

Approval queue connector API

Microsoft Windows 7, 8, 8.1 and Srv 2003, 2008, 2011 (32 – 64 bits)

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tFlow Approval is a web platform which streamlines the approval process between creatives, marketing departments, pre-press and printing houses, and customers. It provides a quick and efficient way to collaborate and approve projects, avoiding lengthy email and file exchanges.

Approval allows users to deliver documents electronically, store and organize revisions, add and view comments and annotations, check the incoming PDFs (preflight), and to approve final assets. Approval can also be connected to other systems such as MIS, Web2Print, RIPS, or tFlow production for a fully automated workflow.

Approval API description (DRAFT)

Information about a Record Type

GET / object

Retrieve information about retrieving object records, including what fields will be returned and what child records are available for retrieval.

PUT / object

Retrieve information about updating object records, including possible values for fields.

POST / object

Retrieve information about creating object records, including what fields are required and possible values.

DELETE /object

Retrieve information about deleting object.

Approval 3rd part connectors API description (DRAFT)

Approval webapp is managing a special internal queue called “dispatch queue” that is used to list all the Approved (and Released) PDFs that must be delivered to connected external system to their published queues.

Command

tflow

Methods

get_downloads

Description

This command is used with two purposes:

- 1- send to Approval the list of published queues
- 2- query for approved PDFs to download

Parameters

Parameter	Type	Default	Description
tlk	string		Mandatory. Authorization token. MD5 coded string containing the unique token assigned to the system we want to connect to Approval. This key must be added in Approval to authorize the system to the connection. Must be a fixed assigned value to each instance.
tflow_id	string		Mandatory. The id of the system. This field could be the product serial number or any unique string
tflow_name	string		Mandatory. The published name of the system. This string will be listed into Approval queue selector. It is recommended to enter something human readable.
queue_name_csv	string		Mandatory. Comma separated list of the queue(s) to publish. Can be empty.

queue_id_csv	string	Mandatory. Comma separated values of the id of the published queue(s). Can be empty.
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Ex1:

```
curl -F "op=get_downloads" -F "tlk=6ce9605be294eac2619ccef1ebcdca07" -F "tflow_id=815" -F "tflow_name=Pressero" -F "queue_name_csv=Connector" -F "queue_id_csv=99"
http://127.0.0.1:8000/be/g.php?cmd=tflow
```

Ex2:

```
curl -F "op=get_downloads" -F "tlk=6ce9605be294eac2619ccef1ebcdca07" -F "tflow_id=1000" -F "tflow_name=Rip" -F "queue_name_csv=queue_name1, queue_name_2" -F "queue_id_csv=1,2"
http://127.0.0.1:8000/be/g.php?cmd=tflow
```

The reply is returned in JSON format. The JSON contains 2 main fields:
Result and Records.

- Results can have 2 values: “OK” or “ERROR”
- Records contain an array with a list of all the PDFs ready to be downloaded.

Here is an example:

```
{
  "Result": "OK",
  "Records": [
    {
      "id_tflow_download": 16,
      "tflow_id": 815,
      "tflow_name": "Pressero",
      "queue_id": 99,
      "queue_name": "Connector",
      "creation_time": "2015-01-13 10:24:56.185+01",
      "download_state": "ready",
      "fk_id_job": 206,
      "original_filename": "2014Motif Brochure v06.pdf",
      "url": "http://127.0.0.1:8000/download.php?id_revision=257&sub=preflight",
      "path": "/repository/1/54/206/257/preflight/1.pdf"},
    {
      "msec": 0.053251981735229}
  ]
}
```

Error messages:

\$error = 'Turbine is not licensed in Approval'

this error means that the submitted token (tlk value) is not set in Approval settings.

\$error = 'tflow_id parameter not set';

The id key is not set

\$error = 'tflow_name parameter not set';

the name value (used to display in queue selector of Approval) is not set.

\$error = 'queue_id_csv parameter not set';

the var queue_id_csv is not set, this var can be empty but shall be passed

\$error = 'queue_name_csv parameter not set';

the var queue_name_csv is not set, this var can be empty but shall be passed

OK message:

If the parameters are all properly formatted then Approval replies with "OK".

If some PDFs are waiting to be downloaded then the "Records" array is filled.

```
{ "id_tflow_download":16,  
  "tflow_id":815,  
  "tflow_name":"Pressero",  
  "queue_id":99,  
  "queue_name":"Connector",  
  "creation_time":"2015-01-13 10:24:56.185+01",  
  "download_state":"ready",  
  "fk_id_job":206,  
  "original_filename":"2014Motif Brochure v06.pdf",  
  "url":"http://127.0.0.1:8000/download.php?id_revision=257&sub=preflight",  
  "path":"/repository/1/54/206/257/preflight/1.pdf"},  
  "msec":0.053251981735229}
```

In the arrays the meaning of the fields is:

"id_tflow_download": progressive ID number of the download assigned by Approval

"tflow_id":	ID value passed to Approval at connection time
"tflow_name"	Name of connected system
"queue_id"	ID of the queue
"queue_name"	Name of the queue
"creation_time"	date time
"download_state"	the state of the download, values are: 'ready', 'progress', 'end_ok', 'end_ko', 'timeout'
"fk_id_job"	ID of the job
"original_filename"	the original filename of the Artwork
"url":	the complete url of the preflighted document
"path":	the full path where is located the pdf to download

In order to download a PDF the path is built this way:

`$download = $Approval_url + Records[n].path`

In the sample here above the path will be:

<http://ip:port/repository/1/54/206/257/preflight/1.pdf>

the file should be saved using the original_filename: "2014Motif Brochure v06.pdf"

Command

tflow

Methods

end_download

Description

This command is used after a successful download to remove the PDF from the Approval dispatch queue.

Parameters

Parameter	Type	Default	Description
tk	string		Mandatory. Authorization token. MD5 coded string containing the unique token assigned to the system we want to connect to Approval. This key must be added in Approval to authorize the system to the connection. Must be a fixed assigned value to each instance.
id_tflow_download	string		Mandatory. Progressive ID number of the download assigned by Approval
download_state	string		Mandatory. The state of the download. Values can be: - "end_ok" if the download has been successfully completed - "end_ko" in case of transmission errors

The reply is returned in JSON format. The JSON contains one field.

-Results can have 1 value: "OK".