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# **VMware-NSXvCD-Module Documentation**

*Release latest*

Sep 17, 2018



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

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

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

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

- *Feature Documentation*
- 

external help file: Add-NsxVcdDfwSecurityTagVM-help.xml Module Name: VMware-NSXvCD-Module online version: <https://mycloudrevolution.com/> schema: 2.0.0

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## Add-NsxVcdDfwSecurityTagVM

---

### 1.1 SYNOPSIS

### 1.2 SYNTAX

```
Add-NsxVcdDfwSecurityTagVM [-SecurityTagId] <String> [[-VmId] <String>] [  
↪<CommonParameters>]
```

### 1.3 DESCRIPTION

Add a VM to a Security Tag of the OrgVdc DFW.

### 1.4 EXAMPLES

#### 1.4.1 EXAMPLE 1

```
Add-NsxVcdDfwSecurityTagVMs -SecurityTagId SecurityTagId -VmId
```

### 1.5 PARAMETERS

#### 1.5.1 -SecurityTagId

Id (objectId) of the Security Tag

```
Type: String
Parameter Sets: (All)
Aliases: objectId

Required: True
Position: 1
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

## 1.5.2 -VmId

Id (UUID) of the VM

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: 2
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## 1.5.3 CommonParameters

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

## 1.6 INPUTS

## 1.7 OUTPUTS

## 1.8 NOTES

File Name : Add-NsxVcdDfwSecurityTagVM.ps1 Author : Markus Kraus Version : 1.0 State : Ready

## 1.9 RELATED LINKS

<https://mycloudrevolution.com/>

---

external help file: Enable-NsxVcdDfw-help.xml Module Name: VMware-NSXvCD-Module online version:  
<https://mycloudrevolution.com/> schema: 2.0.0

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---

## Enable-NsxVcdDfw

---

### 2.1 SYNOPSIS

### 2.2 SYNTAX

```
Enable-NsxVcdDfw [[-Id] <String>] [<CommonParameters>]
```

### 2.3 DESCRIPTION

Enables the Distributed Firewall for the OrgVdc.

### 2.4 EXAMPLES

#### 2.4.1 EXAMPLE 1

```
Enable-NsxVcdDfw -Id OrgVdcId
```

### 2.5 PARAMETERS

#### 2.5.1 -Id

Id of the OrgVdc

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: 1
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## 2.5.2 CommonParameters

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

## 2.6 INPUTS

## 2.7 OUTPUTS

## 2.8 NOTES

File Name : Enable-NsxVcdDfw.ps1 Author : Markus Kraus Version : 0.2 State : Test

## 2.9 RELATED LINKS

<https://mycloudrevolution.com/>

---

external help file: Format-XML-help.xml Module Name: VMware-NSXvCD-Module online version: <https://mycloudrevolution.com/> schema: 2.0.0

---

### 3.1 SYNOPSIS

Accepts a string containing valid XML tags or an `XMLElement` object and outputs it as a formatted string including newline and indentation of child nodes.

### 3.2 SYNTAX

```
Format-XML [-xml] <Object> [-indent <Int32>] [<CommonParameters>]
```

### 3.3 DESCRIPTION

Valid XML returned by the NSX API is a single string with no newlines or indentation. While `PowerNSX` cmdlets typically emit an `XMLElement` object, which PowerShell outputs as formatted tables or lists when outputting to host, making normal human interaction easy, for output to file or debug stream, `format-xml` converts the API returned XML to more easily read formatted XML complete with linebreaks and indentation.

As a side effect, this has the added benefit of being useable as an additional format handler on the PowerShell pipeline, so rather than displaying output objects using familiar table and list output formats, the user now has the option of displaying the native XML in a human readable format.

## 3.4 EXAMPLES

### 3.4.1 EXAMPLE 1

```
Get-NsxTransportZone | Format-Xml
```

Displays the XMLElement object returned by Get-NsxTransportZone as formatted XML.

## 3.5 PARAMETERS

### 3.5.1 -xml

String object containing valid XML, or XMLElement or XMLDocument object

```
Type: Object
Parameter Sets: (All)
Aliases:

