

SharePoint Operations Integration via API

Prerequisites to make use of SharePoint API:

- Client ID: SharePoint Site owner can create client ID from the site settings, and it is used for authentication of the site. [Mandatory Input]
- Client Secret: SharePoint Site owner can create client secret from the site settings, and it is used for authentication of the site. [Mandatory Input]
- Resource:

SharePoint API methods to perform different operations:

- Authentication Token [Post Method] –
 - Authentication URL: <https://accounts.accesscontrol.windows.net/f03022ed-34ea-4c8f-91cb-9abee0a20907/tokens/OAuth/2>
 - Parameters Required
 - grant_type: **client_credentials** [Fixed value]
 - client_id: **User Provided**
 - client_secret: **User Provided**
 - resource:
 - Response: API response contains “Authentication Token”.
- Create folder on SharePoint [Post Method]
 - **Site URL with API:** https://SharePointSiteURL/_api/web/folders
 - Request Headers:
 - Authorization: “Bearer Authorization-Token”
 - Accept: “application/json; odata=verbose”
 - Content-Type: “application/json; odata=verbose”
 - Request Body:
 - {“__metadata”: {“type”: “SP.Folder”}, “ServerRelativeUrl”: “{folderpath}”}
 - Response: Returns status as “201 – created” with all folder properties.
- Delete folder from SharePoint [Post Method]
 - **Site URL with API:**
[https://SharePointSiteURL/_api/web/GetFolderByServerRelativeUrl\('{folderpath}'\)](https://SharePointSiteURL/_api/web/GetFolderByServerRelativeUrl('{folderpath}'))
 - Request Headers:
 - Authorization: “Bearer Authorization-Token”
 - Accept: “application/json; odata=verbose”
 - Content-Type: “application/json; odata=verbose”
 - X-HTTP-Method: “DELETE”
 - If-Match: “*”
 - Response: Returns status as “200 OK”.

- Delete file from SharePoint [Post Method]
 - **Site URL with API:** https://SharePointSiteURL/_api/web/GetFileByServerRelativeUrl('{filepath}')
 - Request Headers:
 - Authorization: “Bearer Authorization-Token”
 - Content-Type: “application/json; odata=verbose”
 - X-HTTP-Method: “DELETE”
 - If-Match: “*”
 - Response: Returns status as 200 OK.
- Check in file to SharePoint [Post Method]
 - **Site URL with API:** https://SharePointSiteURL/_api/web/GetFileByServerRelativeUrl('{filepath}')/CheckIn(comment='{comments}',checkintype=0)
 - Request Headers:
 - Authorization: “Bearer Authorization-Token”
 - Response: Returns status as 200 OK.
- Check out file from SharePoint [Post Method]
 - **Site URL with API:** https://SharePointSiteURL/_api/web/GetFileByServerRelativeUrl('{filepath}')/CheckOut()
 - Request Headers:
 - Authorization: “Bearer Authorization-Token”
 - Response: Returns status as 200 OK.
- Get Records from a List [Get Method] –
 - **Site URL with API:** https://SharePointSiteURL/_api/web/lists/GetByTitle('LIST TITLE')/items
 - Request Headers:
 - Authorization: "Bearer Authorization-Token"
 - Response: Returns all the records available in the list.
- Delete item from a List [Post Method]
 - **Site URL with API:** https://SharePointSiteURL/_api/web/lists/GetByTitle('{listname}')/items(1)
 - Request Headers:
 - Authorization: "Bearer Authorization-Token"
 - Content-Type: “application/json;”
 - Response: Returns status as 200 OK.