XMLCMS – API for XML Supplier Endpoints

NECSWS.COM/INDIA

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## Objective

The objective of the document is to share endpoint details of the APIs developed to enable XML Suppliers to upload volume data to the XML CMS System.

## Prerequisites

### Headers Section (except for login endpoint) :

* Content-Type : application/json
* Authorization : Bearer “Auth Token”
* Accept : application/json

Auth Token – The auth token which user will get after calling login endpoint in the response.

### User Criteria :

* User must be added in the XMLCMS(Teacup) system.
* User must be assigned with new role as “XML Supplier”.
* User other than “XML Supplier” role based won’t be able to access UniqueToken, Ingest, Job Status Check, Checkout and Download and CheckIn endpoints.

### Note :

* We use **Postman** as our primary tool for API testing, allowing us to validate endpoints, test responses, and ensure that our APIs meet the required specifications.
* Please use OpenVPN to access WMS/UAT environment (Optional).

### Environment Link:

* WMS : <http://52.214.200.219>
* UAT : http://34.240.193.166

## API Endpoints

### **Login :**

First user with XML Supplier role need to call login endpoint through postman tool.  
  
HTTP verb - POST  
URL - [<EnvLink>/xml-cms-api/account/login](http://52.214.200.219/xml-cms-api/account/login)  
  
Body under raw section :  
{   
 “email”:” wms@bloomsbury.com”,   
 “password”:”Wms@321”   
}   
and select JSON in dropdown.   
  
After clicking the send button if credentials are valid then user will get response as 200 OK, which contains Bearer Token and expiration which needs to be used while calling other endpoints.

### Unique Token :

User need to call GetUniqueIdentifier endpoint to get a unique token.  
  
HTTP verb - POST  
URL - [<EnvLink>/xml-cms-api/account/GetUniqueIdentifier](http://52.214.200.219/xml-cms-api/account/login)  
  
Body under raw section :

{

“volumeid”:”b-9781472555055”

}  
  
After clicking the send button user will get the response as 200 OK, which contains Unique Token which user will use for the other endpoints.  
  
Note – Current Expiration time is set to 30 minutes.

### Ingest :

User need to call Uploadcontents endpoint to upload fresh document.  
  
HTTP verb - POST  
URL - [<EnvLink>/xml-cms-api/UploadContents/token](http://52.214.200.219/xml-cms-api/account/login)  
where token is nothing but unqiue token which user will get by calling GetUniqueIdentifier endpoint.

Body under form-data section :

|  |  |  |
| --- | --- | --- |
| **Key** | **Value** | **Value Type** |
| area | docBook | Default |
| contentType | articleByArticle | Default |
| file | select file which need to be upload (xml and zip file type only supported) |  |
| source | wms (lower case) | optional |

If source has a value “wms” (lower case) then only job result details (either success or failure) will be shared to Integra.

After clicking the send button user will get the response, if the token is valid then job will be created, else it will fail to upload content with an appropriate error message.

### Job Status Check :

User need to call volumeprocessingstatus endpoint to check job status.  
  
HTTP verb - GET  
URL - [<EnvLink>/xml-cms-api/volumeprocessingstatus/jobid](http://52.214.200.219/xml-cms-api/account/login)  
where jobid is nothing but job created while uploading/CheckIn contents.  
  
After click the send button user will get the response like ‘In Queue’, ‘In Progress’, ‘Failure’ or ‘Success’.

### Checkout and Download :

User need to call download endpoint to checkout and download.  
  
HTTP verb - POST  
URL - [<EnvLink>/xml-cms-api/downloadfile/token](http://52.214.200.219/xml-cms-api/account/login)  
where token is nothing but unqiue token which user will get by calling GetUniqueIdentifier endpoint.

Body under raw section :

{

“Contents”:[

{

“ContentId”: “b-9781472555055”

}

]

}  
  
After clicking the send button user will get the response, if the token is valid and all the condition are satisfied then file will be locked and will get downloaded, else it will fail with an appropriate error message.

### CheckIn :

User need to call checkin endpoint to update the document.  
  
HTTP verb - POST  
URL - [<EnvLink>/xml-cms-api/checkin/token](http://52.214.200.219/xml-cms-api/account/login)  
where token is nothing but unqiue token which user will get by calling GetUniqueIdentifier endpoint.  
  
Body under form-data section :

|  |  |  |
| --- | --- | --- |
| **Key** | **Value** | **Value Type** |
| contentType | articleByArticle | Default |
| file | select file which need to be upload (xml and zip file type only supported) |  |
| comment | “need to add comment while checkin” | Optional |
| role | xmlSupplier | Default |
| contentId | b-9781472555055 | Id of which file is being uploaded |
| source | wms (lower case) | optional |

If source has a value “wms” (lower case) then only job result details (either success or failure) will be shared to Integra.

After clicking the send button user will get the response, if the token is valid then job will be created, else it will fail to checkIn with an appropriate error message.

## Status Code

|  |  |  |
| --- | --- | --- |
| **Code** | **Category** | **Meaning** |
| 200 | Success | OK |
| 400 | Client Error | Bad Request |
| 401 | Client Error | Unauthorized |
| 500 | Server Error | Internal Server Error |

## Failure Scenarios

### Token already been used :

A screenshot of a computer

Description automatically generatedWhen user try to use the same token for Ingest, Checkout & download and Checkin endpoint again, then API will return a 400 bad request with message as “The token has already been used”.   
Please refer below screenshot -

### Token Expired :

A screenshot of a computer

Description automatically generatedWhen user try to use the token after the set expiry time for Ingest, Checkout & download and Checkin endpoint, then API will return a 400 bad request with message as “The token has expired”.  
Please refer below screenshot –

### Volume id mismatch :

**A screenshot of a computer

Description automatically generated**When user try to send the request with different volume id other than for which unique token was generated for Ingest, Checkout & download and Checkin endpoint, then API will return a 400 bad request with message as “The volumeid does not match”.  
Please refer below screenshot –

### Job/Volume Status Unavailable :

When user try to send the request with wrong job id for volume processing status endpoint, then API will return a 400 bad request with message as “The job information is not available”.  
Please refer below screenshot –

**A screenshot of a computer

Description automatically generated**

### File already checked-out :

When user try to send the request for the contentid which is already been checked-out for checkout and download endpoint, then API will return a 400 bad request with message as “Selected file is already checked-out”.  
Please refer below screenshot –

A screenshot of a computer

Description automatically generated

### Invalid File Format :

When user try to send the payload in an invalid file format (e.g. unsupported file type) for Ingest and Checkin endpoint, then API will return a 400 bad request with message as “Uploaded content format is not supported”.  
Please refer below screenshot –

A screenshot of a computer

Description automatically generated