

Qlik NPrinting API

You can extend your reporting system by using the Qlik NPrinting API. This is a guide for code developers who need to write software that uses the Qlik NPrinting APIs.

API Stability: Experimental.

Deprecation period: None, can change at any point and should be used only to evaluate upcoming functionality.
Version: 0.1.0

Methods

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GET /apps

Generates the list of Qlik NPrinting Apps.

This endpoint returns the complete list of Qlik NPrinting Apps visible to the user. The list is filtered based on caller permissions that are always applied. So a user can see only the apps he is authorized to see, also by using APIs.

The response includes the title and other details about each app, and lists them in the proper display order.

Query parameters

sort (optional)

Query Parameter – Comma separated list of fields to use for sorting the entries.

Allowed field values are "name" and "created".

Fields can be prefixed by "+" and "-" to indicate, respectively, ascending and descending order.

Usage example: /apps?sort=+name,-created

offset (optional)

Query Parameter – The number of entries to skip. Default is 0. default: 0

limit (optional)

Query Parameter – The maximum number of entries to return. Default is 50. default: 50

Return type

[AppList](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**

A paginated list of apps. [AppList](#)

400

The query string of parameters is malformed. [Error](#)

403

User has no right to view the apps list. [Error](#)

GET /apps/{id}[Up](#)

Returns the details of a specific app.

This endpoint returns detailed information about the specified app. Requested app must be visible to the user that runs the request.

Path parameters**id (required)**

Path Parameter – The id of the app

Return type

[inline response 200](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**

The app details [inline response 200](#)

400

The id parameter is malformed. [Error](#)

403

User has no rights to view the specified app. [Error](#)

404

The app with the given id does not exist. [Error](#)

GET /filters[Up](#)

Returns the list of filters.

Returns the list of filters that are visible to the user (filtering based on caller permissions is always applied).

The response includes the title and other details about each filter, and lists them in the proper display order.

Query parameters**appId (optional)**

Query Parameter – The id of the app to be used as filter.

sort (optional)

Query Parameter – A comma separated list of fields used for sorting the entries.

Allowed field values are "name" and "created". Fields can be prefixed by "+" and "-" to indicate, respectively, ascending and descending order.

Usage example: /apps?sort=+name,-created

offset (optional)

Query Parameter – The number of entries to skip. Default is 0. default: 0

limit (optional)

Query Parameter – The maximum number of entries to return. Default is 50. default: 50

Return type

[FilterList](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

A paginated list of filters. [FilterList](#)

400

Parameters of the query string are malformed. [Error](#)

403

User has no rights to view the filters list. [Error](#)

GET /filters/{filterId}

[Up](#)

Get details of the specified filter.

Returns the details of the specified filter.

Path parameters

filterId (required)

Path Parameter – The id of the filter.

Return type

[inline response 200 1](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

The filter. [inline response 200 1](#)

400

The filter id parameter is malformed. [Error](#)

403

User has no rights to view the filter. [Error](#)

GET /login/ntlm

[Up](#)

Authenticate the caller by using NTLM authentication.

This call must be done to acquire the authentication cookies. Subsequent calls will reuse the authentication cookies to

authenticate the caller.

Javascript clients must pass the ntlm token using XHR credentials.

