



## Almadar Cloud Portal User Guide

<b>Guide No.</b>	0005
<b>Name</b>	VM Connectivity to internet
<b>Version</b>	V1.1
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<b>03-Mar-2022</b>	1.1	Mohamed Swaih	Updated Release to reflect NSX-T changes	Emhmed Mselkhi

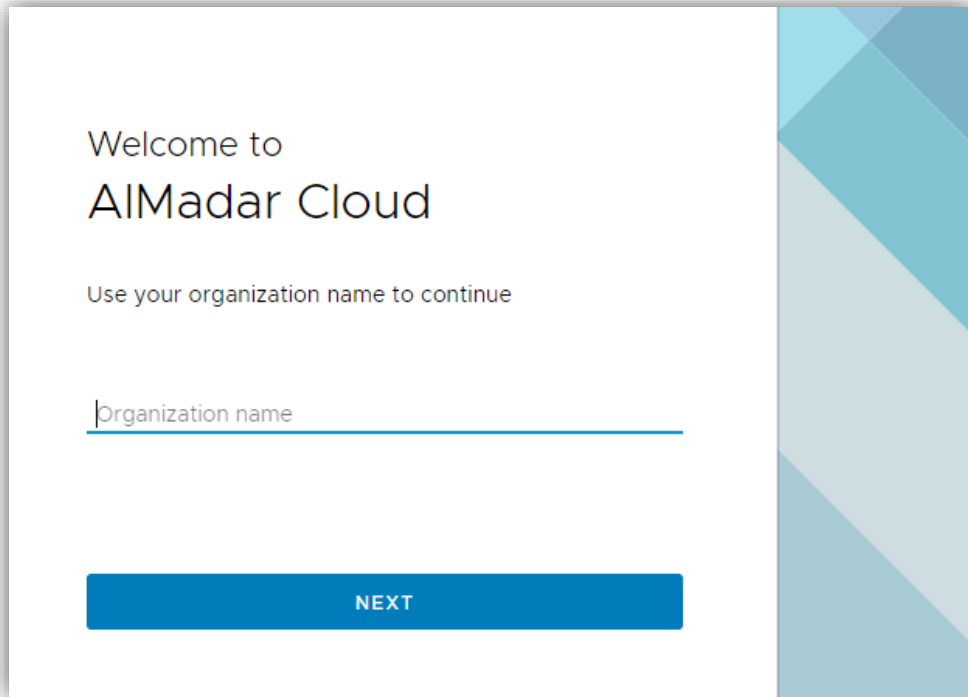
## Introduction:

This document is a guide on how to give a VM an internet access.

