



# myInsight for Documentum

## REST interface documentation

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# 1. Version History

Date	Changes	Version number
25-February-2025	Initial version for myInsight 9.0.	1.0

## 2. Product Description

With myInsight for Documentum, end-users can request reports from predefined report definitions. They can see the reports displayed on their computer screen or receive reports automatically in their e-mail or at a specified location inside or outside the Documentum repository. The preferred format can be chosen by the end-user, without the end-user needing any knowledge about DQL, HTML or XSL.

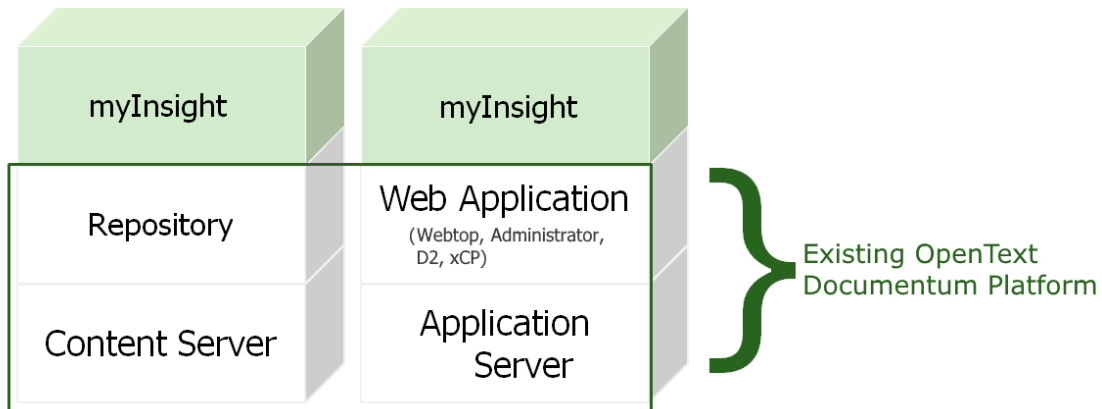
myInsight for Documentum categorizes functionalities according to the user's role in the report generator. There are 3 predefined roles:

- Users in the *Report User* role, which supplies predefined reports from the system, require no knowledge of either DQL or style sheets.
- Users in the *Report Administrator* role can schedule reports so that they are generated automatically at a predefined time and location.
- Users in the *Report Builder* role can define new report specifications by configuring the DQL statements, and they can identify and compose the desired style sheets.

myInsight for Documentum can be accessed by anyone who has been given one of these default roles.

myInsight for Documentum can produce output in any format that can be generated using XSL style sheets. For example: reports can be presented in PDF, HTML, text file, Microsoft Excel spread sheet or Microsoft Word format. myInsight for Documentum can also e-mail the output file automatically. In this case the recipient does not need to be a Documentum user and can even be someone from outside the organisation.

myInsight for Documentum is integrated into Documentum Webtop, Documentum Administrator, Documentum D2 Classic, Documentum Smart View and Documentum xCP, in line with the corporate philosophy of Documentum. This enables end users to work in an environment that they are already familiar with. Due to its full integration within the Documentum environment, no additional components need to be installed on the end user's local machine.



**Figure 1: myInsight integration into the OpenText Documentum platform**

As shown in the previous figure, myInsight for Documentum components are located on both Repository level as Web Application Level. Both use standard OpenText | Documentum subcomponents for its functionality.

As of version 7.0, myInsight for Documentum can be installed separate from the Content Server.

In December 2015 euroscript has been renamed to Amplexor. The product euroscript Documentum Report Generator has been renamed to myInsight for Documentum. In 2020, Amplexor joined the Acolad Group under the name Acolad Digital. In October 2023, Acolad Digital became AmeXio.

For the reader's convenience, the abbreviation 'myInsight' will be used in this document, instead of the full product title 'myInsight for Documentum'.

## 2.1. Document Description

When installed, myInsight REST interface provides a number of REST endpoints that can be used to interact with myInsight. The following options are available:

- Get the available report categories and definitions.
- Retrieve available options for how to run the report.
- Generate the report.
- Download the generated report.

## 3. Gaining access and authentication

### 3.1. Base paths

With a standard myInsight REST installation, the endpoints will be available at

**<BASE URL>/repositories/{repositoryName}/myinsight**

For example, in a D2 REST environment an endpoint may be

*http://localhost:8080/d2rest/repositories/repo/myinsight/report-definitions*

If you want to make sure that an endpoint will keep working the same way after upgrading, you can add */v.9.0/* after myinsight. This will ensure no major changes are applied after upgrading. For example, the endpoint above will become

*http://localhost:8080/d2rest/repositories/repo/myinsight/v9.0/report-definitions*

### 3.2. Authentication

Authentication is done via the standard Documentum endpoints. Check the OpenText documentation for more information.

