opentext™

ApplicationXtender® REST Services
Development Guide

Version 20.3

Contents

Overview

Introduction to AX REST Services

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

AX 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.

AX 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 AX REST Services

This document will provide explanations for all of the AX 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 AX REST Services to help learn the APIs.

Supported Media Types

MIME Types Table

AX REST Service supports the following media types that follow the HyperText Application Lanuage (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	AX JSON representation. This will be in UTF8 encoding. This is the standard media type used for AX REST API's JSON request and responses.
application/vnd.emc.ax+xml	AX XML representation. This will be in UTF8 encoding. This is the standard media type used for AX 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 AX 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 AX 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 AX 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.

AX Link Relations

These are link relations defined within OpenText and used by the AX 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 reseource
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 AX REST Services support HTTP Basic Authentication, Windows Authentication, Single Sign on Authentication. AX REST Service has a pipline 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

AX REST Services use ODATA (Open Data Protocal) 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.

Resources

Home Document

The Home Document resource is an entry point to the AX REST Services. It is available to any caller. It is retrieved by performing a HTTP GET on the resource URI. For example, if the AX REST services were installed into "https://localhost/AppXtenderReST", then performing a GET on the URI "http://localhost/AppXtenderReST/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
<?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>
</resources>
```

AXDataSources

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

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">
```

```xml
    <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

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

- 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.

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
},
"@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

```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>
    </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

```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

```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
  },
  "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
    },
    "@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

```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 &amp; 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>
            <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>
            <SubmitWorkflow>true</SubmitWorkflow>
        </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$|^WORK STUDY TIMESHEET$",
  "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$|^WORK STUDY TIMESHEET$",
  "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,
```

```json
      "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

```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?$skip=0&amp;$top=10"
baseurl="http://localhost" xmlns="http://www.emc.com/ax">
  <link rel="last"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=10&amp;$top=10
" />
  <link rel="next"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=10&amp;$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?$skip=10&amp;$top=10
" />
            <Last rel="last"
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXUserDefinedList/11/field5?$skip=10&amp;$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

- 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-187c4dddcbc6
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-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

```
{
  "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

```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
  ```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

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"
        }
      ]
    },
```

```json
      {
        "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

```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&amp
;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

- 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&amp
;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&amp
;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&amp
;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

- Content-Length
- Content-Type

NA

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

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:

```json
{
  "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:

```json
{
  "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

```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 reseource.
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

```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

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. Default is empty.
ftoperator	Optional fulltext query operator. 0: And, 1: Or. Default is 1.
ftexpression	Optional fulltext query expression. 0: And,1: OR,2: Exact,3: Expression. Default is 0.
ftoptions	Optional fulltext options. 0: None,1: Thesaurus.

	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 IsIncludingPreviousRevisions 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",
```

```json
      "LEYVA",
      "SUSANA",
      "G",
      "03-13-2003",
      "",
      "2911",
      "03-13-2003",
      "I9 FORM"
     ],
     "ID": 2,
     "PageCount": 1,
     "Attributes": {},
     "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": {},
     "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

```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 if 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": {},
      "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": {},
      "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>
        <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"
```

```json
      }
     ]
    },
    {
     "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": {
      "Searchable": true
     },
     "FieldLength": 254,
     "QueryValue": "",
     "links": [
      {
       "rel": "http://identifiers.emc.com/linkrel/data-type",
       "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
      }
     ]
    },
    {
     "Name": "[Owner]",
     "SearchName": "odmafield6",
     "FieldAttributes": {
      "Searchable": true
     },
```

```
      "FieldLength": 64,
      "QueryValue": "",
      "links": [
       {
        "rel": "http://identifiers.emc.com/linkrel/data-type",
        "href": "/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXDataTypes/0"
       }
      ]
     }
    ]
   }
```