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

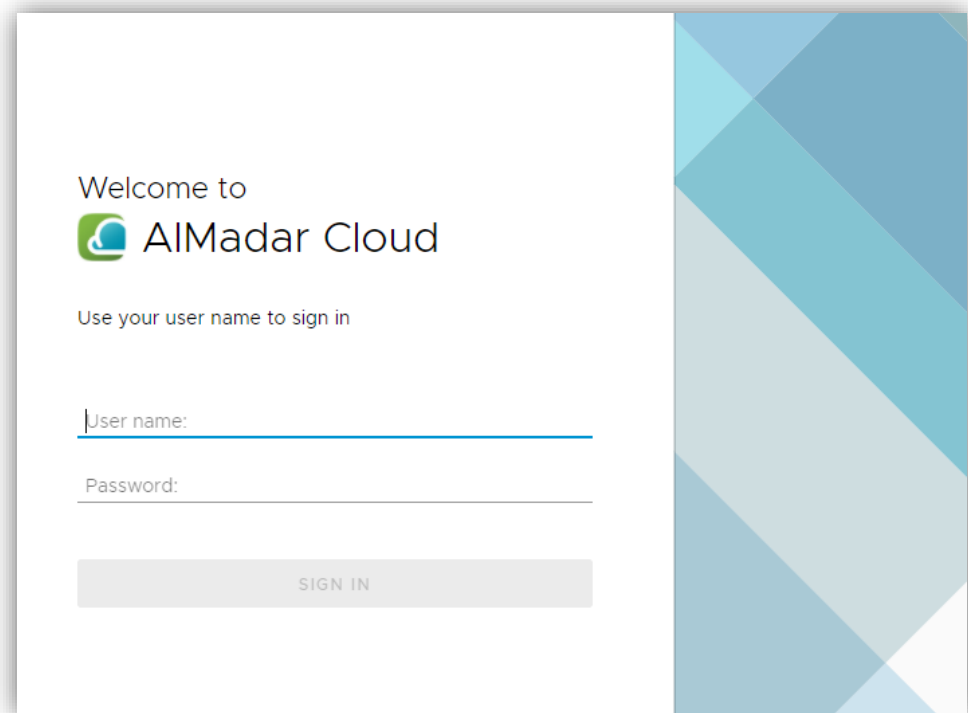



Welcome to  
**AlMadar Cloud**

Use your organization name to continue

**NEXT**

This screenshot shows the organization selection screen of the Almadar Cloud portal. It features a white background with a blue geometric pattern on the right side. The text 'Welcome to AlMadar Cloud' is displayed in a sans-serif font. Below this, the instruction 'Use your organization name to continue' is shown. A text input field with a blue underline contains the placeholder text 'Organization name'. At the bottom, there is a blue button with the text 'NEXT' in white capital letters.



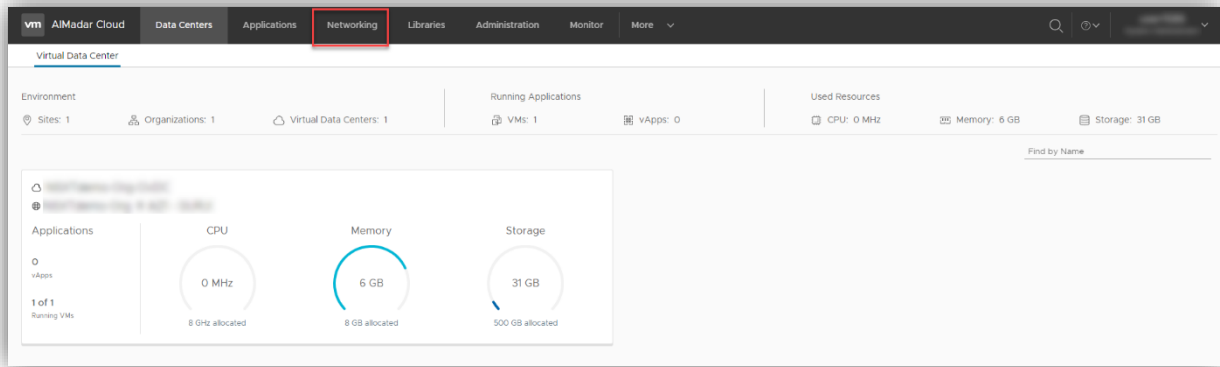
Welcome to  
 **AlMadar Cloud**

Use your user name to sign in

**SIGN IN**

This screenshot shows the user sign-in screen of the Almadar Cloud portal. It features a white background with a blue geometric pattern on the right side. The text 'Welcome to AlMadar Cloud' is displayed, with the Almadar Cloud logo (a green and blue circular icon) to the left of the text. Below this, the instruction 'Use your user name to sign in' is shown. There are two text input fields: the first is labeled 'User name:' and the second is labeled 'Password:'. At the bottom, there is a grey button with the text 'SIGN IN' in blue capital letters.

