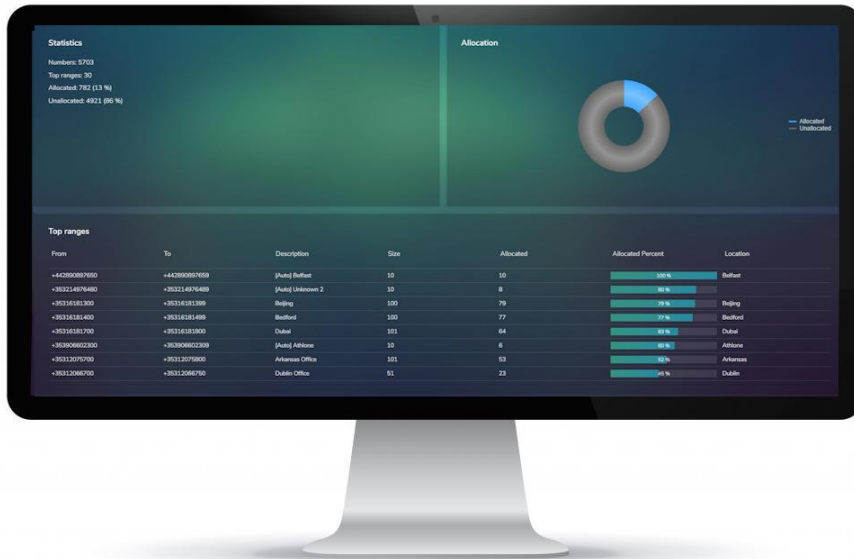


MAF NMS™

PowerShell Commands

DID Range Number Management System



INHOUD

1. Installation.....	3
2. Functions	3
2.1. New-UCASession	3
2.2. New-UCADIDRange.....	4
2.3. Set-UCADIDRange.....	5
2.4. Remove-UCADIDRange.....	6
2.5. Get-UCADIDRanges	6
2.6. Get-UCAFreeDID	7

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.



Who we are

Formed in 2000, MAF InfoCom™ is a leading innovative technology provider with two decades experience delivering solutions for Unified Communications and Collaboration including Monitoring, Analytics, Reporting, Recording, Headset & Device Management and DID Management.

We serve tens of thousands customers around the globe, in a large variety of branches. We have installations in over 50 countries ranging from SME's to multi-national global enterprises. In Europe MAF InfoCom™ is the largest provider of UC reporting solutions.

With the market trend towards Unified Communications and Collaboration we expand our sales across the globe rapidly. Our solutions work with every major UC&C technology.

Our solutions are offered from the Cloud, On-Premises and Partner Hosted to enable our customers and partners to choose the best model for their needs.

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UC&C Monitoring Analytics & Reporting

MAF ICIMS CC™

Live Wallboards, Real Time Agent Status

MAF NMS™

Number Management System, DID Range Management

MAF UCR™

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Inventory Management for Headset and Devices

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