



# CHAPTER 4

## Device Group Management Functions

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This chapter provides information about the following device group management functions:

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### addDevicesToGroup

#### Synopsis

```
IDStatus addDevicesToGroup(UserToken token, String[] dev_ids, String group) throws  
RemoteException;
```

#### Description

This function adds devices to the specified device group. You can add devices to more than one group.



#### Note

If you want to keep a device in a single group, you should remove the device from any other group by calling the `removeDevicesFromGroup()` function.

#### Input Parameters

Parameter	Type	Value	Description
	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.

dev_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 device IDs to be added to the group.
group	String, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	The name of the group.

**Return**

This function returns an IDStatus object. If the operation is successful, ClmErrors.SUCCESS is returned in the error code and the IDStatus object contains IDStatusItem[]. Each IDStatusItem contains the ID of the device that is being added to the group. If the device is added successfully to the group, the error code in the IDStatusItem returns ClmErrors.SUCCESS.

**Error and Exception**

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

When an error occurs, this function returns the IDStatus object with the error code and error message.

## createDeviceGroup

**Synopsis****Description**

This function creates a new device group with the given name.

**Input Parameters**

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.
group	String, mandatory	Name is a string containing up to 64 ASCII characters in the range from x21 to x7A	The name of the group.

**Return**

This function returns a Status object. If the operation is successful, ClmErrors.SUCCESS is returned in the error code.

## Error and Exception

# deleteDeviceGroup

### Synopsis

Status deleteDeviceGroup(UserToken token, String group) throws RemoteException;

### Description

### Input Parameters



### Return

### Error and Exception

# listAllGroups

### Synopsis

String[] listAllGroups(UserToken token) throws RemoteException;

Parameter	Type	Value	Description

## removeDevicesFromGroup

### Synopsis

IDStatus removeDevicesFromGroup(UserToken token, String[] dev\_ids, String group) throws RemoteException;

### Description

### Input Parameters

Parameter	Type	Value	Description

# renameDeviceGroup

## Synopsis

## Description

## Input Parameters

Parameter	Type	Value	Description

## Return

## Error and Exception