See here for examples:

```
// Plain javascript
// https://developer.mozilla.org/en-US/docs/Web/API/XMLHttpRequest/withCredentials

var xhr = new XMLHttpRequest();
xhr.open('GET', 'http://example.com:port/api/v1/login/ntlm', true);
xhr.withCredentials = true;
xhr.send(null);

// JQuery
// http://api.jquery.com/jquery.ajax/

$.ajax({
  url: 'http://example.com:port/api/v1/login/ntlm',
  xhrFields: {
    withCredentials: true
  }
});
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

User is authenticated.

403

User is not authenticated. User may not be in the system, not bound to a windows domain or not authorized to use the APIs.

GET /ondemand/requests

[Up](#)

Get the list of On-Demand requests.

Returns the list of all On-Demand requests queued by the user that runs the command.

Query parameters

appId (optional)

Query Parameter – The id of the app to be used as filter.

reportId (optional)

Query Parameter – The id of the report to be used as filter.

sort (optional)

Query Parameter – A comma separated list of fields to be used for sorting the entries.

Allowed field values are "name" and "created".

Fields can be prefixed by "+" and "-" to indicate, respectively, ascending and descending order.

Usage example: /requests?sort=+name,-created

offset (optional)

Query Parameter – The number of entries to skip. Default is 0. default: 0

limit (optional)

Query Parameter – The maximum number of entries to return. Default is 50. default: 50

Return type

[OnDemandRequestStatusList](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Returns a paginated list of status of requests. [OnDemandRequestStatusList](#)

403

User has no rights to read the On-Demand requests list. [Error](#)

POST /ondemand/requests

[Up](#)

Enqueue a new On-Demand request.

This endpoint queues a new report generation request.

It returns the request id to use for subsequent status polling and download.

Request body

request (required)

Body Parameter – The request

Return type

[OnDemandRequestStatus](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

202

The request has been queued. [OnDemandRequestStatus](#)

400

One of the following error:

- Request syntax is malformed.
- A report with the given id does not exist.
- A Qlik entity report was requested, but the entityid is not defined or does not exist.
- The requested output format is not supported by the requested report. [Error](#)

403

User has no rights to run an On-Demand request. [Error](#)

GET /ondemand/requests/{requestId}

[Up](#)

Get details of a specific On-Demand request.

Returns details of an On-Demand request queued by the user by giving its request id.

Path parameters

requestId (required)

Path Parameter – The request id.

Return type[inline_response_200_2](#)**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**

Return details of the specified On-Demand request. [inline_response_200_2](#)

400

The request Id is malformed. [Error](#)

403

User has no rights to read the On-Demand request. [Error](#)

404

The request does not exist or it could be expired. [Error](#)

DELETE /ondemand/requests/{requestId}

[Up](#)

Stop and delete an existing On-Demand request.

Stops and deletes a request. Its status will be set to 'canceled'.

Path parameters**requestId (required)**

Path Parameter – the request id

Return type[OnDemandRequestStatus](#)**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**

Return details of the On-Demand request. [OnDemandRequestStatus](#)

400

The request id is malformed. [Error](#)

403

User has no rights to delete the On-Demand request. [Error](#)

404

The request does not exist or it could be expired. [Error](#)

PATCH /ondemand/requests/{requestId}

[Up](#)

Updates the status of the specified request. Currently, this method is used only to abort a request by patching the status field to the "aborted" value.

Abort an existing On-Demand request. The request is removed from the queue and stopped if it is running.

Request status will be set to 'aborted'.

Path parameters**requestId (required)**

Path Parameter – the request id

Request body

patch (required)

Body Parameter – the status patch

Return type

[OnDemandRequestStatus](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Return details of the On-Demand request. [OnDemandRequestStatus](#)

400

The id of the request is malformed or the patch body is malformed. Only patch to status:"aborted" is allowed.

[Error](#)

403

User has no rights to abort the On-Demand request. [Error](#)

404

The request does not exist or it could be expired. [Error](#)

GET /ondemand/requests/{requestId}/result

[Up](#)

Get the result of a specific On-Demand request.

Returns result of a specific On-Demand request of type "report" by giving its request id.

If the request exists but is of type "task" this method returns a 404 error.

Content-type depends on the report output format passed in the original request. It can be one among:

- application/msword
- application/vnd.openxmlformats-officedocument.wordprocessingml.document
- application/vnd.ms-word.document.macroEnabled.12
- application/vnd.ms-excel
- application/vnd.openxmlformats-officedocument.spreadsheetml.sheet
- application/vnd.ms-excel.sheet.macroEnabled.12
- application/vnd.ms-powerpoint
- application/vnd.openxmlformats-officedocument.presentationml.presentation
- application/vnd.ms-powerpoint.presentation.macroEnabled.12
- application/pdf
- image/png
- image/jpeg
- image/tiff
- image/bmp
- text/csv
- text/plain

Path parameters

requestId (required)

Path Parameter – The request id.

Produces

