



Almadar Cloud Portal User Guide

Guide No.	0011
Name	National ID access for Tenants through ALMADAR WAN Connectivity.
Version	V1
Date	30-Aug-2022

Copyright © Almadar Aljadid. 2022. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Almadar Aljadid.

Notice

The purchased products, services and features are stipulated by the contract made between Almadar Aljadid and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Almadar Aljadid

Address: City sport Gurji

Website: <https://www.almadar.ly>

Email: cloudsupport@almadar.ly

Phone: 0919190544

Version History:

Date	Ver.	Author	Description	Approved by
30-Aug-2021	1.0	Mohamed Swaih	Initial Release	Emhmed Mselkhi

Introduction:

This document is a guide on how to give a VM an access to National ID through ALMADAR WAN Connectivity.

Note 1: This guide may not be suitable for Tenants who has access to NID through Internet (VPN S2S). in other words, not for Tenants who is not contracted or requested NID Access though ALMADAR WAN.

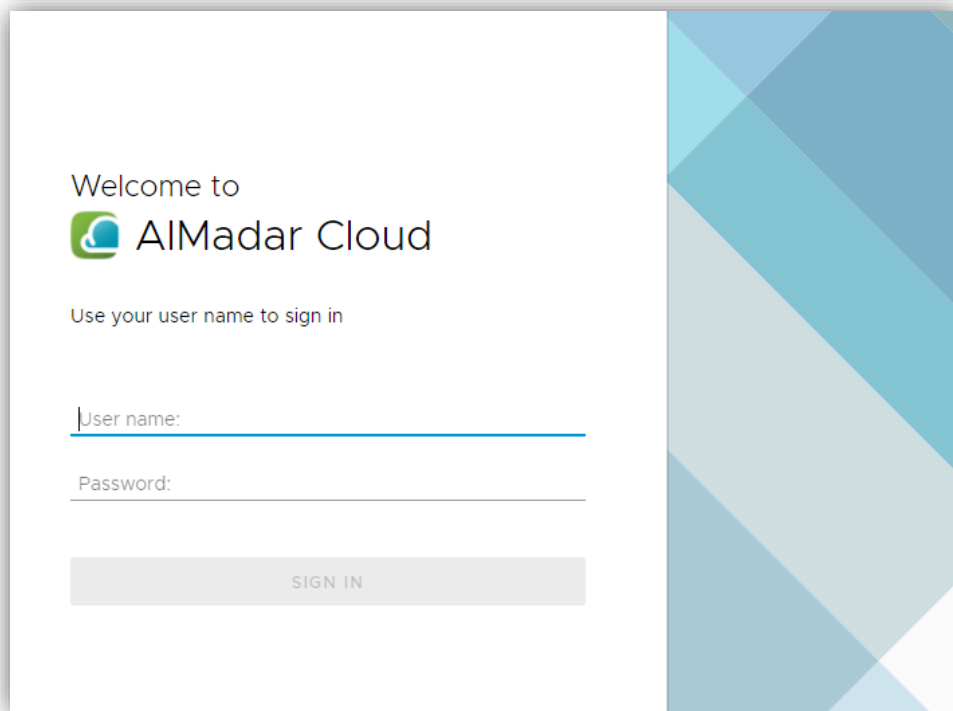
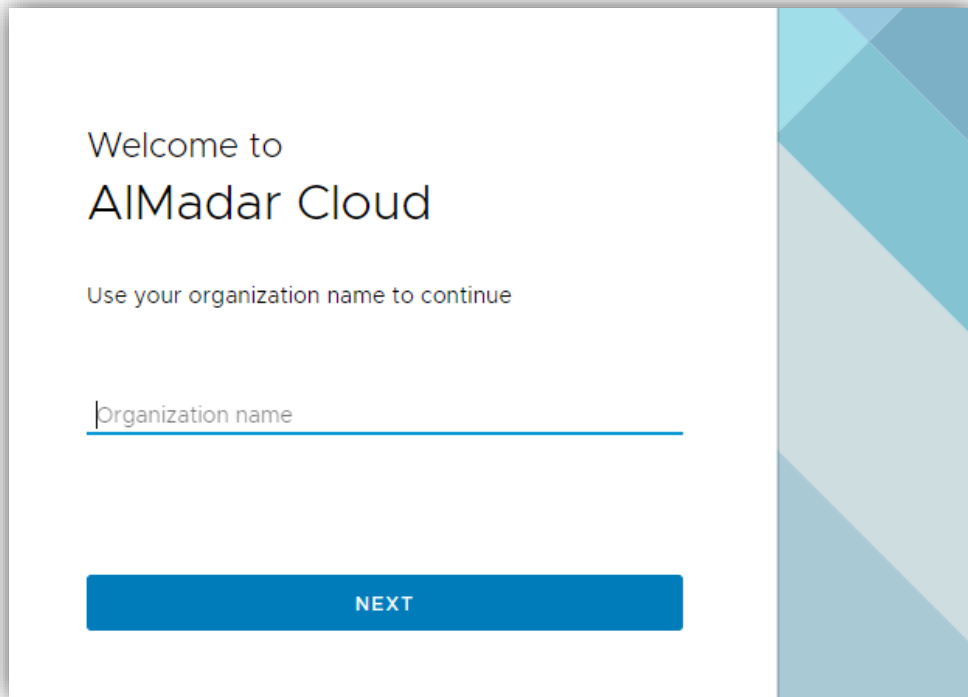
Note 2: This Guide assumes that the Tenant owner has an approval from NID Authority in advance. Please contact NID Authority.

Note 3: This Guide assumes that the prerequisites already configured by ALMADAR Team. Please contact ALMADAR Support for more information.

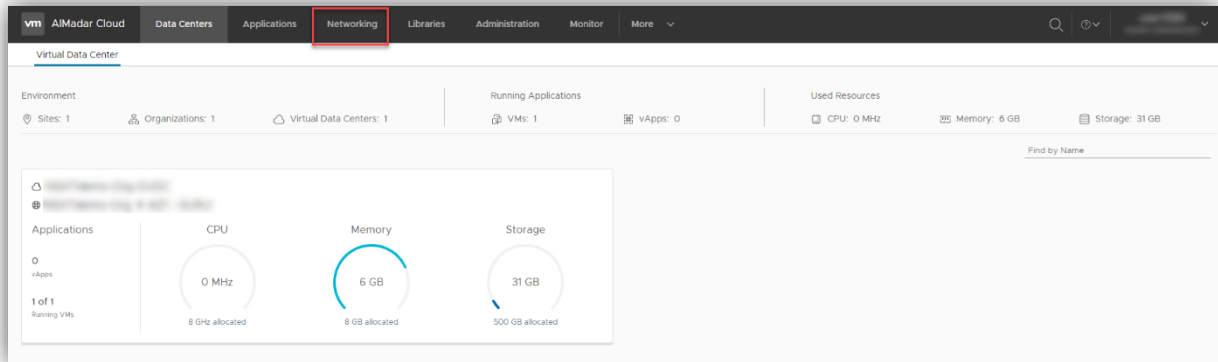
Contents

1.Access to Almadar Cloud Portal with the login details that been provided by Almadar Team.....	4
2.Click on OvDC	5
3.To allow vm to access National ID IP you need to do:	5
3.1 Create ip set with the VM IP.....	5
3.2 Create Edge firewall rule to allow the VM IP to access the internet.	8
3.3 Create SNAT rule to translate the internal (private IP) VM ip to the public ip of the edge.....	11
3.4 Connectivity test.	13
3.5 If you have distributed firewall feature as part of your tenant contract, then you need to allow the VM IP to reach the internet in the distributed firewall in addition to previous steps by following below steps.	14

