

API Specifications

Extranet

Version 1.1

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File Transfer APIs:

Following are the API endpoints:

Sr.no	Method	API EndPoint	Remarks
1	POST	/login/{version}	To login
2	POST	/logout/{version}	To logout
3	GET	/member/content/{version}? segment=, folderpath=	To get List of Folders and files
4	GET	/common/content/{version}? segment=, folderpath=	To get common folder and file list
5	GET	/member/file/download/{version}? segment=,folderpath=,date=,filename=	To Download File
6	GET	/common/file/download/{version}? segment=, folderpath=,date=,filename=	To Download common file

Login

This API validates the user credentials. On successful login, a unique token will be provided per request and session will be established with user's system. In subsequent API calls, this token should be passed in HTTP header "Authorization".

Assumptions:

- The password needs to be sent in a hash string.
- The password needs to be sent in encrypted format using AES256. The encryption private key will be generated on user registration.
- Login session validity will be for 60 mins.
- After every 60 mins the token will expire and the approach is that of single token and not refresh token.

Method	API EndPoint	Header	Content-Type
POST	/login/{version}		application/json

Request Object values

Sr. No.	Field Description	Field Name	Data Type	Description	Expected Values & Validations	Optional /Mandatory
1	Member Code	memberCode	Char(5)	Member Code		M
2	Login Id	loginId	Char(16)	Login ID		M
3	Password	password	Char(50)	Password should encrypted with AES256 encryption using the secret key received during API registration		M

Request Object Structure (JSON)

```
{
  "memberCode": "06000",
  "loginId": "ApiUser06000",
  "password": "0CxUgThnqIK6gaKU2HnL2A=="
}
```

Password in example is encrypted text

Response JSON values

Sr. No.	Field Description	Field Name	Data Type	Description
1	Member Code	memberCode	Char(5)	Member Code
2	Response Code	responseCode	Char(3)	Response Code
3	Login Id	loginId	Char(16)	Login ID
4	Token	token	String	Unique Token
5	Status	status	String	Request Status

Response Object Structure (JSON)

```
{
  "memberCode": "09100",
  "responseCode": ["601"],
  "loginId": "ApiUser09100",
  "token": "eyJhbGciOiJSUzI1NiJ9.eyJzdWIiOiIwOTcwMCImlzcyI6IkFwaVVzZXIwOTcwMCImlV4cCI6MTYzMjIwNzYyOCwiaWF0IjoxNjMyMjA0MDI4LCJqdGkiOiJhNWl0YjZiZi1lZTQwLTQ4NzltOGM4ZC0xNjE5ZjA2Nzk2NTEifQ.gGmBfplbtP59X6gK28z4l6lIokFgOBOIGjAX-WhjkY5DPJRxHJWtc-TOcDyPjLGAvnHNlvh-SZRRawkxFSNgYw",
  "status": "success"
}
```

Logout

This API closes the current session and gets the user logged off.

Method	API EndPoint	Header	Content-Type
POST	/logout/{version}	Session Token	application/json

Request JSON values

Sr. No.	Field Description	Field Name	Data Type	Description
1	Member Code	memberCode	Char(5)	Member Code
2	Login Id	loginId	Char(16)	Login ID

Request Object Structure (JSON)

```
{
  "memberCode": "06000",
  "loginId": "ApiUser06000"
}
```

Response JSON values

Sr. No.	Field Description	Field Name	Data Type	Description
1	Response Code	responseCode	Char(3)	Response Code
2	Status	status	String	Request Status

Response Object Structure (JSON)

```
{
  "responseCode":["601"],
  "status":"success"
}
```

Get Member Files/Folders

This API will give the list of member Folders and Files present in the folder path provided as per single level directory.

Method	API EndPoint	Header	Content-Type
GET	/member/content/{version}	Session Token	

Request Object values

Sr. No.	Field Description	Field Name	Data Type	Description	Expected Values & Validations	Optional/Mandatory
1	Segment	segment	String	Segment for which folder and file is to be accessed.	CM FO CD CO SLB MFSS DEBT WDM	M
2	Folder Path	folderPath	String	Folder Path for which list of Folders and files are Requested.	/	M/O

```
/member/content/v1?segment=CM&folderpath=/Downloads
```

Response Object values

Sr. No.	Field Description	Field Name	Data Type	Description	Expected Values & Validations
1	Timestamp	timestamp	TimeStamp	Timestamp of response	
2	Version No	versionNo	String	API Version	
3	Response Code	responseCode	String	Application Processing status code	
4	Response Description	reponseDesc	String	Application Processing status description	
5	Data	data	Array	List of data values of type 'content list'	

Content List

Sr. No.	Field Description	Field Name	Data Type	Description	Expected Values & Validations
1	Path	folderPath	String	Path where the folder is placed	
2	Name	name	String	Name of file or folder	
3	Type	type	String	Identifier of whether the content is a file or folder	Folder or File
4	Timestamp	timestamp	Timestamp	Last updated time stamp of the file	

```
{
  "timestamp" : "2022-10-07T07:18:20Z",
  "versionNo" : "1.0.0",
  "responseCode" : ["601"],
  "responseDesc" : "Success",
  "data": [
    {
      "folderPath": "/",
      "name": "new Folder"
      "type": "Folder",
      "timestamp": "2022-10-07T07:18:20Z"
    },
    {
      "folderPath": "/",
      "name": "test.txt"
      "type": "File",
      "timestamp": "2022-10-07T07:18:20Z"
    }
  ]
}
```

Download File

This API will allow users to download member files for the selected segments. This API can be invoked either by using the exact file name or by using the date for downloading all the files under a given folder.

