

AUTOMATION ANYWHERE

MetaBot – SharePoint

This document covers the MetaBot functions description working the Automation Anywhere MetaBot application.

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# Summary



This document is intended to give an overview about MetaBot application and to assist customers wanting to learn the functions of SharePoint Metabot.

# Version History



|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Descriptions | Contact Person |
| 2019/04/26 | 1.0.0 | First Major Release | naoya.murao@automationanywhere.com |

# New Features



N/A (First release)

# API Changes



N/A (First release)

# Fixes



-N/A

# Known Issues



-N/A

# Pre-Requisites



* Automation Anywhere Enterprise v11
* SharePoint Account settings

# How to Use the MetaBot



Available logics within the MetaBot

|  |  |  |
| --- | --- | --- |
| **No** | **Function Name** | **Function Details** |
| **1.** | Authenticate | Method to perform login to SharePoint. |
| **2.** | GetSiteTitle | Method to retrieve SharePoint site title. |
| **3.** | UploadFile | Method to upload a file in local computer to SharePoint. |
| **4.** | DownloadFile | Method to download a file on SharePoint to local computer. |
| **5.** | CopyFile | Method to copy a file from one location to another within the same SharePoint site. |
| **6.** | MoveFile | Method to move a file from one location to another within the same SharePoint site. |
| **7.** | DeleteFile | Method to delete a file on SharePoint. |
| **8.** | CheckInFile | Method to check-in a file on SharePoint. |
| **9.** | CheckOutFile | Method to check-out a file on SharePoint so that other users can’t edit/update it. |
| **10.** | UndoCheckOutFile | Method to undo check-out a file on SharePoint. |
| **11.** | CreateFolder | Method to create a specified folder on SharePoint. |
| **12.** | UploadFolder | Method to upload a folder in local computer to SharePoint. |
| **13.** | DownloadFolder | Method to download a folder on SharePoint to local computer. |
| **14.** | CopyFolder | Method to copy a folder from one location to another within the same SharePoint site. |
| **15.** | MoveFolder | Method to move a folder from one location to another within the same SharePoint site. |
| **16.** | DeleteFolder | Method to delete a folder on SharePoint. |
| **17.** | GetFilesURL | Method to list URLs for all files under specified folder. |
| **18** | GetFoldersURL | Method to list URLs for all folders under specified folder. |
| **19** | GetItemsURL | Method to list URLs for all files and folders under specified folder. |

## Logic 1: Authenticate



Function Details: Method to perform login to SharePoint.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vWebURL** | Input | URL for SharePoint site.  Example:  <https://your.sharepoint.com/sites/YourTeam/> |
| **vUserName** | Input | Credential ID for your SharePoint site. |
| **vPassword** | Input | Credential password for your SharePoint site. |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 2: GetSiteTitle



Function Details: Method to retrieve SharePoint site title.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vOutput** | Output | Site title which you are already authenticated using Authenticate logic. |

## Logic 3: UploadFile



Function Details: Method to upload a file in local computer to SharePoint.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vLocalFIlePath** | Input | The full path in your computer to be uploaded.  Examples:  C:\workspace\temp\sample.txt |
| **vRemoteFilePath** | Input | The relative path for a file on SharePoint. The parent folder should exist.  Example:  /sites/SharePointSite/Shared Documents/General/targetFolder/sample.txt |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 4: DownloadFile



Function Details: Method to download a file on SharePoint to local computer.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vRemoteFIlePath** | Input | The relative path for a file on SharePoint which will be downloaded.  Example:  /sites/SharePointSite/Shared Documents/General/targetFolder/sample.txt |
| **vLocalFilePath** | Input | The full path in your computer the file will be downloaded. The parent folder should exist.  Examples:  C:\workspace\temp\sample.txt |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 5: CopyFile



Function Details: Method to copy a file from one location to another within the same SharePoint site.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vSourcePath** | Input | The relative path for a source file on SharePoint to be copied.  Example:  /sites/SharePointSite/Shared Documents/General/srcFolder/sample.txt |
| **vDestinationPath** | Input | The relative path for a destination file on SharePoint. The parent folder should exist.  Example:  /sites/SharePointSite/Shared Documents/General/destFolder/sample.txt |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 6: MoveFile



Function Details: Method to move a file from one location to another within the same SharePoint site.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vSourcePath** | Input | The relative path for a source file on SharePoint to be moved.  Example:  /sites/SharePointSite/Shared Documents/General/srcFolder/sample.txt |
| **vDestinationPath** | Input | The relative path for a destination file on SharePoint. The parent folder should exist.  Example:  /sites/SharePointSite/Shared Documents/General/destFolder/sample.txt |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 7: DeleteFile