1. Access to Almadar Cloud Portal with the login details that been provided by Almadar Team.



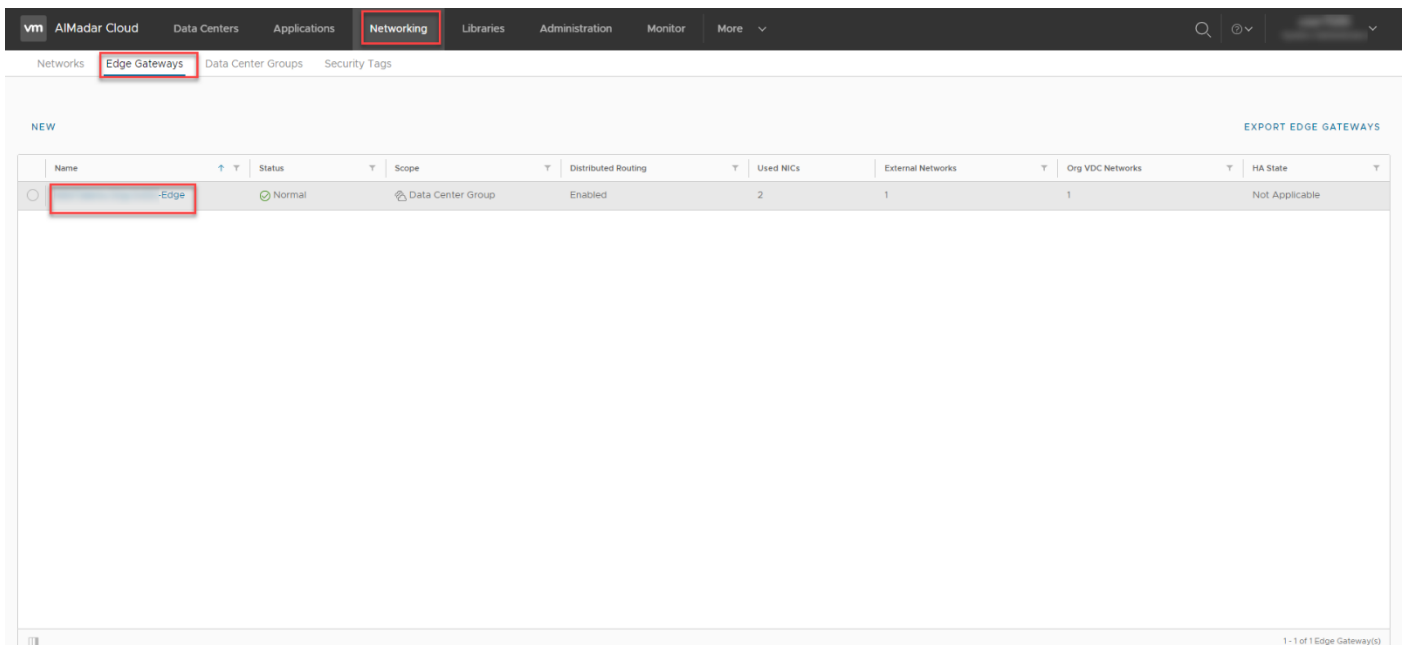
2. Click on OvDC

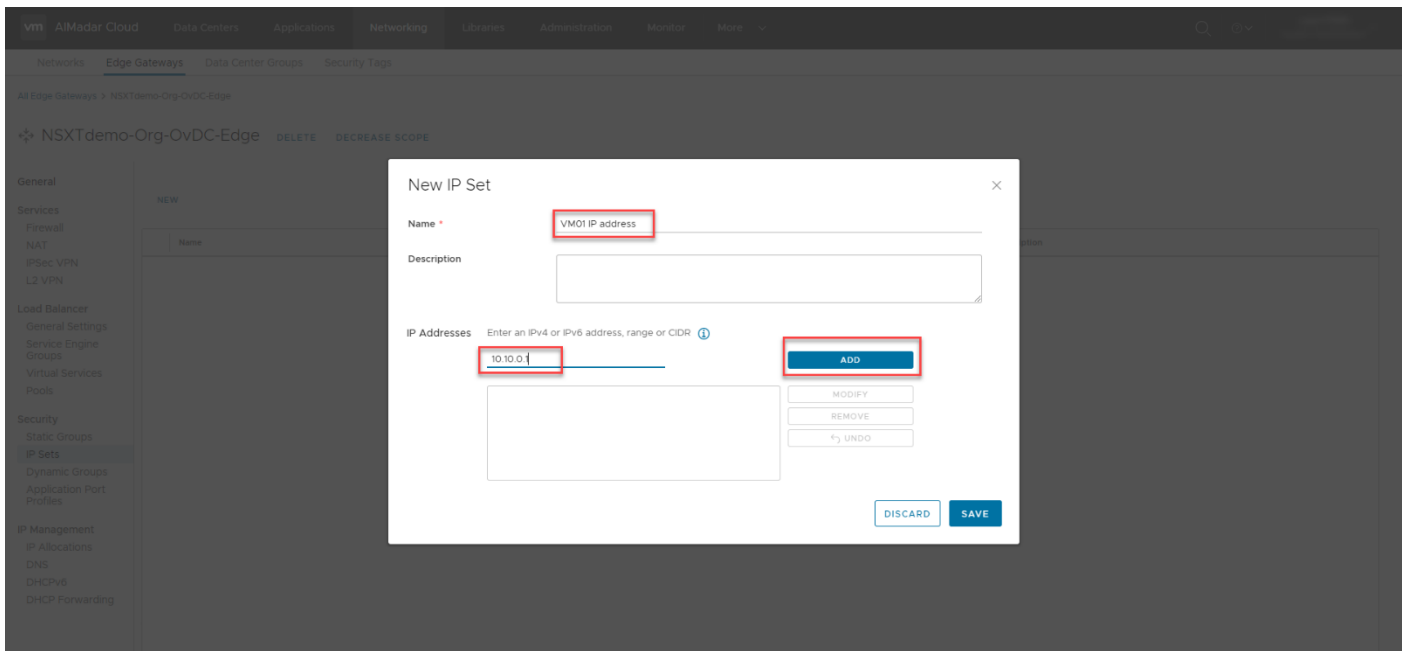
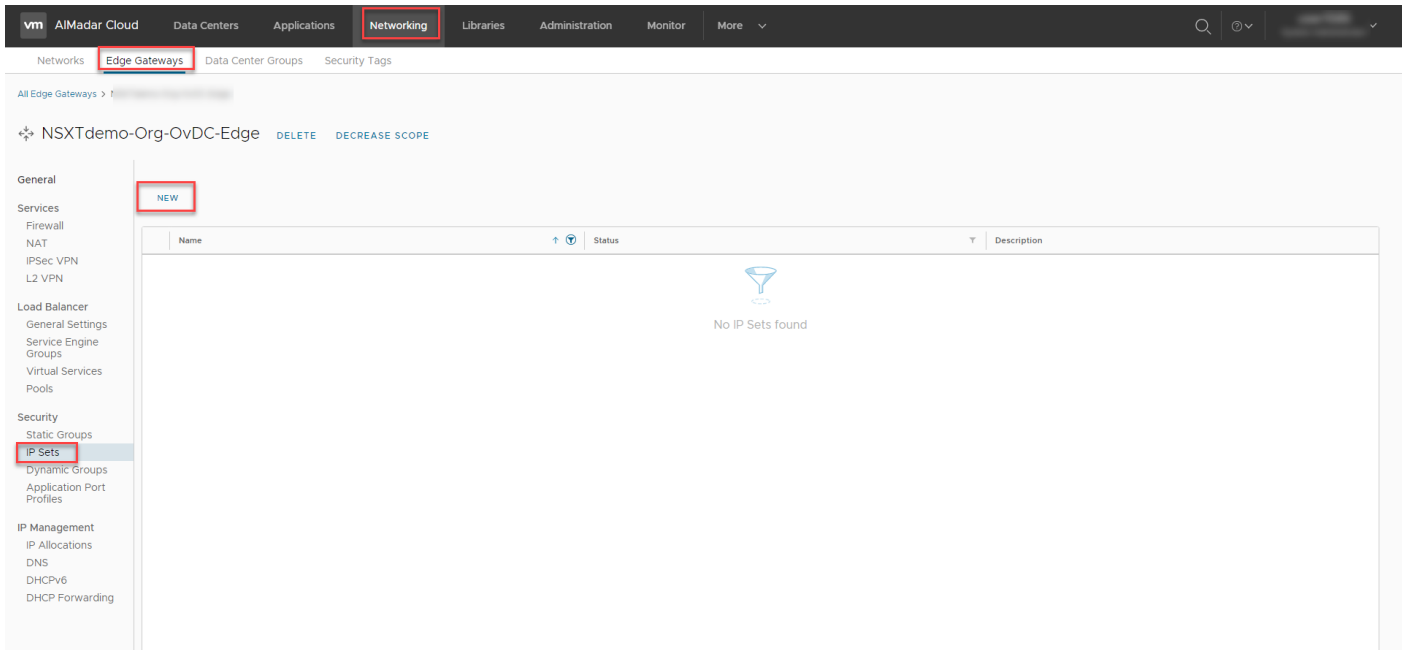