Required: False
Position: 2
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

### 3.5.2 -indent

Number of whitespace characters to indent child nodes by when formatting

```
Type: Int32
Parameter Sets: (All)
Aliases:

Required: False
Position: Named
Default value: 2
Accept pipeline input: False
Accept wildcard characters: False
```

### 3.5.3 CommonParameters

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

## 3.6 INPUTS

## 3.7 OUTPUTS

## 3.8 NOTES

## 3.9 RELATED LINKS

---

external help file: Get-NsxVcdDfwRule-help.xml Module Name: VMware-NSXvCD-Module online version:  
<https://mycloudrevolution.com/> schema: 2.0.0

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---

## Get-NsxVcdDfwRule

---

### 4.1 SYNOPSIS

### 4.2 SYNTAX

#### 4.2.1 layer3Sections

```
Get-NsxVcdDfwRule -OrgVdcId <String> [-RuleId <String>] [-layer3Sections] [-  
→OutputXML] [<CommonParameters>]
```

#### 4.2.2 layer2Sections

```
Get-NsxVcdDfwRule -OrgVdcId <String> [-RuleId <String>] [-layer2Sections] [-  
→OutputXML] [<CommonParameters>]
```

### 4.3 DESCRIPTION

Returns the list of the Firewall Rules the OrgVdc DFW.

### 4.4 EXAMPLES

#### 4.4.1 EXAMPLE 1

```
Get-NsxVcdDfwRule -OrgId OrgVdcId -layer3Sections
```

## 4.4.2 EXAMPLE 2

```
Get-NsxVcdDfwRule -OrgId OrgVdcId -layer2Sections
```

## 4.4.3 EXAMPLE 3

```
Get-NsxVcdDfwRule -OrgId OrgVdcId -layer2Sections -RuleId 1234
```

## 4.5 PARAMETERS

### 4.5.1 -OrgVdcId

Id of the OrgVdcId

```
Type: String
Parameter Sets: (All)
Aliases:

Required: True
Position: Named
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

### 4.5.2 -RuleId

Rule Id of the OrgVdc DFW

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: Named
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

### 4.5.3 -layer3Sections

Display only layer3Sections

```
Type: SwitchParameter
Parameter Sets: layer3Sections
Aliases:

Required: True
Position: Named
Default value: False
```

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```
Accept pipeline input: False
Accept wildcard characters: False
```

#### 4.5.4 -layer2Sections

Display only layer2Sections

```
Type: SwitchParameter
Parameter Sets: layer2Sections
Aliases:

Required: True
Position: Named
Default value: False
Accept pipeline input: False
Accept wildcard characters: False
```

#### 4.5.5 -OutputXML

Output the result as XML

```
Type: SwitchParameter
Parameter Sets: (All)
Aliases:

Required: False
Position: Named
Default value: False
Accept pipeline input: False
Accept wildcard characters: False
```

#### 4.5.6 CommonParameters

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

## 4.6 INPUTS

## 4.7 OUTPUTS

## 4.8 NOTES

File Name : Get-NsxVcdDfwRule.ps1 Author : Markus Kraus Version : 1.0 State : Ready

## 4.9 RELATED LINKS

<https://mycloudrevolution.com/>

---

external help file: Get-NsxVcdDfwSecurityGroups-help.xml Module Name: VMware-NSXvCD-Module online version: <https://mycloudrevolution.com/> schema: 2.0.0

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---

## Get-NsxVcdDfwSecurityGroups

---

### 5.1 SYNOPSIS

### 5.2 SYNTAX

```
Get-NsxVcdDfwSecurityGroups [-OrgVdcId] <String> [-OutputXML] [<CommonParameters>]
```

### 5.3 DESCRIPTION

Returns the Security Groups of the OrgVdc DFW.

