
VMware-vCD-Module Documentation

Release latest

Jun 25, 2020

- 1 Invoke Commands** **3**
- 1.1 Invoke-MyOnBoarding 3
- 2 New Commands** **5**
- 2.1 New-MyEdgeGateway 5
- 2.2 New-MyOrg 6
- 2.3 New-MyOrgAdmin 6
- 2.4 New-MyOrgNetwork 7
- 2.5 New-MyOrgVdc 8

This the basic documentation of the 'VMware-vCD-Module' PowerShell Module.

GitHub: <https://github.com/mycloudrevolution/VMware-vCD-Module>

WebSite: <https://mycloudrevolution.com/>

The main documentation for the module is organized into a couple sections:

- *Feature Documentation*

This page contains details on **Invoke** commands.

1.1 Invoke-MyOnBoarding

NAME Invoke-MyOnBoarding

SYNOPSIS Creates all vCD Objects for a new IAAS Customer

SYNTAX Invoke-MyOnBoarding [-ConfigFile] <String> [-Enabled] [<CommonParameters>]

DESCRIPTION Creates all vCD Objects for a new IAAS Customer

All Objects are: * Org * Default Org Admin * Org VDC ** Private Catalog ** Optional Bridged Network

JSON Config Example:

```
{ "Org": {
  "Name": "TestOrg", "FullName": "Test Org", "Description": "Automation Test Org"
},
"OrgAdmin": {
  "Name": "TestOrgAdmin", "Password": "myPassword1!", "FullName": "Test OrgAdmin",
  "EmailAddress": "test@admin.org"
},
"OrgVdc": {
  "Name": "TestOrgVdc", "FixedSize": "M", "CPULimit": "1000", "MEMLimit": "1000",
  "StorageLimit": "1000", "StorageProfile": "Standard-DC01", "ProviderVDC": "Provider-
VDC-DC01", "NetworkPool": "Provider-VDC-DC01-NetPool", "ExternalNetwork": "Ex-
ternal_OrgVdcNet", "EdgeGateway": "Yes", "IPAddress": "192.168.100.1", "Subnet-
Mask": "255.255.255.0", "Gateway": "192.168.100.254", "IPRangeStart": "192.168.100.2",
"IPRangeEnd": "192.168.100.3"
```

```
}  
}
```

PARAMETERS

-ConfigFile <String> Full Path to the JSON Config File

-Enabled [<SwitchParameter>] Should the Customer be enabled after creation

Default: \$False

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<http://go.microsoft.com/fwlink/?LinkID=113216>).

————— EXAMPLE 1 —————

```
PS C:>Invoke-MyOnBoarding -ConfigFile ".OnBoarding.json" -Enabled:$true
```

————— EXAMPLE 2 —————

```
PS C:>Invoke-MyOnBoarding -ConfigFile ".OnBoarding.json" -Enabled:$false
```

REMARKS To see the examples, type: “get-help Invoke-MyOnBoarding -examples”. For more information, type: “get-help Invoke-MyOnBoarding -detailed”. For technical information, type: “get-help Invoke-MyOnBoarding -full”. For online help, type: “get-help Invoke-MyOnBoarding -online”

This page contains details on **New** commands.

2.1 New-MyEdgeGateway

NAME New-MyEdgeGateway

SYNOPSIS Creates a new Edge Gateway with Default Parameters

SYNTAX New-MyEdgeGateway [-Name] <String> [-OrgVdcName] <String> [-OrgName] <String> [-Size] <String> [-ExternalNetwork] <String> [-IPAddress] <IPAddress> [-SubnetMask] <IPAddress> [-Gateway] <IPAddress> [-IPRangeStart] <IPAddress> [-IPRangeEnd] <IPAddress> [[-Timeout] <Int32>] [<CommonParameters>]

DESCRIPTION Creates a new Edge Gateway with Default Parameters

Default Parameters are: * HA State * DNS Relay

PARAMETERS

- Name <String> Name of the New Edge Gateway as String
- OrgVdcName <String> OrgVDC where the new Edge Gateway should be created as string
- OrgName <String> Org where the new Edge Gateway should be created as string
- Size <String> Size of the new Edge Gateway as string
- ExternalNetwork <String> External Network of the new Edge Gateway as String
- IPAddress <IPAddress> IP Address of the New Edge Gateway as IP Address
- SubnetMask <IPAddress> Subnet Mask of the New Edge Gateway as IP Address
- Gateway <IPAddress> Gateway of the New Edge Gateway as IP Address
- IPRangeStart <IPAddress> Sub Allocation IP Range Start of the New Edge Gateway as IP Address
- IPRangeEnd <IPAddress> Sub Allocation IP Range End of the New Edge Gateway as IP Address

-Timeout <Int32> Timeout for the Edge Gateway to get Ready

Default: 120s

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<http://go.microsoft.com/fwlink/?LinkID=113216>).