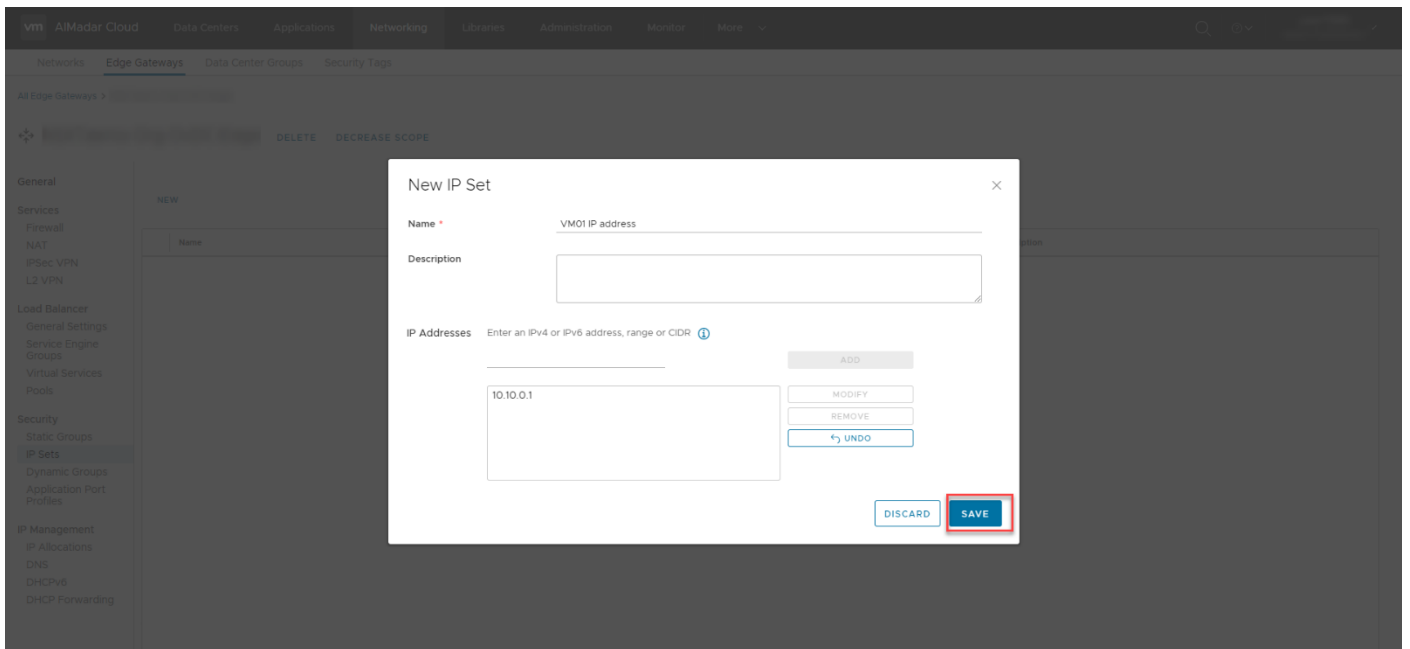
3. To allow vm to access National ID IP you need to do:

- Create ip set with the VM IP.
- Create Edge firewall rule to allow the VM IP to access the internet OR specify the National ID IP as destination.
- Create SNAT rule to translate the internal (private IP) VM IP to the public ip of the edge.
- If you have distributed firewall feature as part of your tenant contract:
 - Create distributed firewall rule to allow the VM IP to access the internet National ID IP.

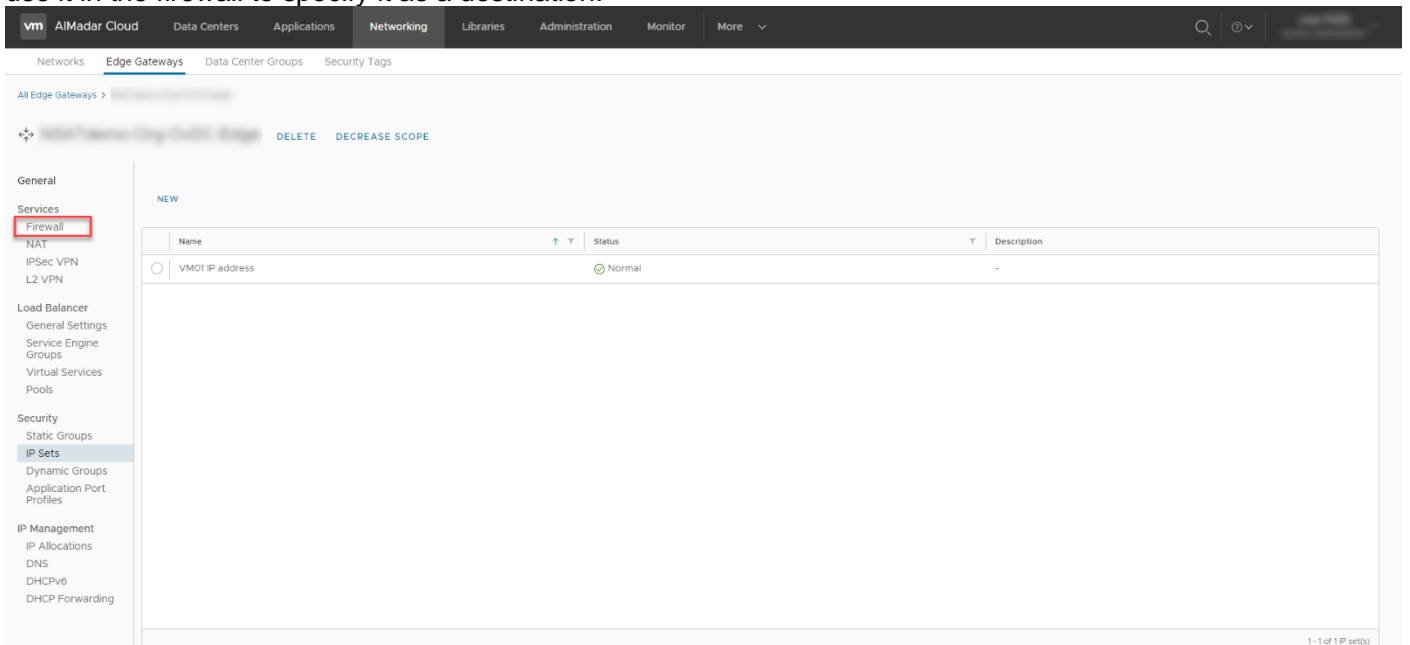
3.1 Create IP set with the VM IP.