### 5.4 EXAMPLES

#### 5.4.1 EXAMPLE 1

```
Get-NsxVcdDfwSecurityGroups -OrgId OrgVdcId
```

#### 5.4.2 EXAMPLE 2

```
Get-NsxVcdDfwSecurityGroups -OrgId OrgVdcId -OutputXML
```

### 5.4.3 EXAMPLE 3

```
Get-NsxVcdDfwSecurityGroups -OrgVdcId OrgVdcId | select objectId, name, @{N='type';  
↳E= {$_ .type.typeName}}
```

## 5.5 PARAMETERS

### 5.5.1 -OrgVdcId

Id of the OrgVdcId

```
Type: String  
Parameter Sets: (All)  
Aliases:  
  
Required: True  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False
```

### 5.5.2 -OutputXML

Output the result as XML

```
Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False
```

### 5.5.3 CommonParameters

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

## 5.6 INPUTS

## 5.7 OUTPUTS

## 5.8 NOTES

File Name : Get-NsxVcdDfwSecurityGroups.ps1 Author : Markus Kraus Version : 1.0 State : Ready

## 5.9 RELATED LINKS

<https://mycloudrevolution.com/>

---

external help file: Get-NsxVcdDfwSecurityTagVMs-help.xml Module Name: VMware-NSXvCD-Module online version: <https://mycloudrevolution.com/> schema: 2.0.0

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---

## Get-NsxVcdDfwSecurityTagVMs

---

### 6.1 SYNOPSIS

### 6.2 SYNTAX

```
Get-NsxVcdDfwSecurityTagVMs [-SecurityTagId] <Object> [-OutputXML] [<CommonParameters>
→]
```

### 6.3 DESCRIPTION

Returns the Security Tag VMs of the OrgVdc DFW.

### 6.4 EXAMPLES

#### 6.4.1 EXAMPLE 1

```
Get-NsxVcdDfwSecurityTagVMs -SecurityTagId SecurityTagId
```

#### 6.4.2 EXAMPLE 2

```
Get-NsxVcdDfwSecurityTagVMs -SecurityTagId SecurityTagId -OutputXML
```

### 6.4.3 EXAMPLE 3

```
Get-NsxVcdDfwSecurityTags -OrgVdcId OrgVdcId | Get-NsxVcdDfwSecurityTagVMs | select_
↪objectId, objectTypeName, name
```

## 6.5 PARAMETERS

### 6.5.1 -SecurityTagId

Id (objectId) of the Security Tag

```
Type: Object
Parameter Sets: (All)
Aliases: objectId

Required: True
Position: 1
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

### 6.5.2 -OutputXML

Output the result as XML

```
Type: SwitchParameter
Parameter Sets: (All)
Aliases:

Required: False
Position: Named
Default value: False
Accept pipeline input: False
Accept wildcard characters: False
```

### 6.5.3 CommonParameters

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

## 6.6 INPUTS

## 6.7 OUTPUTS

## 6.8 NOTES

File Name : Get-NsxVcdDfwSecurityTagVMs.ps1 Author : Markus Kraus Version : 1.0 State : Ready

## 6.9 RELATED LINKS

<https://mycloudrevolution.com/>

---

external help file: Get-NsxVcdDfwSecurityTags-help.xml Module Name: VMware-NSXvCD-Module online version:  
<https://mycloudrevolution.com/> schema: 2.0.0

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---

## Get-NsxVcdDfwSecurityTags

---

### 7.1 SYNOPSIS

### 7.2 SYNTAX

```
Get-NsxVcdDfwSecurityTags [-OrgVdcId] <String> [-OutputXML] [<CommonParameters>]
```

### 7.3 DESCRIPTION

Returns the Security tags of the OrgVdc DFW.

### 7.4 EXAMPLES

#### 7.4.1 EXAMPLE 1

```
Get-NsxVcdDfwSecurityTags -OrgId OrgVdcId
```

#### 7.4.2 EXAMPLE 2

```
Get-NsxVcdDfwSecurityTags -OrgId OrgVdcId -OutputXML
```

### 7.4.3 EXAMPLE 3

```
Get-NsxVcdDfwSecurityTags -OrgVdcId OrgVdcId | select objectId, name, description, ↵  
↵vmCount
```

## 7.5 PARAMETERS

### 7.5.1 -OrgVdcId

Id of the OrgVdcId

```
Type: String  
Parameter Sets: (All)  
Aliases:  
  
Required: True  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False
```

### 7.5.2 -OutputXML

Output the result as XML

