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# VMware-vCD-Module Documentation

*Release stable*

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## Feature Documentation

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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>).

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EXAMPLE 1

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```
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>).

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EXAMPLE 1

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```
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>] [[-MEMLimit] <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”