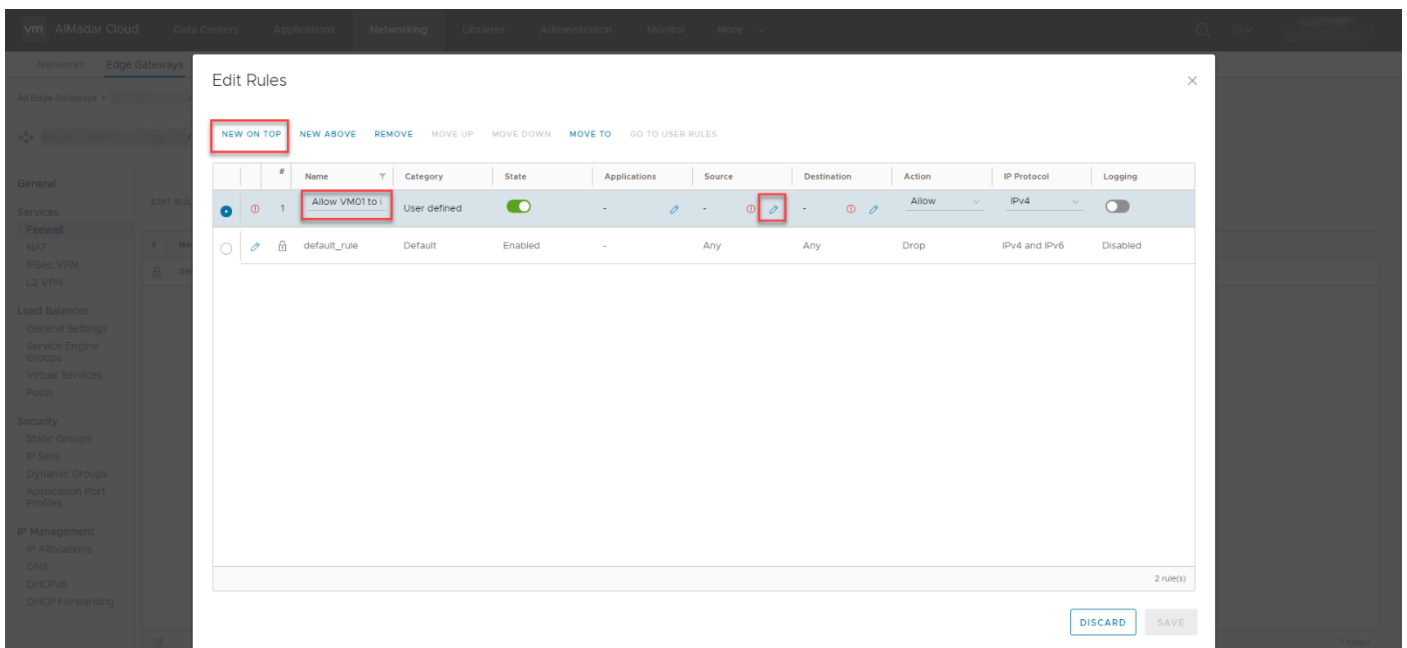
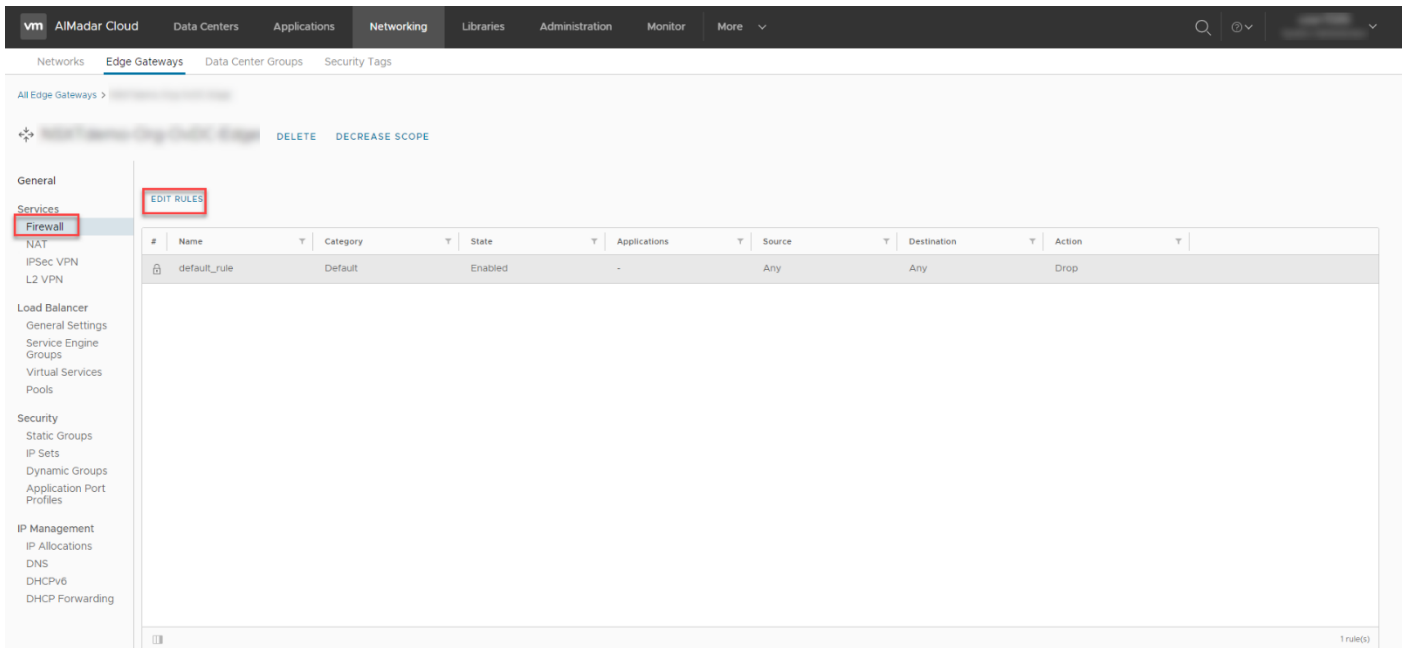