```
Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False
```

### 7.5.3 CommonParameters

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

## 7.6 INPUTS

## 7.7 OUTPUTS

## 7.8 NOTES

File Name : Get-NsxVcdDfwSecurityTags.ps1 Author : Markus Kraus Version : 1.0 State : Ready

## 7.9 RELATED LINKS

<https://mycloudrevolution.com/>

---

external help file: Get-NsxVcdEdge-help.xml Module Name: VMware-NSXvCD-Module online version:  
<https://mycloudrevolution.com/> schema: 2.0.0

---



---

## Get-NsxVcdEdge

---

### 8.1 SYNOPSIS

### 8.2 SYNTAX

```
Get-NsxVcdEdge [[-Name] <String>] [[-OrgVdcName] <String>] [<CommonParameters>]
```

### 8.3 DESCRIPTION

Returns the Edge Gateways.

### 8.4 EXAMPLES

#### 8.4.1 EXAMPLE 1

```
Get-NsxVcdEdge
```

#### 8.4.2 EXAMPLE 2

```
Get-NsxVcdEdge -Name YourEdgeName
```

### 8.4.3 EXAMPLE 3

```
Get-NsxVcdEdge -OrgVdcName YourOrgName
```

### 8.4.4 EXAMPLE 4

```
Get-NsxVcdEdge | select Name, datacenterName, Id | ft -AutoSize
```

## 8.5 PARAMETERS

### 8.5.1 -Name

Name of the Edge Gateway

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: 1
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

### 8.5.2 -OrgVdcName

OrgVdc Name of the Edge Gateway

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: 2
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

### 8.5.3 CommonParameters

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

## 8.6 INPUTS

## 8.7 OUTPUTS

## 8.8 NOTES

File Name : Get-NsxVcdEdge.ps1 Author : Markus Kraus Version : 1.3 State : Ready

## 8.9 RELATED LINKS

<https://mycloudrevolution.com/>

---

external help file: Get-NsxVcdEdgeDetails-help.xml Module Name: VMware-NSXvCD-Module online version:  
<https://mycloudrevolution.com/> schema: 2.0.0

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---

## Get-NsxVcdEdgeDetails

---

### 9.1 SYNOPSIS

### 9.2 SYNTAX

```
Get-NsxVcdEdgeDetails [-Id] <String> [<CommonParameters>]
```

### 9.3 DESCRIPTION

Returns Details of the Edge Gateway.

### 9.4 EXAMPLES

#### 9.4.1 EXAMPLE 1

```
Get-NsxVcdEdgeDetails -Id EdgeId
```

#### 9.4.2 EXAMPLE 2

```
Get-NsxVcdEdge | Get-NsxVcdEdgeDetails | ft -AutoSize
```

## 9.5 PARAMETERS

### 9.5.1 -Id

Id of the Edge Gateway

Note: You can list all Ids of your edges by: 'Get-NsxVcdEdge | select Name, datacenterName, Id'

```
Type: String
Parameter Sets: (All)
Aliases:

Required: True
Position: 1
Default value: None
Accept pipeline input: True (ByPropertyName, ByValue)
Accept wildcard characters: False
```

### 9.5.2 CommonParameters

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

## 9.6 INPUTS

## 9.7 OUTPUTS

## 9.8 NOTES

File Name : Get-NsxVcdEdgeDetails.ps1 Author : Markus Kraus Version : 1.1 State : Ready

## 9.9 RELATED LINKS

<https://mycloudrevolution.com/>

---

external help file: Get-NsxVcdEdgeFirewallRule-help.xml Module Name: VMware-NSXvCD-Module online version: <https://mycloudrevolution.com/> schema: 2.0.0

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## Get-NsxVcdEdgeFirewallRule

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### 10.1 SYNOPSIS

### 10.2 SYNTAX

```
Get-NsxVcdEdgeFirewallRule [-Id] <String> [[-RuleId] <Int64>] [-OutputXML] [  
↪<CommonParameters>]
```

### 10.3 DESCRIPTION

Returns the list of the Firewall Rules of the Edge Gateway.

### 10.4 EXAMPLES

#### 10.4.1 EXAMPLE 1