Function Details: Method to delete a file on SharePoint.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vPath** | Input | The relative path for a file on SharePoint to be deleted.  Example:  /sites/SharePointSite/Shared Documents/General/workFolder/sample.txt |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 8: CheckInFile



Function Details: Method to check-in a file on SharePoint.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vPath** | Input | The relative path for a file on SharePoint to be checked-in.  Example:  /sites/SharePointSite/Shared Documents/General/workFolder/sample.txt |
| **vComment** | Input | Check-in comment if needed. |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 9: CheckOutFile



Function Details: Method to check-out a file on SharePoint so that other users can’t edit/update it.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vPath** | Input | The relative path for a file on SharePoint to be checked-out.  Example:  /sites/SharePointSite/Shared Documents/General/workFolder/sample.txt |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 10: UndoCheckOutFile



Function Details: Method to undo check-out a file on SharePoint.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vPath** | Input | The relative path for a file on SharePoint to undo check-out.  Example:  /sites/SharePointSite/Shared Documents/General/workFolder/sample.txt |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 11: CreateFolder



Function Details: Method to create a specified folder on SharePoint. If the folder is already there, then the error message will be in $vOutput$ parameter.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vParentFolder** | Input | The relative path for parent folder on SharePoint which the new folder will be created.  Example:  /sites/SharePointSite/Shared Documents/General/workFolder |
| **vFolderName** | Input | The folder name to be created. |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 12: UploadFolder



Function Details: Method to upload a folder in local computer to SharePoint.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vLocalPath** | Input | The full path in your computer to be uploaded.  Examples:  C:\workspace\temp\workFolder |
| **vRemotePath** | Input | The relative path on SharePoint folder to be downloaded.  Example:  /sites/SharepointSite/Shared Documents/General/workFolder |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 13: DownloadFolder



Function Details: Method to download a folder on SharePoint to local computer.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vRemotePath** | Input | The relative path on SharePoint folder to be downloaded.  Example:  /sites/SharepointSite/Shared Documents/General/workFolder |
| **vLocalPath** | Input | The full path in your computer. The parent folder should exist.  Examples:  C:\workspace\temp\workFolder |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 14: CopyFolder



Function Details: Method to copy a folder from one location to another within the same SharePoint site.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vSourcePath** | Input | The relative path on source SharePoint folder to be copied.  Example:  /sites/SharepointSite/Shared Documents/General/srcFolder |
| **vDestinationPath** | Input | The relative path on destination SharePoint folder to be created.  Example:  /sites/SharepointSite/Shared Documents/General/destFolder |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 15: MoveFolder



Function Details: Method to move a folder from one location to another within the same SharePoint site.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vSourcePath** | Input | The relative path on source SharePoint folder to be moved.  Example:  /sites/SharepointSite/Shared Documents/General/srcFolder |
| **vDestinationPath** | Input | The relative path on destination SharePoint folder to be created.  Example:  /sites/SharepointSite/Shared Documents/General/destFolder |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 16: DeleteFolder



Function Details: Method to delete a folder on SharePoint.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vPath** | Input | The relative path on SharePoint folder to be deleted.  Example:  /sites/SharepointSite/Shared Documents/General/workFolder |
| **vOutput** | Output | If any error happened, the message starts with "FAIL:". |

## Logic 17: GetFilesURL



Function Details: Method to list URLs for all files under specified folder.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vPath** | Input | The relative path on SharePoint folder.  Example:  /sites/SharepointSite/Shared Documents/General/workFolder |
| **lstFilesURL** | Output | List contains URLs for all files under a folder specified as $vPath$. |

## Logic 18: GetFoldersURL



Function Details: Method to list URLs for all folders under specified folder.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vPath** | Input | The relative path on SharePoint folder.  Example:  /sites/SharepointSite/Shared Documents/General/workFolder |
| **lstFoldersURL** | Output | List contains URLs for all folders under a folder specified as $vPath$. |

## Logic 19: GetItemsURL



Function Details: Method to list URLs for all files and folders under specified folder.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description and Examples** |
| **vPath** | Input | The relative path on SharePoint folder.  Example:  /sites/SharepointSite/Shared Documents/General/workFolder |
| **lstItemsURL** | Output | List contains URLs for all files and folders under a folder specified as $vPath$. |