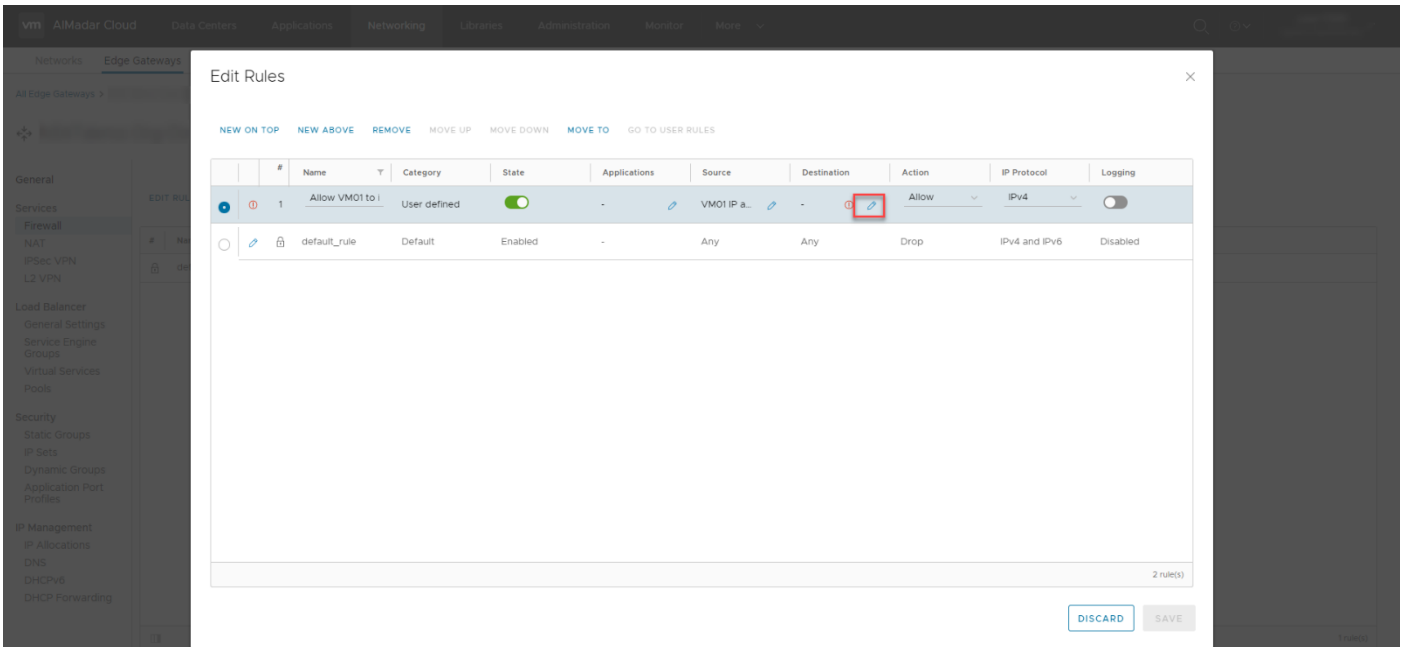
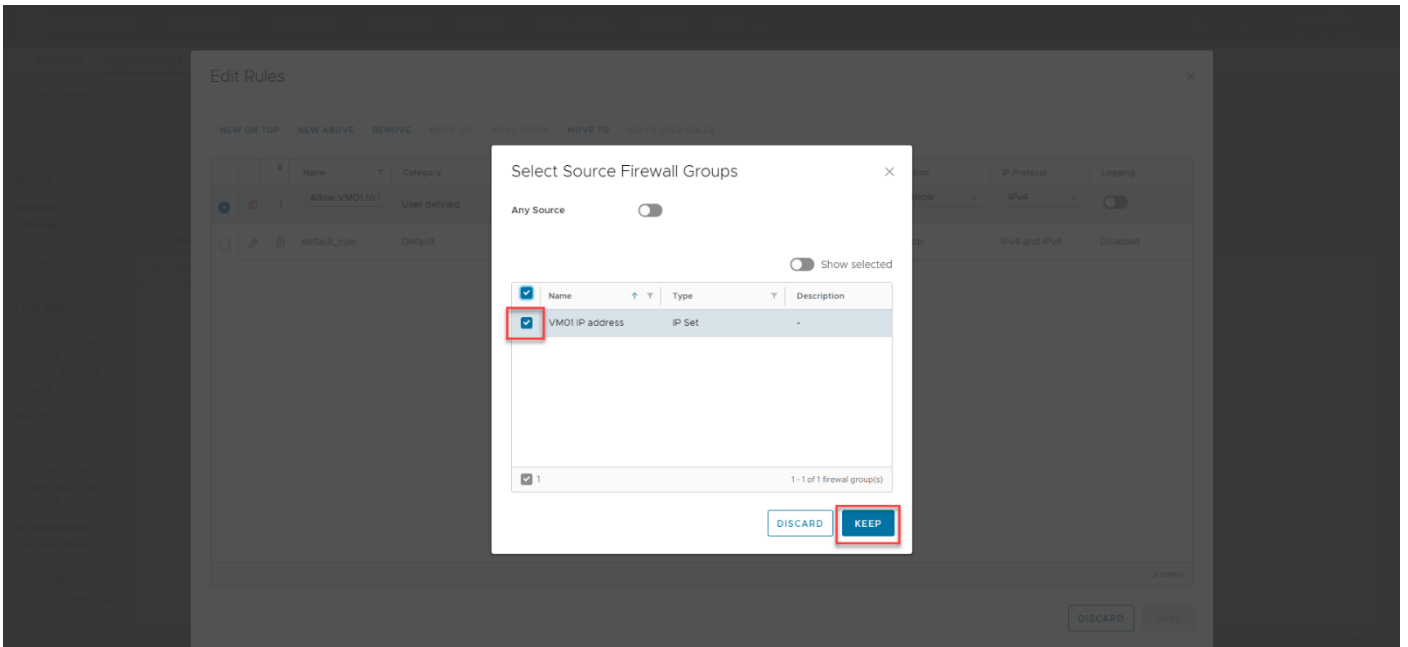


Note: You can follow above steps to add another IP set for National ID IP address (100.100.10.10) so you can use it in the firewall to specify it as a destination.

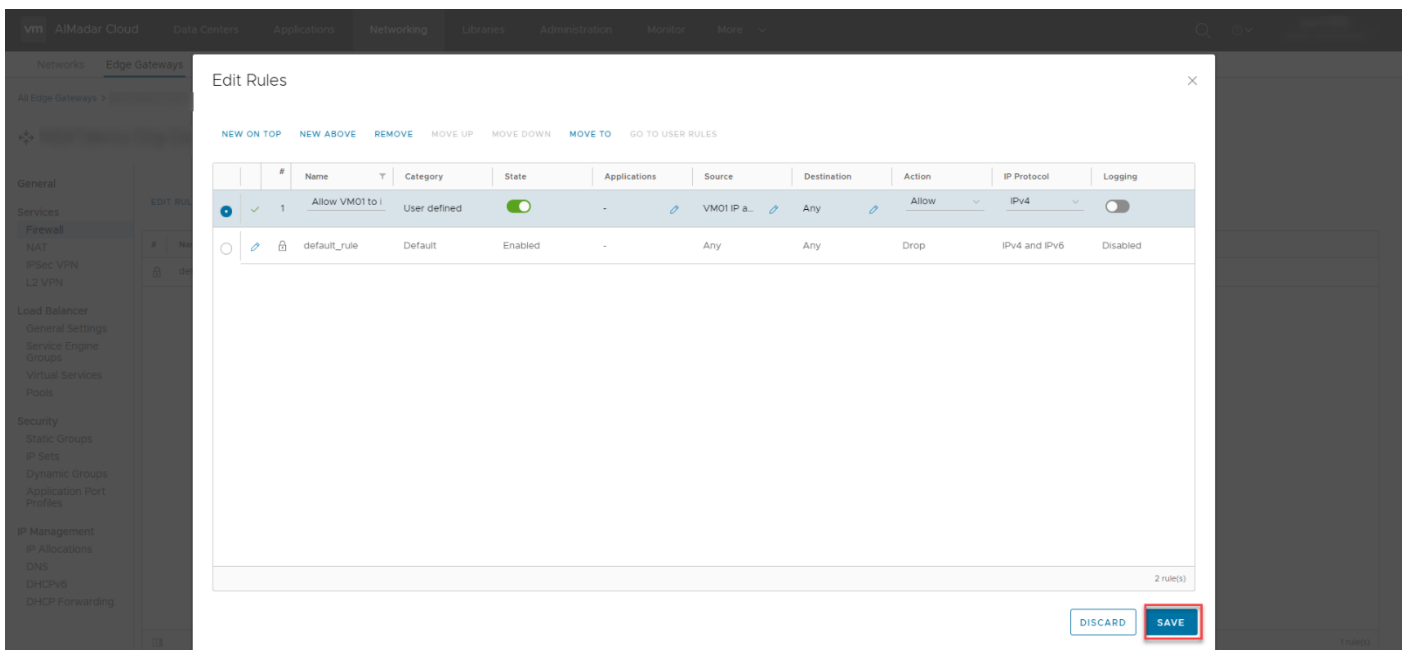
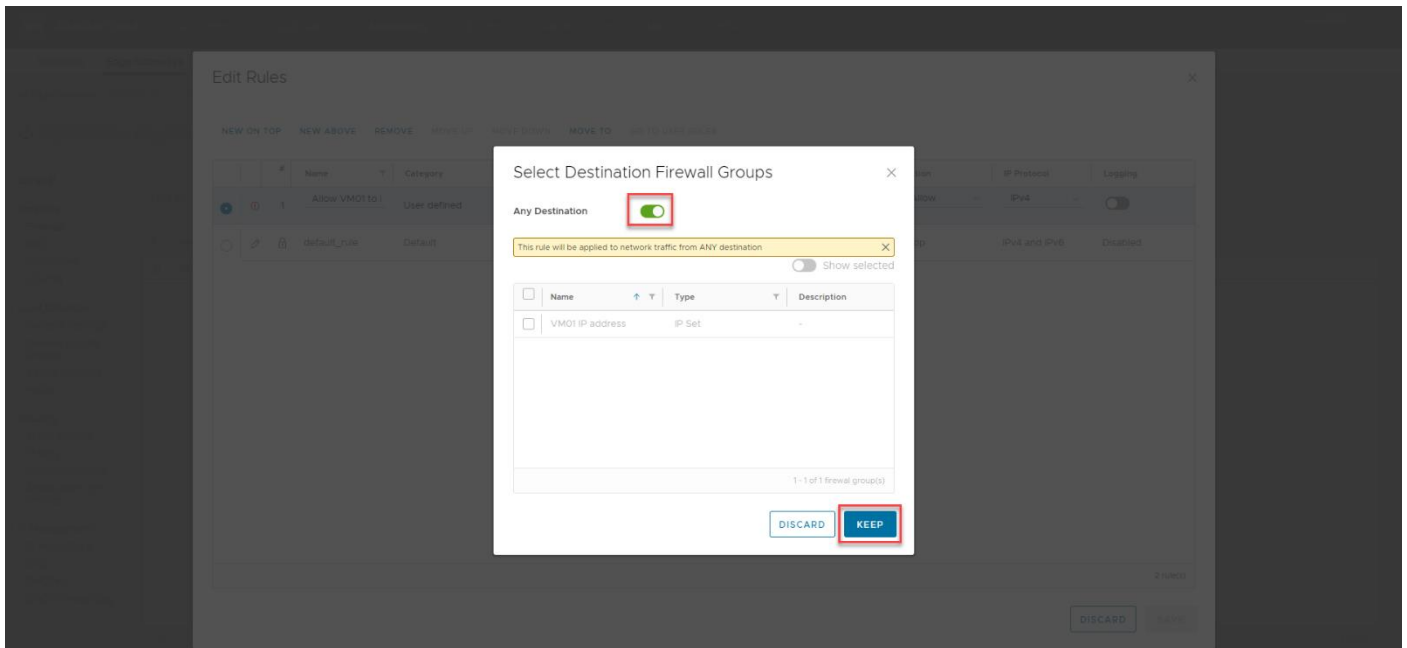


