

API for Generated CAD Documents v1

(Direct Sales)

Overview

An API to download generated CAD documents associated with objects. CAD documents are generated by CAD Automation jobs. This API is an optional feature activated with the [license](#).

API General Info

Response Content Type

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

Response Codes

- **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

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

- **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

Document

GET /api/gencaddoc/v1/[objectType]/[objectId]/list

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

Parameter	Type	Description
objectType	String	The object resource type.
objectId	String	The object resource id.
<i>Result</i>	GetGeneratedCadDocumentListOutput	

Download

GET /api/gencaddoc/v1/[objectType]/[objectId]/download?file=[file]&owner=[owner]

Download a specific generated CAD document.

Parameter	Type	Description
objectType	String	The resource type of associated object.

Parameter	Type	Description
objectId	String	The resource id of associated object.
owner	String	The CAD file owner copied from the CAD file list.
file	String	The CAD file identifier copied from the CAD file list.
<i>Result</i>	Binary	The document.

GET /api/gencaddoc/v1/[objectType]/[objectId]/downloadAllAsZip

Download all generated CAD documents associated with the specified object.

Parameter	Type	Description
objectType	String	The object resource type.
objectId	String	The object resource id.
<i>Result</i>	Binary	The compressed archive of files.

Data Types by Category

Document

GetGeneratedCadDocumentListOutput

Get generated CAD document list.

JSON XML

```
{
  "generatedCadDocumentList" : [
    {
      "file" : "", // The file.
      "type" : "", // The file type.
      "owner" : "", // The file owner.
      "positionIdentifier" : "" // The sub assembly identifier if ap
    },
    ...
  ] // The generated CAD document list.
}
```