```
Get-NsxVcdEdgeFirewallRule -Id EdgeId
```

#### 10.4.2 EXAMPLE 2

```
Get-NsxVcdEdge | Get-NsxVcdEdgeFirewallRule | ft -AutoSize
```

## 10.5 PARAMETERS

### 10.5.1 -Id

Id of the Edge Gateway

Note: You can list all Ids of your edges by: 'Get-NsxVcdEdge | select Name, datacenterName, Id'

```
Type: String
Parameter Sets: (All)
Aliases:

Required: True
Position: 1
Default value: None
Accept pipeline input: True (ByPropertyName, ByValue)
Accept wildcard characters: False
```

### 10.5.2 -RuleId

RuleId of the Firewall Rule

```
Type: Int64
Parameter Sets: (All)
Aliases:

Required: False
Position: 2
Default value: 0
Accept pipeline input: False
Accept wildcard characters: False
```

### 10.5.3 -OutputXML

Output the result as XML

```
Type: SwitchParameter
Parameter Sets: (All)
Aliases:

Required: False
Position: Named
Default value: False
Accept pipeline input: False
Accept wildcard characters: False
```

### 10.5.4 CommonParameters

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

## 10.6 INPUTS

## 10.7 OUTPUTS

## 10.8 NOTES

File Name : Get-NsxVcdEdgeFirewallRule.ps1 Author : Markus Kraus Version : 1.2 State : Ready

## 10.9 RELATED LINKS

<https://mycloudrevolution.com/>

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external help file: Get-NsxVcdEdgeFirewallRuleDetails-help.xml Module Name: VMware-NSXvCD-Module online version: <https://mycloudrevolution.com/> schema: 2.0.0

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## Get-NsxVcdEdgeFirewallRuleDetails

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### 11.1 SYNOPSIS

### 11.2 SYNTAX

```
Get-NsxVcdEdgeFirewallRuleDetails [-Id] <String> [-RuleId] <Int64> [<CommonParameters>  
→]
```

### 11.3 DESCRIPTION

Returns Details of a Firewall Rule of the Edge Gateway.

Note: Only User Rules can be displayed

### 11.4 EXAMPLES

#### 11.4.1 EXAMPLE 1

```
Get-NsxVcdEdgeFirewallRuleDetails -Id EdgeId -RuleId FirewallRuleId
```

#### 11.4.2 EXAMPLE 2

```
Get-NsxVcdEdge | Get-NsxVcdEdgeFirewallRuleDetails -RuleId FirewallRuleId
```

## 11.5 PARAMETERS

### 11.5.1 -Id

Id of the Edge Gateway

Note: You can list all Ids of your edges by: 'Get-NsxVcdEdge | select Name, datacenterName, Id'

```
Type: String
Parameter Sets: (All)
Aliases:

Required: True
Position: 1
Default value: None
Accept pipeline input: True (ByPropertyName, ByValue)
Accept wildcard characters: False
```

### 11.5.2 -RuleId

RuleId of the Firewall Rule

```
Type: Int64
Parameter Sets: (All)
Aliases:

Required: True
Position: 2
Default value: 0
Accept pipeline input: False
Accept wildcard characters: False
```

### 11.5.3 CommonParameters

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

## 11.6 INPUTS

## 11.7 OUTPUTS

## 11.8 NOTES

File Name : Get-NsxVcdEdgeFirewallRuleDetails.ps1 Author : Markus Kraus Version : 1.0 State : Ready

## 11.9 RELATED LINKS

<https://mycloudrevolution.com/>

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external help file: Get-NsxVcdEdgeFirewallRuleStats-help.xml Module Name: VMware-NSXvCD-Module online version: <https://mycloudrevolution.com/> schema: 2.0.0

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## Get-NsxVcdEdgeFirewallRuleStats

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### 12.1 SYNOPSIS

### 12.2 SYNTAX

```
Get-NsxVcdEdgeFirewallRuleStats [-Id] <String> [-RuleId] <Int64> [<CommonParameters>]
```

### 12.3 DESCRIPTION

Returns the Stats of the Firewall Rule of the Edge Gateway.

### 12.4 EXAMPLES

#### 12.4.1 EXAMPLE 1

