Endpoints:

* /template – Workpaper Template API
* /wpaper – Workpaper User Data API

A simple search portal for both the template and user data is available here. => <http://glm-ml-dev.amers1.cis.trcloud:8010/>

**/template**

|  |  |
| --- | --- |
| **Actions** | **Features** |
| GET | Get template file, Get list of template files, and Search template files |
| PUT | Update a specific template file using a template Id and JSON payload. |
| POST | Create a new template file using a spreadsheet file upload. |
| DELETE | Delete a specific template using the template id. |

**/wpaper**

|  |  |
| --- | --- |
| **Actions** | **Features** |
| GET | Get user data document, Get list of user data documents, and Search data documents. |
| PUT | Update a specific template file using a template Id and JSON payload. |
| POST | Create a new user data document using a JSON payload or JSON file upload. |
| DELETE | Delete a specific user data document using the user data document id. |

/wpaper payload uses a JSON document format. The JSON document is an array of name/value pairs as follows.

{  
"dnames":  
[  
 {"name":"I\_0001", "value":"1001.25"},   
 {"name":"I\_0002", "value":"1002.25"},   
 {"name":"BegMnA.block","value":"44442.98"},  
 {"name":"EndMnA.block","value":"17772.34"},  
 {"name":"EndMnA.block","value":"27772.34"}  
]  
}

Endpoint Details:

1. Workpaper Template API – Used for Workpaper Template CRUD and Search Operations

| # | Type | Parameters | Action |
| --- | --- | --- | --- |
| 1 | GET | **Parameters:**  rs:id – Template ID  **Example:**  /template?rs:id=8216640002390149622 | Returns specific template spreadsheet file.  **Curl Commands:**   1. GET Binary by Template ID 3857790183476763686:   curl --anyauth --user grusso:password -o templateC5903000.xlsx -X GET \  -H "Accept: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet" \  -r "0-511999" \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/template?rs:id=3857790183476763686 |
| 2 | GET | **Parameters:**  rs:q – Search Term  rs:pg – page (not yet implemented)  rs:ps – page size  **Example:**  /template?rs:q=BEPS AND juris:Brazil | Searches templates using terms especially Ontology terms.  Returns list of templates with search relevance scores.  **Curl Commands:**   1. GET List of Templates using a search term: BEPS AND juris:Brazil   curl --anyauth --user grusso:password -X GET \  -H "Accept: application/xml" \  "http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/template?rs:q=BEPS AND juris:Brazil" |
| 3 | GET | **Parameters:**  rs:pg – page (not yet implemented)  rs:ps – page size  **Example:**  /template?rs:pg=2&rs:ps=10 | Returns the list of IDs and URIs of all Template Excel files. Pagination parameters are not yet implemented.  **Curl Commands:**   1. GET List of Templates using a search term: BEPS AND juris:Brazil   curl --anyauth --user grusso:password -X GET \  -H "Accept: application/xml" \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/template |
| 4 | PUT | **Parameters:**  rs:id – template ID  **Example:**  /template?rs:id=7940446531123017941 | Updates (overwrites) an existing Template file.  The payload is the binary Excel file.  Returns the template ID and URI.  **Curl Commands:**   1. PUT Template File – update existing template file if one exists.   curl -X PUT --data-binary @./C5903000.xlsx \  --header "Content-Type:application/vnd.openxmlformats-officedocument.spreadsheetml.sheet" \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/template?rs:id=7940446531123017941 |
| 5 | POST | **Parameters:**  rs:filename – optional  **Examples:**  /template  /template?fs:filename=C590300 | Creates a new Template file.  If no filename is provided then a filename is auto generated.  The payload is the binary Excel file.  Returns the template ID and URI.  **Curl Commands:**   1. POST Template File with desired filename.   curl -X POST --data-binary @./C5903000.xlsx \  --header "Content-Type:application/vnd.openxmlformats-officedocument.spreadsheetml.sheet" \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/template?rs:filename=C5903000 |
| 6 | DELETE | **Parameters:**  rs:id – template Id  **Examples:**  /template?rs:id=8216640002390149622 | Deletes the Template file and its metadata.  **Curl Commands:**   1. DELETE Template File   curl --anyauth --user grusso:password -X DELETE \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/template?rs:id=3857790183476763686 |

