

Description

These functions and smart services extend Appian content and offer document/folder search, directory listing and the ability to get/set the searchable attribute of a folder. Functions are designed for and only work on Appian content, not the local filesystem.; All search functions assume the root folder and all subfolders are searchable. Search functions will not return results contained within non-searchable objects.; All functions use the serviceContext of the user account executing the expression at runtime.

Smart Services

Approve Pending Documents and Folders

Delete Document Version

Delete Folder Contents

Delete Files Older Than

Delete Files Created Before

Remove Member From Folder Security

Inherit Security From Parent for Folder

Inherit Security from Parent for Document

Remove Approval Required

Remove Member From KC Security

Unexpire Documents

Delete Rule/Constant Versions

Takes in a list of folder ids (Folder IDs), minimum number of versions to keep (Keep Versions), and an optional oldest date to leave versions from (Oldest Age). The Keep Version parameter will always be honored as a lower bound of versions to delete. If a value lower than 10 is provided, it will be defaulted to 10. When deleting versions, the original version (version 1) and the current version will never be touched. For example, if there are 100 versions of a rule, Keep Versions is set to 50 and Oldest Age is not provided, the system will delete 48 oldest versions of the rule other than the original, leaving the original version, the current version, and the 50 most recent versions of the rule past the current version.

Set Folder Security

Formerly on Set Folder Security Smart Service Plugin (by Jason Ruvinsky), this smart service sets security on a folder. It is more flexible than the out-of-the-box Modify Folder Security service.

- It has the option to overwrite the security completely, removing any existing people (outside of inherited Administrators and Denied) from the role map prior to setting new ones.
- It has the option to modify the existing security settings, keeping any existing people in the rolemap that are not changed, including placing inherited authors and readers in the explicit rolemap for this folder.
- Inheritance will be broken for the readers and authors of the folder being set. (Administrators and Denied will still be inherited).
- This smart service will not restore inheritance, once broken.

- This smart service will always remove a user or group from all existing roles prior to assigning them to a new role set in the inputs.
- The highest access role granted to a user/group in this node takes precedence, if the same user/group appears in multiple role level inputs.

Create Document Version

Formerly on Create Document Version Smart Service Plugin (by Amar Sanadi), this plug-in creates a new version of an Appian document.

Inputs:

- Source Document - The updated version of the document
- Target Document - The document whose version needs to be updated. The source document is added to the version history of the target document.
- Document Name and Document Desc - Optional inputs to set the Target Document's name and description

Functions

findDocumentsByName

Searches from a root folder and returns a list of all documents matching the specified documentName (root folder can be a targeted folder or KC, or alternatively, can search the global collaboration hierarchy)

findFoldersByName (*DEPRECATED* - v1.0.6 - Due to defects within this module where certain inputs would return invalid results, this function has been hidden from the palette. Existing implementations will still continue to function but future use cases should be handled with the new FindContentByAttribute function)

Searches from a root folder and returns a list of all folders matching the specified folderName (root folder can be a targeted folder or KC, or alternatively, can search the global collaboration hierarchy)

getDocumentsFromFolder

Returns a list of all documents which are children of the specified rootFolder (optionally recursive). Can search by name, size, type, created, modified; ascending or descending.

getSubfoldersFromFolder

Returns a list of all folders which are children of the specified rootFolder (optionally recursive)

getFolderSearchability

Returns whether the specified folder is searchable or not

setFolderSearchability

Sets a specified folder's visibility flag to enable/disable searching. Additionally updates all child documents and provides an option to recursively set all child folders/documents.

getDocumentInternalIdsFromFolder

Unlike getDocumentsFromFolder, this returns document IDs rather than IDs associated with a specific version of a document.

getDocumentInternalIdsFromFolder

Unlike `getDocumentsFromFolder`, this returns document IDs rather than IDs associated with a specific version of a document.

findContentByAttribute (ADDED - v1.0.6)

Searches from a root folder and returns a list of all content (folders, documents, rule folders, rules) matching the specified attribute.

getConstantsFromFolder

Returns constants from a folder

returnContentRoleMap

Returns the security rolemap for a given content object

contentSecurityRoleMap (datatype)

CDT that backs the `returnContentRoleMap` function

getRuleReferenceByName

Returns a rule reference given the exact name of the rule

Releases

v1.0.6

Added `findContentByAttribute`

v1.0.7

Added `getConstantsFromFolder`, `returnContentRoleMap`, and `contentSecurityRoleMap`

v1.0.8

Update deprecated `AppianException` calls to use new method with `ErrorCode` in `getDocumentInternalIdsFromFolder()`

v1.0.9

Create Smart Service for Deleting a Document Version

v1.1.1

Create Smart Service for Deleting Documents Created Before a Given Date

v1.1.2

Deprecated smart service created in v 1.1.1

Added new, more performant smart service for Deleting Documents Created Before a Given Date

v1.1.3

Added a function for finding documents and folders pending approval within a Knowledge Center

Added a smart service for approving all documents and folders within a smart service that are pending approval

v1.1.4

Added a smart service for deleting old versions of rules and constants by amount and/or date

v1.2.0

Added a smart service for copying document to change extension, mavenized, and removed deprecated methods

v1.3.0

Added a smart service for setting folder security (while removing deprecated APIs)

v1.4.0

Added a function for getting a rule (interface, expression, integration, or decision) by its name

v1.5.0

Added a smart service for creating a new version of a document