### 3.3. Access swagger documentation

With a standard myInsight REST installation, the online version will be shown at

**<BASE URL>/static/myinsight-api/index.html**

For example, in a Smartview environment this may be

*http://localhost:8080/d2rest/static/myinsight-api/index.html*

## 4. Rest Endpoints

### 4.1. myInsight root endpoints

#### 4.1.1. Version

##### GET

##### **/repositories/{repositoryName}/myinsight/version**

Get current and supported myInsight for Documentum REST services versions.

##### Parameters

**repositoryName** path      name of the repository

##### Response codes

200      **OK**

Example value

```
{
  "supported": [
    "9.0"
  ],
  "default": "9.0"
}
```

401      *unauthorized*

### 4.2. reportCategory

#### 4.2.1. Root report categories

##### GET

##### **/repositories/{repositoryName}/myinsight/report-categories**

Get the root report categories.

##### Parameters

<b>repositoryName</b>	path	name of the repository
inline	query	If true, will display content of objects
links	query	show additional links

**Note**Values in **bold** are required**Response codes**200 **OK**

Example value

```
{
  "id": "<base_url>/repositories/repo/myinsight/report-categories",
  "entries": [
    {
      "id": "<base_url>/repositories/repo/myinsight/report-
categories/0b0000018000bdaa",
      "title": "Standard Reports",
      "summary": "my_report_category 0b0000018000bdaa",
      "updated": "2024-07-12T12:27:50.882+00:00",
      "published": "2024-07-12T12:27:50.882+00:00",
      "content": {
        "type": "my_report_category",
        "properties": {
          "r_object_id": "0b00000180050db0",
          "object_name": "Category Folder",
          "category_path": "Test Reports/Category Folder"
        }
      }
    }
  ]
}
```

Some generic values like links to other endpoints have been left out. Online documentation has the full example.

- 400 *bad request*
- 401 *unauthorized*
- 500 *internal server error*

**4.2.2. Report category by path****GET****/repositories/{repositoryName}/myinsight/report-categories/by-path**

Get a report category matching path from root report category.



**Parameters**

<b>repositoryName</b>	path	name of the repository
<b>path</b>	query	name of the repository
inline	query	If true, will display content of objects
links	query	show additional links

**Note**

Values in **bold** are required

**Response codes**

200 **OK**

Example value

```
{
  "type": "my_report_category",
  "properties": {
    "r_object_id": "0b0000018000bdaa",
    "object_name": "Standard Reports",
    "category_path": "Test Reports/Standard Reports"
  }
}
```

Some generic values like links to other endpoints have been left out. Online documentation has the full example.

400 *bad request, supplied path is not valid*

401 *unauthorized*

404 *report category not found*

500 *internal server error*

**4.2.3. Report categories****GET**

**/repositories/{repositoryName}/myinsight/report-categories/{categoryId}/report-categories**

Get report categories under another report category.

**Parameters**

<b>repositoryName</b>	path	name of the repository
-----------------------	------	------------------------

<b>categoryId</b>	path	ID of the report category
inline	query	If true, will display content of objects
links	query	show additional links

**Note**Values in **bold** are required**Response codes**200 **OK**

Example value

```
{
  "id": "<base_url>/repositories/repo/myinsight/report-categories",
  "entries": [
    {
      "id": "<base_url>/repositories/repo/myinsight/report-
categories/0b0000018000bdaa",
      "title": "Standard Reports",
      "summary": "my_report_category 0b0000018000bdaa",
      "updated": "2024-07-12T12:27:50.882+00:00",
      "published": "2024-07-12T12:27:50.882+00:00",
      "content": {
        "type": "my_report_category",
        "properties": {
          "r_object_id": "0b00000180050db0",
          "object_name": "Category Folder",
          "category_path": "Test Reports/Category Folder"
        }
      }
    }
  ]
}
```

Some generic values like links to other endpoints have been left out. Online documentation has the full example.

400 *bad request*  
401 *unauthorized*  
500 *internal server error*

**4.2.4. Report definitions****GET**

**/repositories/{repositoryName}/myinsight/report-categories/{categoryId}/report-definitions**

Get report definitions under another report category.