————— EXAMPLE 1 —————

```
PS C:>New-MyEdgeGateway -Name "TestEdge" -OrgVDCName "TestVDC" -OrgName "TestOrg" -Size compact -ExternalNetwork "ExternalNetwork" -IPAddress "192.168.100.1" -SubnetMask "255.255.255.0" -Gateway "192.168.100.254" -IPRangeStart ""192.168.100.2" -IPRangeEnd ""192.168.100.3" -Verbose
```

REMARKS To see the examples, type: “get-help New-MyEdgeGateway -examples”. For more information, type: “get-help New-MyEdgeGateway -detailed”. For technical information, type: “get-help New-MyEdgeGateway -full”. For online help, type: “get-help New-MyEdgeGateway -online”

2.2 New-MyOrg

NAME New-MyOrg

SYNOPSIS Creates a new vCD Org with Default Parameters

SYNTAX New-MyOrg [-Name] <String> [-FullName] <String> [[-Description] <String>] [-Enabled] [<CommonParameters>]

DESCRIPTION Creates a new vCD Org with Default Parameters.

Default Parameters are: * Catalog Publishing * Catalog Subscription * VM Quota * Stored VM Quota * VM Lease Time * Stored VM Lease Time * Password Policy Settings

PARAMETERS

-Name <String> Name of the New Org as String

-FullName <String> Full Name of the New Org as String

-Description <String> Description of the New Org as String

-Enabled [<SwitchParameter>] Should the New Org be enabled after creation

Default:\$false

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<http://go.microsoft.com/fwlink/?LinkID=113216>).

————— EXAMPLE 1 —————

```
PS C:>New-MyOrg -Name "TestOrg" -FullName "Test Org" -Description "PowerCLI Test Org"
```

REMARKS To see the examples, type: “get-help New-MyOrg -examples”. For more information, type: “get-help New-MyOrg -detailed”. For technical information, type: “get-help New-MyOrg -full”. For online help, type: “get-help New-MyOrg -online”

2.3 New-MyOrgAdmin

NAME New-MyOrgAdmin

SYNOPSIS Creates a new vCD Org Admin with Default Parameters

SYNTAX New-MyOrgAdmin [-Name] <String> [-Pasword] <String> [-FullName] <String> [-EmailAddress] <String> [-Org] <String> [-Enabled] [<CommonParameters>]

DESCRIPTION Creates a new vCD Org Admin with Default Parameters

Default Parameters are: * User Role

PARAMETERS

- Name <String> Name of the New Org Admin as String
- Pasword <String>
- FullName <String> Full Name of the New Org Admin as String
- EmailAddress <String> EmailAddress of the New Org Admin as String
- Org <String> Org where the new Org Admin should be created as string
- Enabled [<SwitchParameter>] Should the New Org be enabled after creation

Default:\$false

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<http://go.microsoft.com/fwlink/?LinkID=113216>).

EXAMPLE 1

```
PS C:>New-MyOrgAdmin -Name "OrgAdmin" -Pasword "Anfang!!" -FullName "Org Admin" -EmailAddress "OrgAdmin@TestOrg.local" -Org "TestOrg"
```

REMARKS To see the examples, type: “get-help New-MyOrgAdmin -examples”. For more information, type: “get-help New-MyOrgAdmin -detailed”. For technical information, type: “get-help New-MyOrgAdmin -full”. For online help, type: “get-help New-MyOrgAdmin -online”

2.4 New-MyOrgNetwork

NAME New-MyOrgNetwork

SYNOPSIS Creates a new Org Network with Default Parameters

SYNTAX New-MyOrgNetwork [-Name] <String> [-OrgVdcName] <String> [-OrgName] <String> [-EdgeName] <String> [-SubnetMask] <IPAddress> [-Gateway] <IPAddress> [-IPRangeStart] <IPAddress> [-IPRangeEnd] <IPAddress> [[-Shared] <Boolean>] [[-Timeout] <Int32>] [<CommonParameters>]

DESCRIPTION

PARAMETERS

- Name <String> Name of the New Org Network as String
- OrgVdcName <String> OrgVDC where the new Org Network should be created as string
- OrgName <String> Org where the newOrg Networkshould be created as string
- EdgeName <String> Edge Gateway Name for the new Org Network as String
- SubnetMask <IPAddress> Subnet Mask of the New Org Network as IP Address
- Gateway <IPAddress> Gateway of the New Org Network as IP Address
- IPRangeStart <IPAddress> IP Range Start of the New Org Network as IP Address
- IPRangeEnd <IPAddress> IP Range End of the New Org Network as IP Address

-Shared <Boolean> Switch for Shared OrgVDC Network

Default: \$True

-Timeout <Int32> Timeout for the Org Network to become Ready

Default: 120s

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<http://go.microsoft.com/fwlink/?LinkID=113216>).

