

# API for Documents v1 (Direct Sales)

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## Overview

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An API to download documents associated with objects. Three categories of documents are supported:

- **Attachments:** These are documents uploaded through the attachment panel on the object. The API supports listing and download of them.
- **Dynamic documents:** These are documents generated from document templates on the object. The API supports listing, generation and download of them. See also [Dynamic Documents](#).
- **Static documents:** These are documents related to BoM items in the configuration result. The API supports listing and download of them. Static documents only exist for ConfiguredProduct and ShoppingCartItem objects.

## API General Info

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### Response Content Type

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It is possible to switch between `json` and `xml` response types by setting an `Accept` header to either `application/json` or `application/xml` respectively.

### Successful Responses

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#### Response Codes

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- **200** - The request was executed successfully and the server returned some data. The return content type is specified inside a response header called `content-type`. Example content types are `application/xml`, `application/json`, `application/zip` and `text/plain`.
- **204** - The request was executed successfully and the server returned no data. If the `Location` header was present then the server responded with a redirect.

### Error Responses

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If the API call resulted in an error then the error code will be returned along with the error object in the response body. The error object contains the attributes listed below:

- **type** - type of the error
- **cause** - the root cause of the error
- **message** - message containing details of the related error
- **uuid** - a unique identifier of the error which also may appear in the exception logs
- **timestamp** - the time of the error

**Note:** For chunked responses, the socket will be closed prematurely if an error occurs after the initial chunk containing the status code has been sent.

#### Response Codes

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- **400** - The request contains invalid parameters or there are invalid settings. Consult the error message and/or check Administration for invalid settings.
- **401** - The user is not authenticated.
- **403** - The user is not authorized access to the specified endpoint.
- **404** - The specified endpoint does not exist or a request parameter is invalid. Consult the error message.
- **405** - The specified endpoint does not support the requested operation. Consult the error message.
- **409** - The specified endpoint is in a state incompatible with the requested operation. Consult the error message.
- **500** - Unknown error occurred while processing the request. Consult the CPQ logs for more information.
- **504** - The specified concurrent calls limit was exceeded and the server was not able to serve the response in a specified timeout limit. That error is always served with the xml body containing the description.

## Endpoints by Category

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### Attachment

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#### POST /api/document/v1/[objectType]/[objectId]/attachment?file=[file]

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Add an attachment.

Parameter	Type	Description
objectType	String	The object resource type.
objectId	String	The object resource id.
file	Binary	Attachment file, can only be uploaded using multipart/form-data.
<i>Result</i>	<a href="#">DocumentResource</a>	

#### PUT /api/document/v1/[objectType]/[objectId]/attachment?file=[file]&documentId=[documentId]

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Update an attachment.

Parameter	Type	Description
objectType	String	The object resource type.
objectId	String	The object resource id.
file	Binary	Attachment file, can only be uploaded using multipart/form-data.
documentId	String	The document resource id.
<i>Result</i>	<a href="#">DocumentResource</a>	

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**DELETE /api/document/v1/[objectType]/[objectId]/attachment?documentId=[documentId]**

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Delete an attachment.

Parameter	Type	Description
objectType	String	The object resource type.
objectId	String	The object resource id.
documentId	String	The document resource id.
<i>Result</i>	<a href="#">DocumentReference</a>	

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**Document**

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**GET /api/document/v1/[objectType]/[objectId]/list?language=[language]**

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Retrieve all documents associated with an object instance, data excluded. When listing documents for a Solution or ShoppingCart, any available documents for related ConfiguredProduct or ShoppingCartItem will also be included in the list.

Parameter	Type	Description
objectType	String	The object resource type.
objectId	String	The object resource id.
language	String (Optional)	The language to list documents for. Only applicable for dynamic

Parameter	Type	Description
		documents. Defaults to 'en' if not specified. @optional
<i>Result</i>	<a href="#">GetDocumentListOutput</a>	

## Download

**GET /api/document/v1/[objectType]/[objectId]/download?documentType=[documentType]&documentId=[documentId]&language=[language]&unitSystemNameOrId=[unitSystemNameOrId]**

Download a specific document.

Parameter	Type	Description
objectType	String	The object resource type.
objectId	String	The object resource id.
unitSystemNameOrId	String (Optional)	The name or id of the UoM system to download the document for. Only applicable for dynamic documents. The latest version of the UoM system will be used. @optional
documentType	String	The document resource type.
documentId	String	The document resource id.
language	String (Optional)	The language to download the document for. Only applicable for dynamic documents. Defaults to 'en' if not specified. @optional
<i>Result</i>	Binary	The document.

**GET /api/document/v1/[objectType]/[objectId]/downloadAllAsZip?documentCategory=[documentCategory]&language=[language]&unitSystemNameOrId=[unitSystemNameOrId]**

Download all documents of the specified category on supported object types as one zip file.

Parameter	Type	Description
objectType	String	The object resource type.
objectId	String	The object resource id.
unitSystemNameOrId	String (Optional)	The name or id of the UoM system to download documents for. Only applicable for dynamic documents. The latest version of the UoM system will be used. @optional
documentCategory	String	The document category to download.
language	String (Optional)	The language to download documents for. Only applicable for dynamic documents supporting the specified language. Defaults to 'en' if not specified. @optional
<i>Result</i>	Binary	The compressed archive of documents.

## Data Types by Category

### Document

#### DocumentReference

A document reference.

```
{
  "documentType" : "", // The document resource type.
  "documentId" : "", // The document resource id.
  "objectType" : "", // The object resource type.
  "objectId" : "" // The object resource id.
}
```

JSON

XML

#### DocumentResource

A document resource.

JSON XML

```
{
  "documentReference" : {
    "documentType" : "", // The document resource type.
    "documentId" : "", // The document resource id.
    "objectType" : "", // The object resource type.
    "objectId" : "" // The object resource id.
  }, // The document reference.
  "document" : {
    "category" : "", // The document category.
    "name" : "", // The document name.
    "url" : "" // The document url.
  } // The document.
}
```

### GetDocumentListOutput

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A get document list output.

JSON XML

```
{
  "documentResourceList" : [
    {
      "documentReference" : {
        "documentType" : "", // The document resource type.
        "documentId" : "", // The document resource id.
        "objectType" : "", // The object resource type.
        "objectId" : "" // The object resource id.
      }, // The document reference.
      "document" : {
        "category" : "", // The document category.
        "name" : "", // The document name.
        "url" : "" // The document url.
      } // The document.
    },
    ...
  ] // The document resource list.
}
```