- application/vnd.emc.ax+xml

```
<AXODMAQueryFields 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/0" xmlns="http://www.emc.com/ax" />
   <Name xmlns="http://www.emc.com/ax">[Title]</Name>
   <SearchName xmlns="http://www.emc.com/ax">odmafield1</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">[Subject]</Name>
   <SearchName xmlns="http://www.emc.com/ax">odmafield2</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">[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

- 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
    },
    {
```

```json
      "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>
```

```xml
      <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}
{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
http://identifiers.emc.com/linkrel/application	Points to an AXApplication resource
http://identifiers.emc.com/linkrel/indexes	Returns a collection of AXDocIndex resource
http://identifiers.emc.com/linkrel/doc-pages	Points to a collection of doc-pages
http://identifiers.emc.com/linkrel/odma	Points to an AXDocODMA resource
http://identifiers.emc.com/linkrel/thumbnail	Points to an AXDocThumbnails resource
http://identifiers.emc.com/linkrel/doc-viewer	Points to the WebAccess viewer link if it is in the integrated REST service
http://identifiers.emc.com/linkrel/doc-print	Points to AX pages bin file export result resource

http://identifiers.emc.com/linkrel/retention-doc	Points to an AX retention document resource
http://identifiers.emc.com/linkrel/export-job	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": {},
 "@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>
```

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

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,
"IgnoreDlsViolation": 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,
"IngoreDuplicateIndex": false,
"IgnoreDlsViolation": 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,
```

```json
  "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

```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

```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.
http://identifiers.emc.com/linkrel/application	Points to an AXApplication resource
http://identifiers.emc.com/linkrel/indexes	Returns a collection of AXDocIndex resource
http://identifiers.emc.com/linkrel/doc-pages	Points to a collection of doc-pages
http://identifiers.emc.com/linkrel/odma	Points to an AXDocODMA resource
http://identifiers.emc.com/linkrel/thumbnail	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 indexs 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

```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

- 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"
    },

```json
      {
       "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

```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>
```

```xml
<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>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>

```xml
      <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	Optinal, 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
http://identifiers.emc.com/linkrel/doc	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

```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

- 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
http://identifiers.emc.com/linkrel/doc	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

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

- 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

NA

- 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.

- POST

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.

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

- 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--
  ```

- Content-Length
- Content-Type

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

- 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

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

```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" />
    <Page>1</Page>
    <Version>1</Version>
    <HasAnnotation>false</HasAnnotation>
    <HasTextView>false</HasTextView>
  </AXDocPageVersion>
  <AXDocPageVersion
href="/AppXtenderReST/api/AXDataSources/AppXtenderDemo/AXApps/11/AXDocPageVersions/11/1/2">
    <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

- 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

NA

- 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?$skip=0&amp;$top=50
" baseurl="http://localhost">
  <link rel="last"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=150&amp;$top=
50" />
  <link rel="next"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=50&amp;$top=5
0" />
  <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?$skip=50&amp;$top=5
0" />
  <Last rel="last"
href="/AXRESTSvc/api/AXDataSources/AppXtenderDEMO/AXApps/177/AXReportDocPages/3?$skip=150&amp;$top=
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

- Content-Length
- Content-Type

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

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

- 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

- Content-Length
- Content-Type

NA

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

NA

Delete one auto index

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

- DELETE

NA

- Accept

NA

- Content-Length
- Content-Type

NA

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

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

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

- 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}/axdocthumbnails/{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

NA

- 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

- 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 statuts, 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/JK16A420ADC9889E5AF88C2218451512
5C83"
    }]
}
```

- application/vnd.emc.ax+xml

Retreive 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/JK16A420ADC9889E5AF88C2218451512
5C83"
    }]
}
```

- 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 compeleted.

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

Retreive 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

Retreive 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 definited 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

NA

- Content-Length
- Content-Type

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

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

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

- 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": "CZHOUPF12UBG6.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?$skip=0&amp;$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>CZHOUPF12UBG6.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?$skip=50&amp;$top=50" />
<Last rel="last" href="/AppXtenderReST/api/AXDataSources/AppXtenderDEMO/AXAuditTrailEvents?$skip=1600&amp;$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