3.2 Create Edge firewall rule to allow the VM IP to access the internet.





Note: If you had created an IP set for National ID IP address (100.100.10.10) in step 3.1 you can select it here in the firewall or you can use Any as a destination to allow the VM to reach the internet.



vm AlMadar Cloud Data Centers Applications **Networking** Libraries Administration Monitor More

Networks **Edge Gateways** Data Center Groups Security Tags

All Edge Gateways > **Edge Gateway** DELETE DECREASE SCOPE

General

Services

NAT

IPSec VPN

L2 VPN

Load Balancer

General Settings

Service Engine Groups

Virtual Services

Pools

Security

Static Groups

IP Sets

Dynamic Groups

Application Port Profiles

IP Management

IP Allocations

DNS

DHCPv6

DHCP Forwarding

EDIT RULES

#	Name	Category	State	Applications	Source	Destination	Action
1	Allow VM01 to internet	User defined	Enabled	-	VM01 IP address	Any	Allow
	default_rule	Default	Enabled	-	Any	Any	Drop

2 rule(s)

3.3 Create SNAT rule to translate the internal (private IP) VM ip to the public ip of the edge.

vm AlMadar Cloud Data Centers Applications **Networking** Libraries Administration Monitor More

Networks **Edge Gateways** Data Center Groups Security Tags

All Edge Gateways > **Edge Gateway** DELETE DECREASE SCOPE

General

Services

NAT

IPSec VPN

L2 VPN

Load Balancer

General Settings

Service Engine Groups

Virtual Services

Pools

Security

Static Groups

IP Sets

Dynamic Groups

Application Port Profiles

IP Management


IP Allocations

DNS

DHCPv6

DHCP Forwarding

NEW

Name	Category	State	Type	External IP	Application	Internal IP	External Port	Destination IP	Logging
 No NAT Rules Found									

Edit NAT Rule

Name: Allow VM01 to internet

Description:

Interface Type: SNAT

External IP: 156.x.x.x
Translated IP or CIDR

Internal IP: 10.10.0.1
Source IP or CIDR

Destination IP:

Advanced Settings:

- State:
- Logging:
- Priority: 0
- Firewall Match: Match Internal Address

Buttons: DISCARD, SAVE

Annotations:

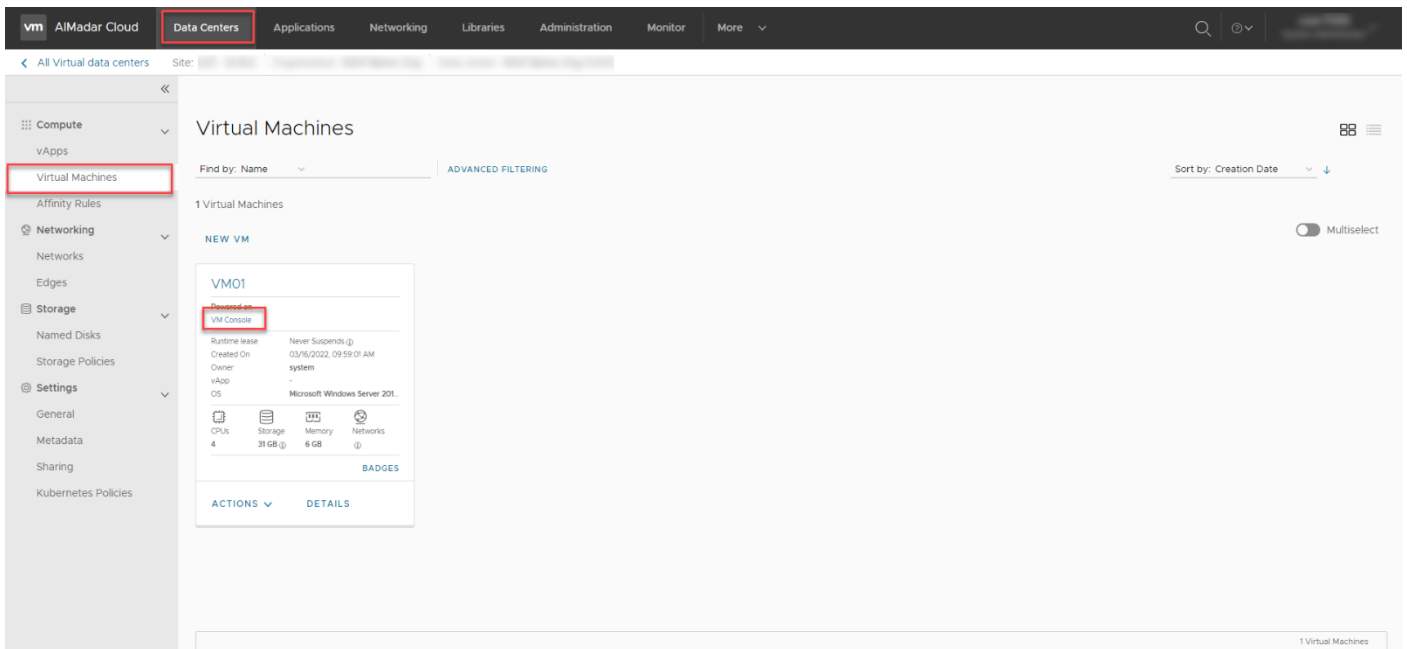
- Enter public Ip assigned to the Edge
- Enter the internal Ip assigned to the vm that need Internet access
- click on this icon to check the public Ip assigned to the Edge