————— EXAMPLE 1 —————

```
PS C:>New-MyOrgNetwork -Name Test -OrgVdcName "Test-OrgVDC" -OrgName "Test-Org" -EdgeName
"Test-OrgEdge" -SubnetMask 255.255.255.0 -Gateway 192.168.66.1 -IPRangeStart 192.168.66.100 -
IPRangeEnd 192.168.66.200
```

————— EXAMPLE 2 —————

```
PS C:>New-MyOrgNetwork -Name Test -OrgVdcName "Test-OrgVDC" -OrgName "Test-Org" -EdgeName
"Test-OrgEdge" -SubnetMask 255.255.255.0 -Gateway 192.168.66.1 -IPRangeStart 192.168.66.100 -
IPRangeEnd 192.168.66.200 -Shared:$False
```

————— EXAMPLE 3 —————

```
PS C:>$params = @{ 'Name' = 'Test';
```

```
  'OrgVdcName' = 'Test-OrgVDC'; 'OrgName' = 'Test-Org'; 'EdgeName' = 'Test-OrgEdge'; 'SubnetMask' =
    '255.255.255.0'; 'Gateway' = '192.168.66.1'; 'IPRangeStart' = '192.168.66.100'; 'IPRangeEnd' =
    '192.168.66.200' }
```

```
New-MyOrgNetwork @params -Verbose
```

REMARKS To see the examples, type: “get-help New-MyOrgNetwork -examples”. For more information, type: “get-help New-MyOrgNetwork -detailed”. For technical information, type: “get-help New-MyOrgNetwork -full”. For online help, type: “get-help New-MyOrgNetwork -online”

2.5 New-MyOrgVdc

NAME New-MyOrgVdc

SYNOPSIS Creates a new vCD Org VDC with Default Parameters

SYNTAX New-MyOrgVdc [-Name] <String> [-AllocationModel] <String> [[-CPULimit] <Int32>] [[-MEMMLimit] <Int32>] [-StorageLimit] <Int32> [-StorageProfile] <String> [-NetworkPool] <String> [[-ExternalNetwork] <String>] [-Enabled] [-ProviderVDC] <String> [-Org] <String> [[-Timeout] <Int32>] [<CommonParameters>]

DESCRIPTION Creates a new vCD Org VDC with Default Parameters

Default Parameters are: * Network Quota * VM Quota * 'vCpu In Mhz' * Fast Provisioning * Thin Provisioning * private Catalog

PARAMETERS

-Name <String> Name of the New Org VDC as String

-AllocationModel <String> Allocation Model of the New Org VDC as String

-CPULimit <Int32> CPU Limit (MHz) of the New Org VDC as String

Default: 0 (Unlimited)

Note: If AllocationModel is not AllocationVApp (Pay as you go), a limit needs to be set

-MEMLimit <Int32> Memory Limit (MB) of the New Org VDC as String

Default: 0 (Unlimited)

Note: If AllocationModel is not AllocationVApp (Pay as you go), a limit needs to be set

-StorageLimit <Int32> Storage Limit (MB) of the New Org VDC as String

-StorageProfile <String> Storage Profile of the New Org VDC as String

-NetworkPool <String> Network Pool of the New Org VDC as String

-ExternalNetwork <String> Optional External Network of the New Org VDC as String

-Enabled [<SwitchParameter>] Should the New Org VDC be enabled after creation

Default:\$false

Note: If an External Network is requested the Org VDC will be enabled during External Network Configuration

-ProviderVDC <String> ProviderVDC where the new Org VDC should be created as string

-Org <String> Org where the new Org VDC should be created as string

-Timeout <Int32> Timeout for the Org VDC to get Ready

Default: 120s

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<http://go.microsoft.com/fwlink/?LinkID=113216>).

————— EXAMPLE 1 —————

```
PS C:>New-MyOrgVdc -Name "TestVdc" -AllocationModel AllocationPool -CPULimit 1000 -MEMLimit 1000 -StorageLimit 1000 -StorageProfile "Standard-DC01" -NetworkPool "NetworkPool-DC01" -ProviderVDC "Provider-VDC-DC01" -Org "TestOrg" -ExternalNetwork "External_OrgVdcNet"
```

————— EXAMPLE 2 —————

```
PS C:>New-MyOrgVdc -Name "TestVdc" -AllocationModel AllocationVApp -StorageLimit 1000 -StorageProfile "Standard-DC01" -NetworkPool "NetworkPool-DC01" -ProviderVDC "Provider-VDC-DC01" -Org "TestOrg"
```

REMARKS To see the examples, type: “get-help New-MyOrgVdc -examples”. For more information, type: “get-help New-MyOrgVdc -detailed”. For technical information, type: “get-help New-MyOrgVdc -full”. For online help, type: “get-help New-MyOrgVdc -online”