



# CHAPTER 5

## Folder Management Functions

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This chapter provides information about the following folder management functions:

- [add\\_paks\\_to\\_folder](#), page 5-1
- [create\\_folder](#), page 5-2
- [delete\\_folder](#), page 5-3
- [list\\_all\\_folders](#), page 5-3
- [remove\\_paks\\_from\\_folder](#), page 5-4
- [rename\\_folder](#), page 5-5

### add\_paks\_to\_folder

#### Synopsis

```
add_paks_to_folder ($token, [@pak_ids], $folder)
```

#### Description

This function adds product authorization keys (PAKs) to the specified folder. You can add PAKs to more than one folder. If you want to keep a PAK in a single folder, you should remove the PAK from any other folder by calling the `remove_paks_from_folder` function.

#### Input Parameters

Parameter	Type	Value	Description
token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.

Parameter	Type	Value	Description
pak_ids	Array of string, mandatory	ID is a string containing up to 64 ASCII characters in the range from x21 to x7A	An array of PAK IDs to be added to the folder.
folder	String, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	The name of the folder.

**Return**

This function returns a `Cisco::CLM::Common::IDStatus` object. The error code will be `SUCCESS` if the operation is successful. `IDStatus` contains an array of `IDStatusItem`. Each `IDStatusItem` contains the PAK ID, error code, and error message.

**Error and Exception**

If a system error prevents the operation from completing, a `RemoteException` is thrown.

The `IDStatus` contains overall operation status. If an error occurs, `IDStatus` error code returns `none` `SUCCESS`, as well as an error message. For each individual ID, `IDStatus` contains `IDStatusItem`. Each `IDStatusItem` contains an ID, error code, and error message that shows the individual status.

## create\_folder

**Synopsis**

```
create_folder($token, $folder)
```

**Description**

This function creates a new folder with the given name.

**Input Parameters**

Parameter	Type	Value	Description
token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.
folder	String, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	The name of the folder.

**Return**

This function returns a `Cisco::CLM::Common::Status` object. If the operation is successful, the error code will be `SUCCESS`.

**Error and Exception**

If a system error prevents the operation from completing, a RemoteException is thrown.

When an error occurs, the Status object contains none SUCCESS error code and error message.

## delete\_folder

**Synopsis**

```
delete_folder ($token, $folder)
```

**Description**

This function deletes a folder from the system. PAKs under this folder are not deleted, but they cease to belong to any folder.

**Input Parameters**

Parameter	Type	Value	Description
token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.
folder	String, mandatory	ID is a string containing up to 64 ASCII characters in the range from x21 to x7A	The name of the folder.

**Return**

This function returns a Cisco::CLM::Common::Status object. If the operation is successful, the error code will be SUCCESS.

**Error and Exception**

If a system error prevents the operation from completing, a RemoteException is thrown.

When an error occurs, Status object contains none SUCCESS error code and error message.

## list\_all\_folders

**Synopsis**

```
list_all_folders($token)
```

**Description**

This function returns a list of all folders in the system.

**Input Parameters**

Parameter	Type	Value	Description
token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.

**Return**

This function returns an array of string representing the names of the folders.

**Error and Exception**

If a system error prevents the operation from completing, a RemoteException is thrown.

When an error occurs, this function returns null.

## remove\_paks\_from\_folder

**Synopsis**

```
remove_paks_from_folder ($token, [@pak_ids], $folder)
```

**Description**

This function removes PAKs from the specified folder. The PAKs become ungrouped but remain in the inventory. To delete the PAKs from inventory, use the delete\_paks function.

**Input Parameters**

Parameter	Type	Value	Description
token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.
pak_ids	Array of String, mandatory	ID is a string containing up to 64 ASCII characters in the range from x21 to x7A	An array of PAK IDs to be removed from the folder.
folder	String, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	The name of the folder.

**Return**

This function returns a `Cisco::CLM::Common::IDStatus` object. The error code will be `SUCCESS` if the operation is successful. `IDStatus` contains an array of `IDStatusItem`. Each `IDStatusItem` contains a PAK ID, error code, and error message.

**Error and Exception**

If a system error prevents the operation from completing, a `RemoteException` is thrown.

The `IDStatus` contains information about the overall operation status. If an error occurs, the `IDStatus` error code returns none `SUCCESS` and also an error message.

## rename\_folder

**Synopsis**

```
rename_folder ($token, $folder, $new_name)
```

**Description**

This function renames a given device group folder. All devices contained in the group will remain unchanged.

**Input Parameters**

Parameter	Type	Value	Description
token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.
folder	String, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	The name of the folder.
new_name	String, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	The new name for the device group folder.

**Return**

This function returns a `Cisco::CLM::Common::Status` object. The error code will be `SUCCESS` if the operation is successful.

**Error and Exception**

If a system error prevents the operation from completing, a `RemoteException` is thrown.

When an error occurs, `Status` object contains none `SUCCESS` error code and error message.