## Parameters

<b>repositoryName</b>	path	name of the repository
<b>categoryId</b>	path	ID of the report category
inline	query	If true, will display content of objects
links	query	show additional links



### Note

Values in **bold** are required

## Response codes

200 **OK**

Example value

```
{
  "id": "<base_url>/repositories/repo/myinsight/report-categories",
  "entries": [
    {
      "id": "<base_url>/repositories/repo/myinsight/report-
categories/090000018004e579",
      "title": "calendar Reports",
      "summary": "my_report_definition 090000018004e579",
      "updated": "2024-07-12T12:27:50.882+00:00",
      "published": "2024-07-12T12:27:50.882+00:00",
      "content": {
        "type": "my_report_definition",
        "properties": {
          "r_object_id": "090000018004e579",
          "object_name": "calendar",
          "description": "",
          "category_path": "Test Reports/terry_test",
          "presentation-names": [
            "calendar"
          ]
        }
      }
    }
  ]
}
```

Some generic values like links to other endpoints have been left out. Online documentation has the full example.

400 *bad request*  
 401 *unauthorized*  
 500 *internal server error*

## 4.3. Report definition

### 4.3.1. Report definition by path

#### GET

#### **/repositories/{repositoryName}/myinsight/report-definitions/by-path**

Get a report definition matching path from root report category.

#### Parameters

<b>repositoryName</b>	path	name of the repository
<b>path</b>	query	Path from the root report category, split by /. For example 'Standard Reports/Repository Reports/Lifecycles/Documents per Status'
is-sv-default	query	set to true if the report is called from Smartview landing page
inline	query	If true, will display content of objects
links	query	show additional links



#### Note

Values in **bold** are required

#### Response codes

200 **OK**

Example value

```
{
  "type": "my_report_definition",
  "properties": {
    "r_object_id": "090000018004e579",
    "object_name": "calendar",
    "description": "",
    "category_path": "Test Reports/Standard Reports",
    "presentation-names": [
      "calendar"
    ]
  }
}
```

Some generic values like links to other endpoints have been left out. Online documentation has the full example.

400	<i>bad request, supplied path is not valid</i>
401	<i>unauthorized</i>
404	<i>report definition not found</i>
500	<i>internal server error</i>

### 4.3.2. Get report definitions by object type

#### GET

#### **/repositories/{repositoryName}/myinsight/report-definitions/using-object-type**

Get report definitions that have a variable that uses the object type or any supertype.

#### Parameters

<b>repositoryName</b>	path	name of the repository
<b>type</b>	query	Object type used by a variable in the report. For example, my_report_category will find any report that uses my_report_category, dm_folder or dm_sysobject in any variable that is not hidden. The variable can be defined in the report itself or any report category above it.
is-sv-default	query	set to true if the report is called from Smartview landing page
inline	query	If true, will display content of objects
links	query	show additional links



#### Note

Values in **bold** are required

#### Response codes

200 **OK**

Example value

```
{
  "id": "<base_url>/repositories/repo/myinsight/report-categories",
  "entries": [
    {
      "id": "<base_url>/repositories/repo/myinsight/report-
definitions/090000018004e579",
      "title": "Document history",
      "summary": "my_report_definition 090000018004e579",
      "updated": "2024-07-12T12:27:50.882+00:00",
      "published": "2024-07-12T12:27:50.882+00:00",
      "content": {
        "type": "application/vnd.emc.documentum+json",
        "src": "<base_url>/repositories/repo/myinsight/report-
definitions/090000018001954a"
      }
    }
  ]
}
```

Some generic values like links to other endpoints have been left out. Online documentation has the full example.

400 *bad request, type is missing*401 *unauthorized*500 *internal server error*

### 4.3.3. Get a report definition

#### GET

**/repositories/{repositoryName}/myinsight/report-definitions/{definitionId}**

Get a report definition.

#### Parameters

<b>repositoryName</b>	path	name of the repository
<b>definitionId</b>	path	ID of the Report Definition
is-sv-default	query	set to true if the report is called from Smartview landing page
inline	query	If true, will display content of objects
links	query	show additional links

**Note**Values in **bold** are required**Response codes**200 **OK**

Example value

```
{
  "type": "my_report_definition",
  "properties": {
    "r_object_id": "090000018004e579",
    "object_name": "calendar",
    "description": "",
    "category_path": "Test Reports/Standard Reports",
    "presentation-names": [
      "calendar"
    ]
  }
}
```

Some generic values like links to other endpoints have been left out. Online documentation has the full example.