1. Workpaper User Data API – Used for Workpaper User Data CRUD and Search Operations

| # | Type | Parameters | Action / Curl command to Test |
| --- | --- | --- | --- |
| 1 | GET | **Parameters:**  rs:id – User Data ID  **Example:**  /wpaper?rs:id= 31989285604312239 | Return merged spreadsheet file.  Returns binary xlsx file.  **Curl Commands:**   1. GET Merged Spreadsheet File   curl --anyauth --user grusso:password -o userWorkpaper994.xlsx -X GET \  -H "Accept: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet" \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/wpaper?rs:id= 31989285604312239 |
| 2 | GET | **Parameters:**  rs:id – User Data ID  rs:merge – set to false  **Example:**  /wpaper?rs:id=1347952947579322912&rs:merge=false | Return User Data File  Returns specific user data file.  **Curl Commands:**   1. GET User Data File Only   curl --anyauth --user grusso:password -X GET \  -H "Accept: application/xml" \  "http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/wpaper?rs:id=1347952947579322912&rs:merge=false" |
| 2 | GET | **Parameters:**  rs:q – Search Term  rs:pg – page (not yet implemented)  rs:ps – page size  **Example:**  /wkpaper?rs:q=BEPS AND juris:Brazil | Searches user data using terms especially Ontology terms.  Returns list of user data IDs with search relevance score and snippet.  **Curl Commands:**   1. GET List of User Data documents using Search Term   curl --anyauth --user grusso:password -X GET \  -H "Accept: application/xml" \  "http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/wpaper?rs:q=BEPS AND juris:Brazil" |
| 3 | GET | **Parameters:**  rs:pg – page (not yet implemented)  rs:ps – page size  **Example:**  /wpaper | Returns the list of IDs and URIs of all User Data files.  This will eventually be restricted by client, by user, and by role.  **Curl Commands:**   1. GET User Data File Only   curl --anyauth --user grusso:password -X GET \  -H "Accept: application/xml" \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/wpaper |
| 4 | PUT | **Parameters:**  rs:dataid – User Data Document Id  payload – Use same json document format as shown in the POST operation (item 5).  **Example:**  /wpaper?rs:dataId= 1526690289281135790 | Updates (overwrites) an existing Template file.  The payload is the User Data file.  Use the same User Data format as described in the POST request description.  **Curl Commands:**   1. PUT User Data   curl --anyauth --user grusso:password -X PUT \  -H "Content-Type: application/json" \  -d '{"dnames":[{"name":"I\_0001","value":"1111.25"},{"name":"I\_0002","value":"2222.25"},{"name":"EndMnA.block","value":"27772.34"}]}' \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/wpaper?rs:dataid=8708286384647449580   1. PUT User Data File – json is stored in file called ./data1.txt   curl --anyauth --user grusso:password --data @./data1.txt -X PUT \  -H "Content-Type: application/json" \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/wpaper?rs:dataid=8708286384647449580 |
| 5 | POST | **Parameters:**  rs:templateid – associates the json name/value pairs with the specific spreadsheet template file.  **Example:**  /wpaper?rs:templateId= 3857790183476763686  Input   * URI parameter: template Id * Payload: Name/value pairs | Creates a new User Data file.  The payload is the User Data file.  Returns the User Data File ID and maybe the URI.  JSON Format:  { "dnames": [  {"name":"I\_0001", "value":"1001.25"},   {"name":"I\_0002", "value":"1002.25"},   {"name":"BegMnA.block","value":"44442.98"},  {"name":"EndMnA.block","value":"17772.34"},  {"name":"EndMnA.block","value":"27772.34"} ] }  **Curl Commands:**   1. POST User Data   curl --anyauth --user grusso:password -X POST \  -H "Content-Type: application/json" \  -d '{"dnames":[{"name":"I\_0001","value":"1111.25"},{"name":"I\_0002","value":"2222.25"},{"name":"EndMnA.block","value":"27772.34"}]}' \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/wpaper?rs:templateId=3857790183476763686   1. POST User Data File – Used above json but is stored in file called ./data1.txt   curl --anyauth --user grusso:password --data @./data1.txt -X POST \  -H "Content-Type: application/json" \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/wpaper?rs:templateId=3857790183476763686 |
| 6 | DELETE | **Parameters:**  rs:dataid – User Data Document Id to be deleted  **Example:**  /wpaper?rs:id=1526690289281135790 | Deletes the User Data file.  **Curl Commands:**   1. DELETE User Data File   curl --anyauth --user grusso:password -X DELETE \  -H "Accept: application/xml" \  http://glm-ml-dev.amers1.cis.trcloud:8010/v1/resources/wpaper?rs:id=1347952947579322912 |