Edge Gateways

NEW

Name	Category	State	Type	External IP	Application	Internal IP	External Port	Destination IP	Logging
Allow VM01 to internet	User defined	Enabled	SNAT	156.x.x.x	-	10.10.0.1	Any	-	Disabled

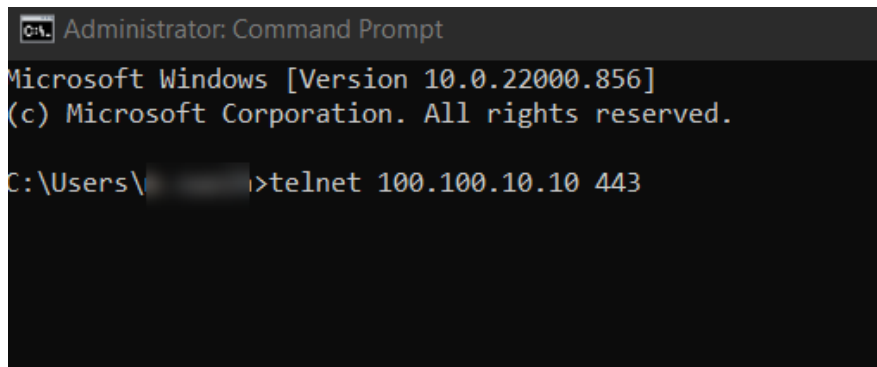
1 - 1 of 1 rules



3.4 Connectivity test.

To test the connectivity use telnet command to check the open port HTTPs (443) on the National ID IP 100.100.10.10. If the port is open that means connectivity is done correctly, if not recheck the configuration.

Note: ping doesn't work on National ID IP.



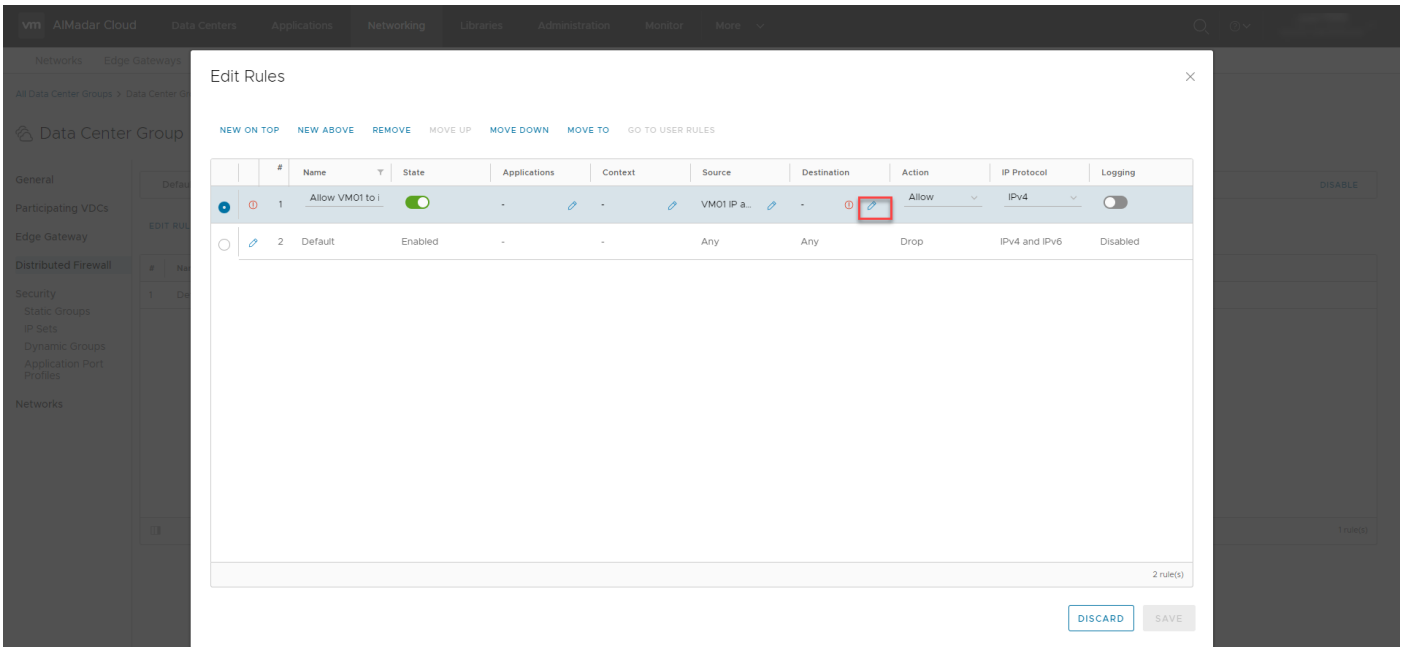
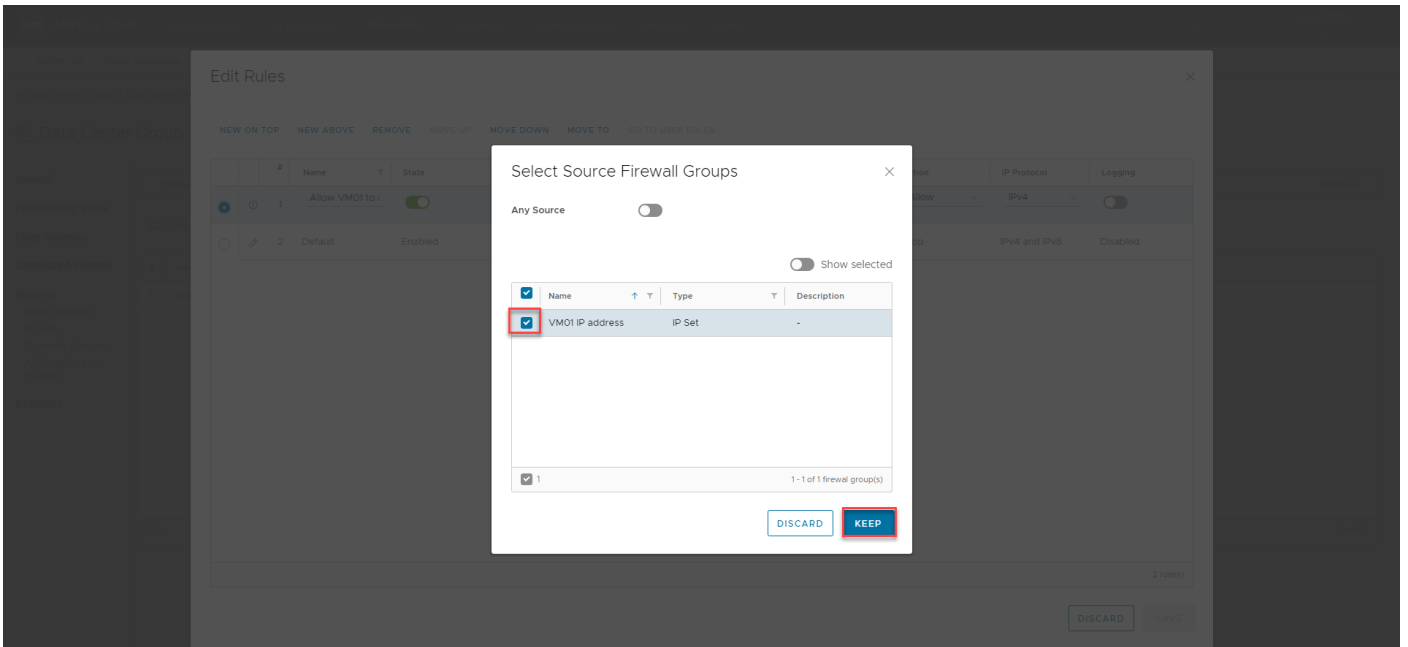
3.5 If you have distributed firewall feature as part of your tenant contract, then you need to allow the VM IP to reach the internet in the distributed firewall in addition to previous steps by following below steps.

