dsn}/axaudittrailevents/getfile
{dsn}	The data source name

### Resource Properties

Properties	Description
entries	Each entry in this collection represents an audit trail event
/UserID	User ID.
/UserName	User name.
/WorkstationID	Workstation ID.
/WorkstationName	Workstation name.
/SessionID	Session ID.
/TimeStamp	Event timestamp
/EventID	Event ID.
/AppID	The corresponding application ID.
/DocID	The corresponding document ID.
/Description	Event description.

### Link Relations in this Resources

NA

### Operations

The AXAuditTrailEvents resource supports the following HTTP methods.

Method	Description
GET	Retrieve the audit trail events
GET	Dump all the audit trail events via csv file

## Retrieve the audit trail events

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

### Query Parameters

Parameter	Description
startdatetime	Optional. Filter the events occurring before this time
enddatetime	Optional. Filter the events occurring after this time

### Request Headers

- Accept

### Request Body

NA

### Response Headers

- Content-Length
- Content-Type

### Supported Response Media Types

- application/vnd.emc.ax+json
- application/vnd.emc.ax+xml

### Response Status

- 200 – OK
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

### Response Body

- application/vnd.emc.ax+json

```
{
 "id": "746418a8-5315-445a-8dde-a0450c4d7859",
 "updated": "2020-04-21T06:56:30.0607329Z",
 "entries": [{
 "UserID": 1,
 "UserName": "SYSOP",
 "WorkstationID": 100010,
 "WorkstationName": "CZHOU PF12UBG6.opentext.net",
 "SessionID": null,
 "TimeStamp": "2019-10-08 09:00:30",
 "EventID": -1,
 "AppID": 178,
 "DocID": 0,
 "Description": "STATUS=app audit settings changed",
 "links": []
 }...],
 "@base": "http://localhost",
```

```

"links": [{
 "rel": "self",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXAuditTrailEvents?$skip=0&$top=50"
}, {
 "rel": "last",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXAuditTrailEvents?$skip=1600&$top=50"
}, {
 "rel": "next",
 "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXAuditTrailEvents?$skip=50&$top=50"
}]
}

```

- **application/vnd.emc.ax+xml**

```

<AXAuditTrailEvents xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" href="/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXAuditTrailEvents?$skip=0&$top=50"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
<Id>901e1d65-56fd-47a2-88c7-e3f15090650a</Id>
<LastUpdated>2020-04-21T07:03:43.6343245Z</LastUpdated>
<Entries>
<AXAuditTrailEvent>
<UserID>1</UserID>
<UserName>SYSOP</UserName>
<WorkstationID>100010</WorkstationID>
<WorkstationName>CZHOUFP12UBG6.opentext.net</WorkstationName>
<TimeStamp>2019-10-08 09:00:30</TimeStamp>
<EventID>1</EventID>
<AppID>178</AppID>
<DocID>0</DocID>
<Description>STATUS=app audit settings changed</Description>
</AXAuditTrailEvent>
</Entries>
<Count xsi:nil="true" />
<Next rel="next" href="/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXAuditTrailEvents?$skip=50&$top=50" />
<Last rel="last" href="/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXAuditTrailEvents?$skip=1600&$top=50" />
</AXAuditTrailEvents>

```

## Dump all the audit trail events via csv file

The HTTP method, query parameters, and headers that are supported by this resource are described below.

### HTTP Method

- GET

### Query Parameters

Parameter	Description
startdatetime	Optional. Filter the events occurring before this time
enddatetime	Optional. Filter the events occurring after this time

### Request Headers

NA

### Request Body

NA

### Response Headers

- Content-Length

- Content-Type

#### Supported Response Media Types

- text/csv

#### Response Status

- 200 – OK
- 400 – Bad Request
- 401 – Unauthorized
- 415 – Unsupported Media Type
- 500 – Internal Server Error

#### Response Body

- text/csv  
content of csv file