This API call produces the following media types according to the Accept request header; the media type will be

conveyed by the Content-Type response header.

- application/json

Responses

200

If the request is of type "report", it will return the binary result file (base64 encoded).

400

The id of the request is malformed. [Error](#)

403

User has no rights to download the On-Demand request result. [Error](#)

404

The type of the request was "task" or the request id did not exist (request could be expired and purged from the cache as well). [Error](#)

GET /reports

[Up](#)

Get the list of reports.

Returns the list of reports filtered by the rights of the user that made the request.

The response includes the title and other details about each report, and lists them in the proper display order.

The list is filtered based on caller permissions.

Query parameters

appId (optional)

Query Parameter – The id of the app used as filter.

sort (optional)

Query Parameter – A comma separated list of fields to be used for sorting the entries.

Allowed field values are "title" and "created". Fields can be prefixed by "+" and "-" to indicate, respectively, ascending and descending order.

Usage example: /apps?sort=+title,-created

offset (optional)

Query Parameter – The number of entries to skip. Default is 0. default: 0

limit (optional)

Query Parameter – The maximum number of entries to return. Default is 50. default: 50

Return type

[ReportList](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

A paginated list of reports. [ReportList](#)

400

Parameters of the query string are malformed. [Error](#)

403

User has no rights to view the list of reports. [Error](#)

[Up](#)

GET /reports/{reportId}

Report details.

Returns the details about the specified report.

Path parameters

reportId (required)

Path Parameter – The report id.

Return type

[inline response 200 3](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

The report. [inline response 200 3](#)

400

The report id is malformed. [Error](#)

403

User has no rights to view the report. [Error](#)

[Up](#)

Models

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App

id (optional)

[Up](#)

[String](#) The unique identifier that represents a specific app.

created (optional)

[Date](#) Creation date in RFC 3339 format.

name (optional)

[String](#) The name of the NPrinting app.

description (optional)

[String](#) Description of the app.

AppList

[Up](#)

data (optional)

[AppList_data](#)

Report

[Up](#)

id (optional)

[String](#) The unique identifier that represents a specific report.

created (optional)

[Date](#) Creation date in RFC 3339 format.

title (optional)

[String](#) The name of the report.

description (optional)

[String](#) The description of the report.

type (optional)

[String](#) The type of the report.

Enum:

Excel
Html
PowerPoint
QlikEntity
Word
PixelPerfect

outputFormats (optional)

[array\[String\]](#)

entityId (optional)

[String](#) The Qlik entity id. It is specified only if its type is "QlikEntity"

ReportList

[Up](#)

data (optional)

[ReportList_data](#)

Filter

[Up](#)

id (optional)

[String](#) The unique identifier that represents a specific filter.

created (optional)

[Date](#) Creation date in RFC 3339 format.

name (optional)

[String](#) The name of the filter.

description (optional)

[String](#) The description of the filter.

FilterList

[Up](#)

data (optional)
[FilterList_data](#)

Error

[Up](#)

error (optional)
[Error_error](#)

OnDemandRequest

[Up](#)

type (optional)
[String](#) it must be "report" or "task". "task" type is not supported at the moment.

Enum:
report
task

config (optional)
[OnDemandRequest_config](#)

filters (optional)
[OnDemandRequest_filters](#)

OnDemandRequestStatus

[Up](#)

id (optional)
[String](#)

created (optional)
[Date](#)

status (optional)
[String](#)

Enum:
queued
running
completed
failed
aborted

title (optional)
[String](#)

requestType (optional)
[String](#) it must be "report" or "task". "task" type is not supported at the moment.

Enum:
report
task

reportType (optional)
[String](#)

Enum:
Excel
Html
PowerPoint
QlikEntity
Word
PixelPerfect

OnDemandRequestStatusList

[Up](#)

data (optional)
[OnDemandRequestStatusList_data](#)

| | |
|--|--------------------|
| inline_response_200 data (optional) App | Up |
| inline_response_200_1 data (optional) Filter | Up |
| inline_response_200_2 data (optional) OnDemandRequestStatus | Up |
| patch status (optional) String | Up |
| inline_response_200_3 data (optional) Report | Up |
| AppList_data totalItems (optional) Integer offset (optional) Integer limit (optional) Integer items (optional) array[App] | Up |
| ReportList_data totalItems (optional) Integer offset (optional) Integer limit (optional) Integer items (optional) array[Report] | Up |
| FilterList_data totalItems (optional) Integer offset (optional) Integer | Up |

limit (optional)

[Integer](#)

items (optional)

[array\[Filter\]](#)

Error_error

code (optional)

[Integer](#)

message (optional)

[String](#)

[Up](#)

OnDemandRequest_config

reportId (optional)

[String](#)

outputFormat (optional)

[String](#)

Enum:

pdf

doc

ppt

xls

docx

pptx

xslx

docm

pptm

xslm

csv

skv

jpeg

png

tiff

bmp

[Up](#)

OnDemandRequest_filters

initialBookmark (optional)

[String](#)

additionalFilters (optional)

[array\[String\]](#)

[Up](#)

OnDemandRequestStatusList_data

totalItems (optional)

[Integer](#)

offset (optional)

[Integer](#)

limit (optional)

[Integer](#)

items (optional)

[array\[OnDemandRequestStatus\]](#)

[Up](#)