Filesystem Utilities – V 1.0.2 Documentation

Overview

The Filesystem Utilities plugin allows the users to directly access and work with the local file system where the Appian is setup. This plugin allows the user to move files between Appian and the file system, rename a file in the file system and poll files and folder within the specified path in the file system

Features

1. Move file from file system to Appian.
2. Move file from Appian to the file system.
3. Rename file in the file system.
4. Poll contents of a path in the file system.

Limitations

1. This smart service can be used only in on-premise Appian environments.
2. The user needs to be a System Administrator to run the available smart services in this plugin.

Available Smart Services

The plugin contains the following four smart services namely:

1. MoveFileToAppian
2. MoveToSystemFiles
3. RenameFileInSystem
4. PollFileSystemFolder

Move File To Appian

This smart service enables the user to move(copy and remove source) or copy a file/folder or a list of files/folders from the file system to the specified folder in Appian.

Inputs

Name	Type	Description
Path	Text	Provide File system path from where the file/folder must be moved/copied. Ex: "test/test-folder"
Destination	Folder	Provide the destination Appian folder.
Remove after Copy	Boolean	If set to true the file/folder will be moved. If set to false the file/folder will be copied. Default: false
Copy Only If Updated	Boolean	When the Copy Only If Updated parameter is set to true, only the updated folders or files will be moved/copied to the destination respectively. Default: false
Include Sub Folder	Boolean	When the Include Sub Folder parameter is set to true, the sub directories in the given path will be moved/copied to the destination. Default: false.

Outputs

1. Has Error Occurred (Boolean) - Indicates whether an error has occured in the node.
2. Error Message (Text) - The details of the error if occurred.
3. Files (List of Document) - The files that are moved to Appian will be returned.

Move To System Files

This smart service enables the user to move(copy and remove source) or copy a file/folder or a list of files/folders from an Appian folder to the specified path in file system. User must provide atleast a document or folder value to run this smart service successfully.

Inputs

Name	Type	Description
Destination	Folder	Provide File system destination path to where the files/folders must be moved/copied.
Folder	Folder	Provide the value of the folder to be moved or copied to the destination path.
Remove After Copy	Boolean	If set to true the file/folder will be moved. If set to false the file/folder will be copied. Default: false
Documents	List of Document	Provide the value of the documents to be moved or copied to the destination path.
Include Sub Folder	Boolean	When the Include Sub Folder parameter is set to true, the sub directories in the given path will be moved/copied to the destination. Default: false.

Outputs

1. Has Error Occurred (Boolean) - Indicates whether an error has occured in the node.
2. Error Message (Text) - The details of the error if occurred.
3. Files (Text) - The information of the files created in the file system will be returned.

Rename File In System

This smart service enables the user to rename a file in the file system.

Inputs

Name	Type	Description
File Location Folder	Text	Provide the location of the file in the file system.
New Filename	Text	The replacement name for the file. Must be a valid filename.
Old Filename	Text	The file name to be replaced.

Outputs

1. Has Error Occurred (Boolean) - Indicates whether an error has occured in the node.
2. Error Message (Text) - The details of the error if occurred.
3. Success (Boolean) - Indicates whether the operation has been successfully completed.

Poll File System Folder

This smart service enables the user to poll the file information from a specified path in the file system. This smart service also provides a filter feature where files before or after a time stamp can be filtered out.

Inputs

Name	Type	Description
Folder Path	Text	Provide the location in the file system to be polled.
Include Sub Folders	Boolean	Boolean to decide whether to include the sub folders of the directory.
Accept Older	Boolean	Determines whether to poll files before the modified time filter value. False by default.
Modified Time Filter	Date And Time	This value will be used to filter the polled file information based on the files' modified time.

Outputs

1. Has Error Occurred (Boolean) - Indicates whether an error has occured in the node.
2. Error Message (Text) - The details of the error if occurred.
3. Filename (List of Text) - The names of the files polled in the specified path.
4. Fullpaths (List of Text) - The absolute paths of the polled files in the file system.
5. Modified Times (List of Date and Time) - The modified time information of the polled files.
6. Num Files Found (Number(Integer)) - The number of files polled.

Note: Given the potential of this plugin to alter or remove files within the filesystem, it is imperative to implement meticulous precautions to guarantee the implementation of robust safeguards.