When downloading multiple files under a single folder the format of the files would be gzip.

Method	API EndPoint	Header	Content-Type
GET	/member/file/download/{version}	Session Token	

Request Object values

Sr. No.	Field Description	Field Name	Data Type	Description	Expected Values & Validations	Optional/Mandatory
1	Segment	segment	String	Segment for which folder and file is to be accessed	CM FO CD CO SLB MFSS DEBT WDM	M
2	Folder Path	folderPath	String	Folder path from where file needs to be download		M
3	Date	date	String	Date for which the files in the particular folder needs to be downloaded	DDMMYYYY	O
4	File Name	filename	String	Name of the file which is to be downloaded		O

```
/member/file/download/v1?segment=CM&folderPath=/Downloads&filename=text.txt
```

```
/member/file/download/v1?segment=CM&folderPath=/Downloads&date=01012022
```

Response Object values

Multipart File

Complete data stream of the file contents.

Get Common Files/Folders

This API will give the list of common Folders and Files present in the folder path provided as per single level directory.

Method	API EndPoint	Header	Content-Type
GET	/common/content/{version}	Session Token	

Request Object values

Sr. No.	Field Description	Field Name	Data Type	Description	Expected Values & Validations	Optional/Mandatory
1	Segment	segment	String	Segment for which folder and file is to be accessed	CM FO CD CO SLB MFSS DEBT WDM	M
2	Folder Path	folderPath	String	Folder Path for which list of Folders are Requested		M

/common/content/v1?segment=CM&folderpath=/Downloads

Response Object values

Sr. No.	Field Description	Field Name	Data Type	Description	Expected Values & Validations
1	Timestamp	timestamp	Timestamp	Timestamp of response	
2	Version No	versionNo	String	API Version	
3	Response Code	responseCode	String	Application Processing status code	
4	Response Description	reponseDesc	String	Application Processing status description	
5	Data	data	Array	List of data values of type 'common content list'	

Common Content List

Sr. No.	Field Description	Field Name	Data Type	Description	Expected Values & Validations
1	Path	folderPath	String	Path where the folder is placed	
2	Name	name	String	Name of file or folder	
3	Type	type	String	Identifier of whether the content is a file or folder	Folder or File
4	Timestamp	timestamp	Timestamp	Last updated time stamp of the file	

```

{
  "timestamp" : "2022-10-07T07:18:20Z",
  "versionNo" : "1.0.0",
  "responseCode" : ["601"],
  "responseDesc" : "Success",
  "data": [
    {
      "folderPath": "/",
      "name": "new Folder"
      "type": "Folder",
      "timestamp": "2022-10-07T07:18:20Z"

    },
    {
      "folderPath": "/",
      "name": "test.txt"
      "type": "File",
      "timestamp": "2022-10-07T07:18:20Z"
    }
  ]
}

```

Download Common File

This API will allow users to download common files for the selected segments. This API can be invoked either by using the exact file name or by using the date for downloading all the files under a given folder.

When downloading multiple files under a single folder the format of the files would be gzip.

Method	API EndPoint	Header	Content-Type
GET	/common/file/download/{version}	Session Token	

Request Object values

Sr. No.	Field Description	Field Name	Data Type	Description	Expected Values & Validations	Optional/Mandatory
1	Segment	segment	String	Segment for which folder and file is to be accessed	CM FO CD CO SLB MFSS DEBT WDM	M
2	filePath	filePath	String	File path from where file needs to be download		M
3	Date	date	String	Date for which the files in the particular folder needs to be downloaded	DDMMYYYY	O
4	File Name	filename	String	Name of the file which is to be downloaded		O

/common/file/download/v1?segment=CM&folderPath=/Downloads&filename=text.txt

/common/file/download/v1?segment=CM&folderPath=/Downloads&date=01012022

Response Object value

Multipart File

Complete data stream of the file contents

Response Codes

Status Codes

Codes	Description
200	Successful response body. Complete data stream of the file contents.
400	Bad request
401	Unauthorised Token
403	Forbidden if the user does not have permission.
404	File not found
405	Method not found
500	Internal Server Error

Version History

Version History		
Version	Release date	Change Description
1.0	12/09/2022	Base version
1.1	14/10/2022	• Section for Login – The login session validity changed from 30 min to 60 mins • Section Assumptions – The point related to API Key has been removed • For Login API – In the Request Object value and Response Object value table, the parameters have been updated along with the values in Request Object Structure (JSON) and Response Object Structure (JSON) tables. • For Logout API - In the Request Object value and Response Object value table, the parameters have been updated along with the values in Request Object Structure (JSON) and Response Object Structure (JSON) tables. • Get Member Files/Folders and Get Common Files/Folders – In the Content List and Common Content list parameters have been updated respectively.