The screenshot shows the VMware Almadar Cloud interface. The 'Networking' menu is highlighted. The 'Data Center Groups' section is selected, and the 'Distributed Firewall' option is highlighted in the left sidebar. The main panel displays the 'Data Center Group' configuration, including 'Default Policy Status' (Enabled) and a table of 'EDIT RULES'.

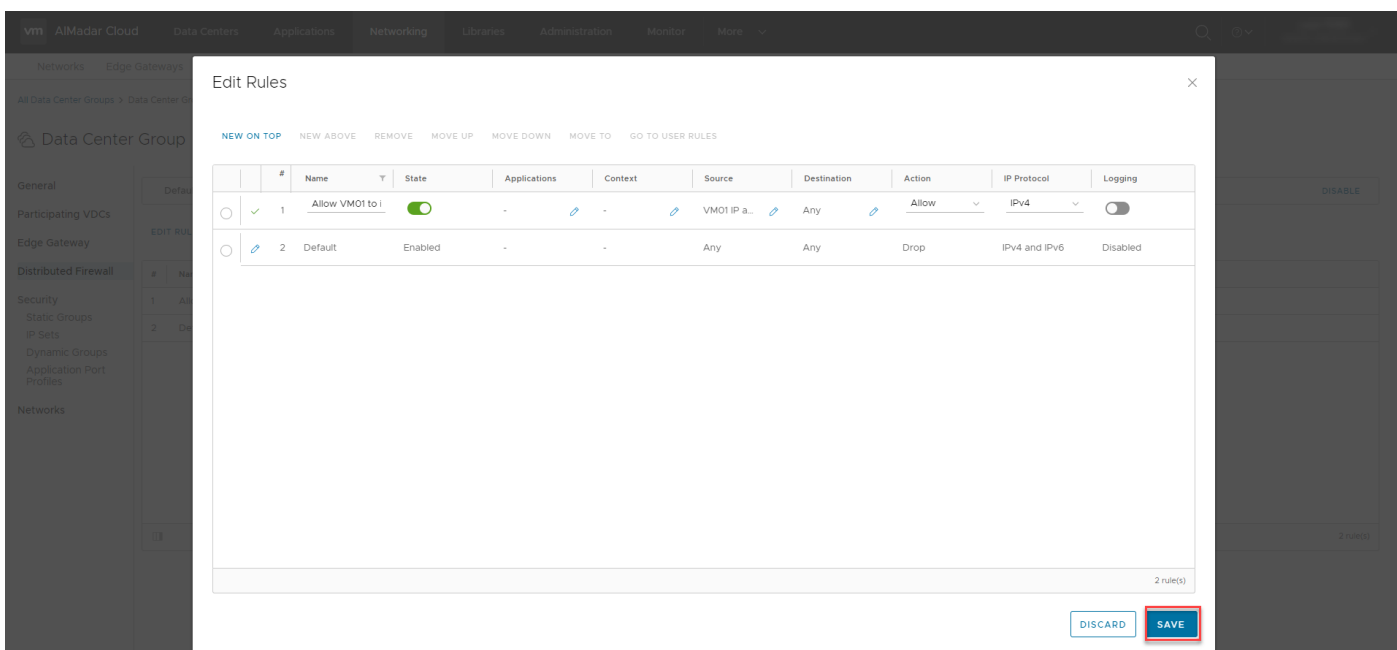
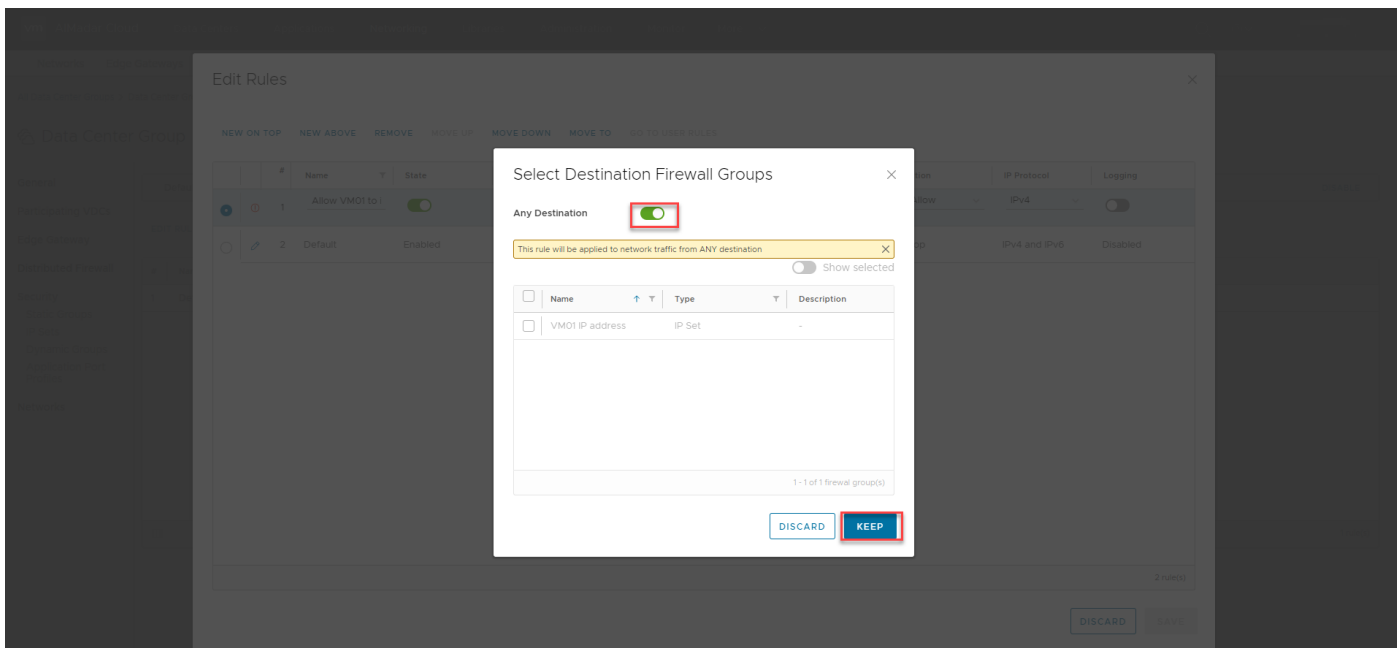
#	Name	State	Applications	Context	Source	Destination	Action
1	Default	Enabled	-	-	Any	Any	Drop

The screenshot shows the 'Edit Rules' dialog box. The 'NEW ON TOP' button is highlighted. The table below shows two rules, with the first rule 'Allow VM01 to I' highlighted.

#	Name	State	Applications	Context	Source	Destination	Action	IP Protocol	Logging
1	Allow VM01 to I	<input checked="" type="checkbox"/>	-	-	-	-	Allow	IPv4	<input type="checkbox"/>
2	Default	Enabled	-	-	Any	Any	Drop	IPv4 and IPv6	Disabled



Note: If you had created an IP set for National ID IP address (100.100.10.10) in step 3.1 you can select it here in the firewall or you can use Any as a destination to allow the VM to reach the internet.



All Data Center Groups > Data Center Group

Data Center Group SYNC DELETE

General Default Policy Status Enabled DISABLE

Participating VDCs

Edge Gateway

Distributed Firewall

Security
Static Groups
IP Sets
Dynamic Groups
Application Port Profiles

Networks

EDIT RULES

#	Name	State	Applications	Context	Source	Destination	Action
1	Allow VM01 to internet	Enabled	-	-	VM01 IP address	Any	Allow
2	Default	Enabled	-	-	Any	Any	Drop

2 rule(s)