401 *unauthorized*404 *report definition not found*500 *internal server error***4.3.4. Get a report dialog information****GET**

**/repositories/{repositoryName}/myinsight/report-definitions/{definitionId}/run-dialog**

Get a report dialog information.

**Parameters**

<b>repositoryName</b>	path	name of the repository
<b>definitionId</b>	path	ID of the Report Definition
is-sv-default	query	set to true if the report is called from Smartview landing page
inline	query	If true, will display content of objects

**Note**Values in **bold** are required**Response codes**200 **OK**

Example value

```

{
  "presentations": [
    {
      "index": "0",
      "name": "fi"
    },
    {
      "index": "1",
      "name": "PDF"
    }
  ],
  "user_can_choose_destination": false,
  "variables": [
    {
      "index": "0",
      "variable": "var1",
      "type": "STRING",
      "label": "var1",
      "mandatory": true,
      "repeating": false,
      "default_value": [
        "abc"
      ]
    },
    {
      "index": "1",
      "variable": "objects",
      "type": "OBJECT",
      "label": "objects",
      "mandatory": true,
      "repeating": false,
      "allowed_types": [
        "my_usage_report",
        "my_saved_settings",
        "my_usage_schedule"
      ]
    }
  ]
}

```

Some generic values like links to other endpoints have been left out. Online documentation has the full example.

400 *bad request*  
 401 *unauthorized*  
 500 *internal server error*



### 4.3.5. Get allowed variable values

#### POST

#### **/repositories/{repositoryName}/myinsight/report-definitions/{definitionId}/allowed-variable-values**

Get a list of available values for a choice list variable.

#### Parameters

<b>repositoryName</b>	path	name of the repository
<b>definitionId</b>	path	ID of the Report Definition
presentation	query	report presentation index, set to 0 by default
is-sv-landing-page	query	set to true if the report is called from Smartview landing page
<b>variable</b>	query	name of the variable to get the values of



#### Note

Values in **bold** are required

#### Request body

```
{
  variables [      // list of dependent variables, optional
    {
      name,        // name of the variable
      values [     // list of variable values to set
      ]
    }
  ]
}
```

#### Example

```
{
  "variables": [
    {
      "name": "{moretypes}",
      "values": [
        "my_report_schedule",
        "my_report_presentation"
      ]
    }
  ]
}
```

## Response codes

200     **OK**  
           Example value

```
{
  "allowed_values": [
    {
      "value": "104",
      "label": "104"
    },
    {
      "value": "98",
      "label": "98"
    }
  ]
}
```

400     *bad request*  
 401     *unauthorized*  
 500     *internal server error*

### 4.3.6. Run a report

#### POST

**/repositories/{repositoryName}/myinsight/report-definitions/{definitionId}/run-report**

Run a report and return a download link.

#### Parameters

<b>repositoryName</b>	path	name of the repository
<b>definitionId</b>	path	ID of the Report Definition
is-sv-landing-page	query	set to true if the report is called from Smartview landing page
links	query	show additional links



#### Note

Values in **bold** are required

#### Request body

```
{
  presentation,           // presentation index, defaults to 0
}
```

```

    save_variables,      // save chosen variables for next time
this report is run, defaults to false
    history_from,      // If historic data is enabled, set
history from
    history_to,        // If historic data is enabled, set
history to
    run_now,           // Runs the report right away. Relevant in
historic data context. Defaults to null
    destination_type, // Run report destination type. Can
be Repository or EMAIL
    destination,      // Run report destination
variables [           // list of variable values
    {
        name,         // name of the variable
        values [     // variable values
            ]
        }
    ]
}

```

### Example

```

{
  "variables": [
    {
      "name": "object1",
      "values": [
        "09000001800511d6"
      ]
    }
  ]
}

```

### Response codes

200 **A report was generated. If an ID was included in the result, a download link will be added.**

Example value

```
{
  "run_status": "OK_WITH_ID",
  "stored_on_server": false,
  "links": [
    {
      "rel": "report-definitions",
      "title": "Download report",
      "href": "<base_url>/repositories/repo/objects/0900000180053118/content-media"
    }
  ]
}
```

Some generic values like links to other endpoints have been left out. Online documentation has the full example.

400 *bad request*

401 *unauthorized*

500 *internal server error*

Example value

```
{
  "status": 500,
  "code": "LICENSE_TOO_MANY_USERS",
  "message": "There are too many report users in the repository for the current license.",
  "details": "Some additional text",
  "id": "3fec71d3-19cd-40fe-9ab0-ed3644909140"
}
```

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