```
Get-NsxVcdEdgeFirewallRuleStats -Id EdgeId -RuleId FirewallRuleId
```

#### 12.4.2 EXAMPLE 2

```
Get-NsxVcdEdge | where {$_.name -like EdgeName} | Get-NsxVcdEdgeFirewallRuleStats -  
->RuleId FirewallRuleId
```

## 12.5 PARAMETERS

### 12.5.1 -Id

Id of the Edge Gateway

Note: You can list all Ids of your edges by: 'Get-NsxVcdEdge | select Name, datacenterName, Id'

```
Type: String
Parameter Sets: (All)
Aliases:

Required: True
Position: 1
Default value: None
Accept pipeline input: True (ByPropertyName, ByValue)
Accept wildcard characters: False
```

### 12.5.2 -RuleId

RuleId of the Firewall Rule

```
Type: Int64
Parameter Sets: (All)
Aliases:

Required: True
Position: 2
Default value: 0
Accept pipeline input: False
Accept wildcard characters: False
```

### 12.5.3 CommonParameters

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

## 12.6 INPUTS

## 12.7 OUTPUTS

## 12.8 NOTES

File Name : Get-NsxVcdEdgeFirewallRuleStats.ps1 Author : Markus Kraus Version : 1.2 State : Ready

## 12.9 RELATED LINKS

<https://mycloudrevolution.com/>

---

external help file: Get-NsxVcdEdgeNatRule-help.xml Module Name: VMware-NSXvCD-Module online version:  
<https://mycloudrevolution.com/> schema: 2.0.0

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## Get-NsxVcdEdgeNatRule

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### 13.1 SYNOPSIS

### 13.2 SYNTAX

```
Get-NsxVcdEdgeNatRule [[-Id] <String>] [<CommonParameters>]
```

### 13.3 DESCRIPTION

Returns all NAT Rules of the Edge Gateway.

### 13.4 EXAMPLES

#### 13.4.1 EXAMPLE 1

```
Get-NsxVcdEdgeNatRule -Id EdgeId
```

#### 13.4.2 EXAMPLE 2

```
Get-NsxVcdEdge -OrgVdcName OrgVdcName | Get-NsxVcdEdgeNatRule | ft -AutoSize
```

## 13.5 PARAMETERS

### 13.5.1 -Id

Id of the Edge Gateway

Note: You can list all Ids of your edges by: 'Get-NsxVcdEdge | select Name, datacenterName, Id'

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: 1
Default value: None
Accept pipeline input: True (ByPropertyName, ByValue)
Accept wildcard characters: False
```

### 13.5.2 CommonParameters

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

## 13.6 INPUTS

## 13.7 OUTPUTS

## 13.8 NOTES

File Name : Get-NsxVcdEdgeNatRule.ps1 Author : Markus Kraus Version : 1.1 State : Ready

## 13.9 RELATED LINKS

<https://mycloudrevolution.com/>

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external help file: Invoke-NsxVcdApiCall-help.xml Module Name: VMware-NSXvCD-Module online version: <https://mycloudrevolution.com/> schema: 2.0.0

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## Invoke-NsxVcdApiCall

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### 14.1 SYNOPSIS

### 14.2 SYNTAX

```
Invoke-NsxVcdApiCall [[-Server] <String>] [[-Authorization] <String>] [-Uri] <String>   
↳ [[-Accept] <String>]   
[-Method] <String> [[-Body] <XmlDocument>] [<CommonParameters>]
```

### 14.3 DESCRIPTION

Helper Function to call the vCloud Director API.

