



MAF NMS™

PowerShell commands



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## 1. Installation

MAF NMS PowerShell commands are deployed as a module contained in the UCACConnector.psm1 file. This file can be deployed anywhere on the target computer. An Import-Module is required before using the commands.

```
Import-Module UCACConnector -Force
```

If the modules was deployed in a PowerShell model file path

OR

```
Import-Module -Name E:\TempFiles\UCACConnector.psm1 -Force
```

If the file was copied outside module file paths. You may need to enable running scripts by running this command in PowerShell opened with administrator rights

```
Set-ExecutionPolicy unrestricted
```

## 2. Functions

### 2.1. New-UCASession

Connects to a UCA server for the purpose of running other cmdlets from MAF NMS PowerShell module.

#### Syntax

```
$Session = New-UCASession -UCAServer "https://Domain/CallLog" -UserName  
"admin" -Password "admin"
```

#### Returns

A Session variable that will be required for all other cmdlets from MAF ICIMS PowerShell module.

#### Parameters

| Parameter | Description  | Type   | Usage     |
|-----------|--|--------|-----------|
| UCAServer | The location of the UCA Server. Preferred scheme should be https | String | Mandatory |
| UserName  | User name  | String | Mandatory |
| Password  | Password   | String | Mandatory |
| SiteName  | Used only for multitenant systems or for sandbox environments    | String | Optional  |

## 2.2. New-UCADIDRange

Creates a new DID range.

### Syntax

```
New-UCADIDRange -Session $Session -FromNumber String -ToNumber String [-
Description String] [-ServiceProvider String] [-ServiceProviderNumber string]
[-Location] [string -HoldDays int] [-CreateExtensionRange bool] [-
FromExtension string] [-ToExtension string]
```

### Returns

An object with the newly created DID range.

```
Allocated          : 0
ID                 : 2106
FromNumber         : +4577415700
ToNumber           : +4577415799
Description        : Denmark - Copenhagen
Location           : Copenhagen
ServiceProvider     : Orange
ServiceProviderNumber : 1234
HoldDays           : 10
Size               : 100
```

### Parameters

| Parameter             | Description   | Type    | Usage     |
|-----------------------|---|---------|-----------|
| Session               | Session object to be used. Created by New-UCASession  | Object  | Mandatory |
| FromNumber            | Start DID range   | String  | Mandatory |
| ToNumber              | End DID range   | String  | Mandatory |
| Description           | DID range description   | String  | Optional  |
| ServiceProvider       | Service Provider  | String  | Optional  |
| ServiceProviderNumber | Service Provider Number   | String  | Optional  |
| Location              | Location. If the location is not defined in the system then this field will be ignored.   | String  | Optional  |
| HoldDays              | Number of days to hold a DID allocated after the current allocation finished. Default value -1, means that the default global Hold Days value will be used. | Int32   | Optional  |
| CreateExtensionRange  | Indicates if an extension range should be created. Default value false.   | Boolean | Optional  |
| FromExtension         | Start Extension range. Mandatory if CreateExtensionRange is true.   | String  | Optional  |
| ToExtension           | End Extension range. Mandatory if CreateExtensionRange is true.   | String  | Optional  |

### 2.3. Set-UCADIDRange

Updates an existing DID range.

#### Syntax

```
Set-UCADIDRange -Session $Session -ID int [-FromNumber string] [-ToNumber
string] [-Description string] [-ServiceProvider string] [-
ServiceProviderNumber String] [-Location string] [-HoldDays int]
```

#### Returns

An object with the newly created DID range.

```
Allocated          : 84
ID                 : 2106
FromNumber         : +4577415700
ToNumber           : +4577415799
Description        : Denmark - Copenhagen
Location           : Copenhagen
ServiceProvider     : Orange
ServiceProviderNumber : 1234
HoldDays           : 10
Size                : 100
```

#### Parameters

| Parameter             | Description   | Type   | Usage     |
|-----------------------|---|--------|-----------|
| Session               | Session object to be used. Created by New-UCASession  | Object | Mandatory |
| ID                    | ID of the DID range   | Int32  | Mandatory |
| FromNumber            | Start DID range   | String | Optional  |
| ToNumber              | End DID range   | String | Optional  |
| Description           | DID range description   | String | Optional  |
| ServiceProvider       | Service Provider  | String | Optional  |
| ServiceProviderNumber | Service Provider Number   | String | Optional  |
| Location              | Location. If the location is not defined in the system then this field will be ignored.   | String | Optional  |
| HoldDays              | Number of days to hold a DID allocated after the current allocation finished. Default value -1, means that the current value will not be changed. | Int32  | Optional  |

## 2.4. Remove-UCADIDRange

Removes and existing DID range.

### Syntax

```
Remove-UCADIDRange -Session $Session -ID int
```

### Parameters

| Parameter | Description  | Type   | Usage     |
|-----------|--|--------|-----------|
| Session   | Session object to be used. Created by New-UCASession | Object | Mandatory |
| ID        | ID of the DID range                                  | Int32  | Mandatory |

## 2.5. Get-UCADIDRanges

Gets a list of DID ranges.

### Syntax

```
Get-UCADIDRanges -Session $Session [-Description string] [-ID int] [-Location string] [-ServiceProvider string] [-ServiceProviderNumber string]
```

### Returns

```

Allocated      : 0
ID             : 4
FromNumber     : +541155508150
ToNumber       : +541155508197
Description    :
Location       : Cambridge
ServiceProvider :
ServiceProviderNumber :
HoldDays       : 2
Size           : 48

```

```

Allocated      : 0
ID             : 1008
FromNumber     : +16176792000
ToNumber       : +16176793999
Description    : United States - Cambridge (Range 2)
Location       : Cambridge
ServiceProvider :
ServiceProviderNumber :
HoldDays       : 0
Size           : 2000

```

## Parameters

| Parameter             | Description  | Type   | Usage     |
|-----------------------|--|--------|-----------|
| Session               | Session object to be used. Created by New-UCASession | Object | Mandatory |
| ID                    | Filter DID range by ID                               | Int32  | Optional  |
| Description           | Filter DID range by description                      | String | Optional  |
| ServiceProvider       | Filter DID ranges by Service Provider                | String | Optional  |
| ServiceProviderNumber | Filter DID ranges by Service Provider Number         | String | Optional  |
| Location              | Filter DID ranges by location                        | String | Optional  |

### 2.6. Get-UCAFreeDID

Requests a free DID.

#### Syntax

```
Get-UCAFreeDID -Session $Session [-Location string] [-DIDRangeID int] [-Description string] [-ReserveHours int]
```

#### Returns

```
Number          ReservedUntil
-----          -
+0232222200    2017-07-28T01:37:08.4142259
```

## Parameters

| Parameter    | Description   | Type   | Usage     |
|--------------|---|--------|-----------|
| Session      | Session object to be used. Created by New-UCASession  | Object | Mandatory |
| RangeID      | DID Range ID from which to get a free DID   | Int32  | Optional  |
| Description  | DID Range's description from which to get a free DID  | String | Optional  |
| Location     | The location of the DID ranges from which to get a free DID   | String | Optional  |
| ReserveHours | The number of hours to hold this new DID number for allowing it to be reused. Default 12 hours. 0 (zero) means that the Reservation is not done, useful when one wants to see the next available DID without actually reserve it. | Int32  | Optional  |

**Note:** Reserved Hours only needs to hold the reservation long enough for the user to be allocated in Lync, once allocated the reserve is no longer needed.

## About MAF InfoCom™

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