### 14.4 EXAMPLES

#### 14.4.1 EXAMPLE 1

```
Invoke-NsxVcdApiCall -Uri "/network/edges/$Id/nat/config" -Method "Get"
```

### 14.5 PARAMETERS

#### 14.5.1 -Server

FQDN of the vCloud Director Instance

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: 1
Default value: $Global:ApiConnection.Server
Accept pipeline input: False
Accept wildcard characters: False
```

## 14.5.2 -Authorization

### API Authorization String

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: 2
Default value: $Global:ApiConnection.Authorization
Accept pipeline input: False
Accept wildcard characters: False
```

## 14.5.3 -Uri

### API Uri

```
Type: String
Parameter Sets: (All)
Aliases:

Required: True
Position: 3
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## 14.5.4 -Accept

### Accept Header for the API Call

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: 4
Default value: Application/*+xml
Accept pipeline input: False
Accept wildcard characters: False
```

## 14.5.5 -Method

### Method of the API Call

```
Type: String
Parameter Sets: (All)
Aliases:

Required: True
Position: 5
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## 14.5.6 -Body

### Body of the API Call

```
Type: XmlDocument
Parameter Sets: (All)
Aliases:

Required: False
Position: 6
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## 14.5.7 CommonParameters

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

## 14.6 INPUTS

## 14.7 OUTPUTS

## 14.8 NOTES

File Name : Invoke-NsxVcdApiCall.ps1 Author : Markus Kraus Version : 1.1 State : Ready

## 14.9 RELATED LINKS

<https://mycloudrevolution.com/>

external help file: New-NsxVcdApiConnection-help.xml Module Name: VMware-NSXvCD-Module online version:  
<https://mycloudrevolution.com/> schema: 2.0.0

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## New-NsxVcdApiConnection

---

### 15.1 SYNOPSIS

### 15.2 SYNTAX

```
New-NsxVcdApiConnection [-Server] <String> [-Credential] <PSCredential> [  
↪<CommonParameters>]
```

### 15.3 DESCRIPTION

Connects to the API of your vCloud Director instance. The Session is saved for further use.

### 15.4 EXAMPLES

#### 15.4.1 EXAMPLE 1

```
New-NsxVcdApiConnection -Server ServerFQDN -Credential $Credential
```

### 15.5 PARAMETERS

#### 15.5.1 -Server

FQDN of the vCloud Director Instance

```
Type: String
Parameter Sets: (All)
Aliases:

Required: True
Position: 1
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## 15.5.2 -Credential

API Credentials for the vCloud Director Instance

Note: Username needs to be: <User>@<Org> (Administratator@system)

```
Type: PSCredential
Parameter Sets: (All)
Aliases:

Required: True
Position: 2
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## 15.5.3 CommonParameters

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

## 15.6 INPUTS

## 15.7 OUTPUTS

## 15.8 NOTES

File Name : New-NsxVcdApiConnection.ps1 Author : Markus Kraus Version : 1.2 State : Ready

## 15.9 RELATED LINKS

<https://mycloudrevolution.com/>

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external help file: Remove-NsxVcdDfwSecurityTagVM-help.xml Module Name: VMware-NSXvCD-Module online version: <https://mycloudrevolution.com/> schema: 2.0.0

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## Remove-NsxVcdDfwSecurityTagVM

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### 16.1 SYNOPSIS

### 16.2 SYNTAX

```
Remove-NsxVcdDfwSecurityTagVM [-SecurityTagId] <String> [[-VmId] <String>] [  
→<CommonParameters>]
```

### 16.3 DESCRIPTION

Remove a VM to a Security Tag of the OrgVdc DFW.

### 16.4 EXAMPLES

#### 16.4.1 EXAMPLE 1

```
Remove-NsxVcdDfwSecurityTagVMs -SecurityTagId SecurityTagId -VmId
```

### 16.5 PARAMETERS

#### 16.5.1 -SecurityTagId

Id (objectId) of the Security Tag

```
Type: String
Parameter Sets: (All)
Aliases: objectId

Required: True
Position: 1
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

## 16.5.2 -VmId

Id (UUID) of the VM

```
Type: String
Parameter Sets: (All)
Aliases:

Required: False
Position: 2
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## 16.5.3 CommonParameters

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

## 16.6 INPUTS

## 16.7 OUTPUTS

## 16.8 NOTES

File Name : Remove-NsxVcdDfwSecurityTagVM.ps1 Author : Markus Kraus Version : 1.0 State : Ready

## 16.9 RELATED LINKS

<https://mycloudrevolution.com/>