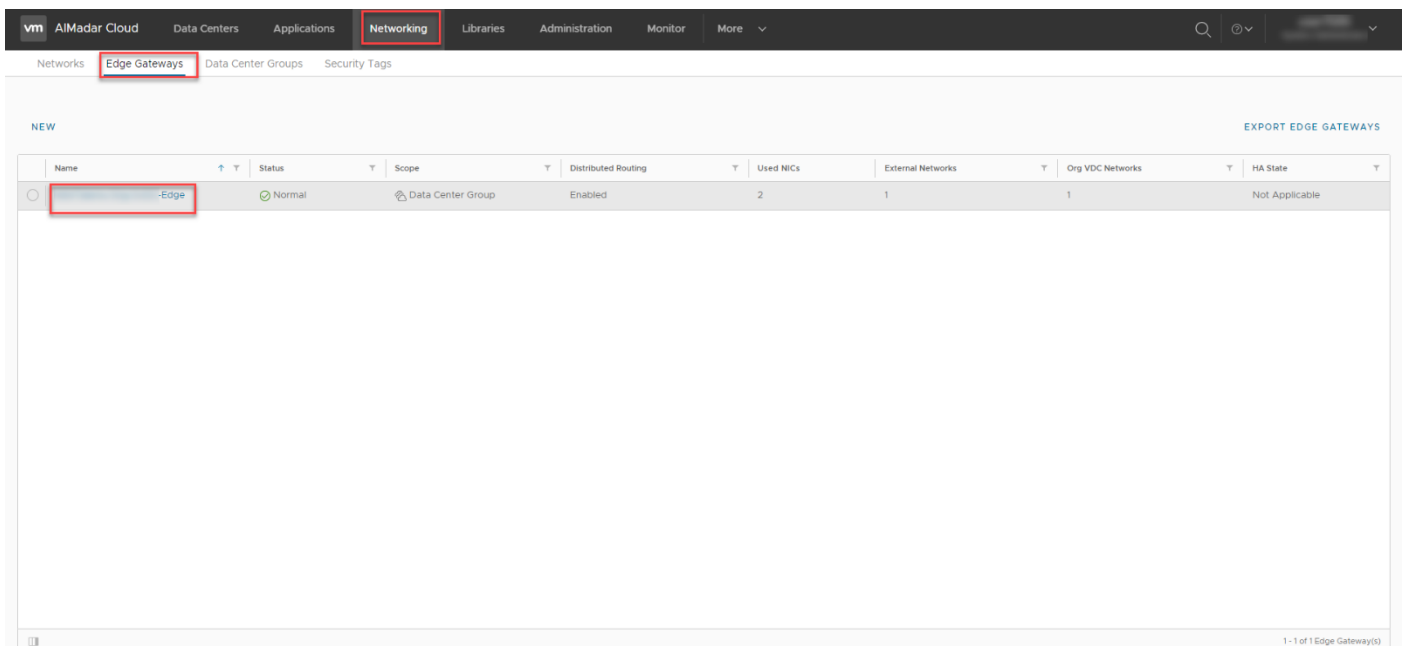
## 2. Click on OvDC

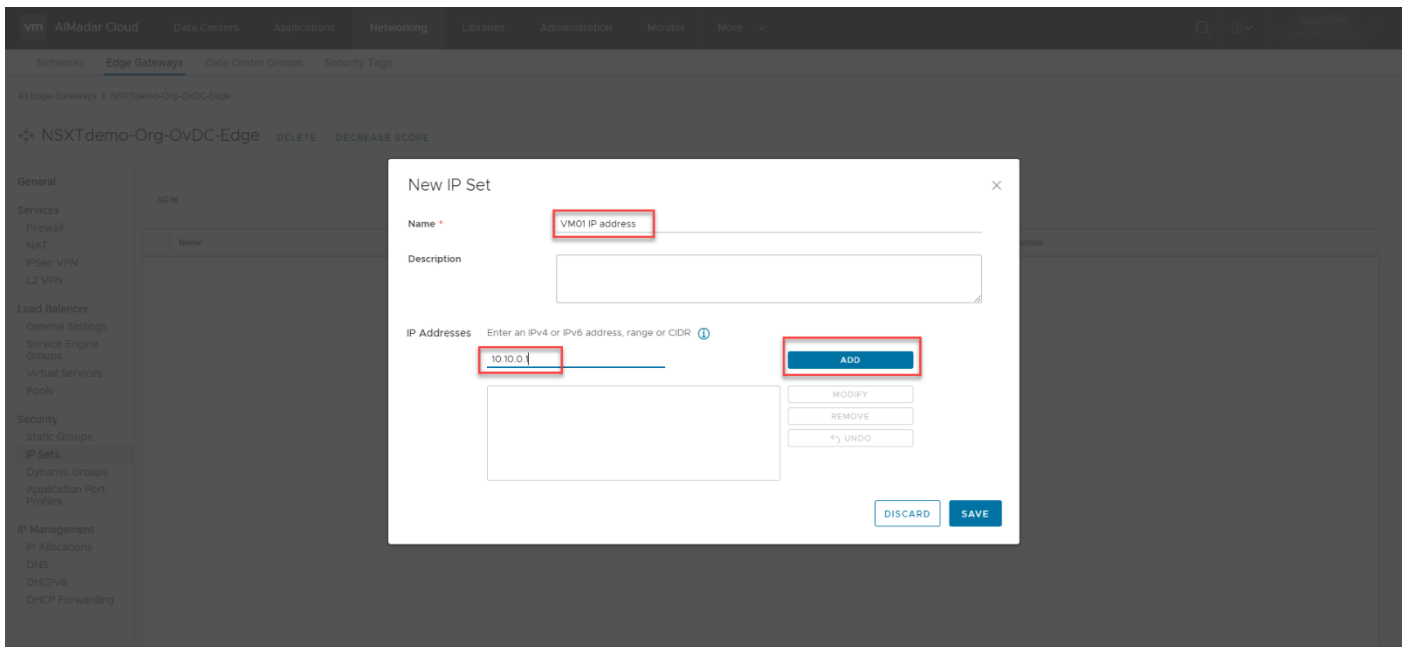
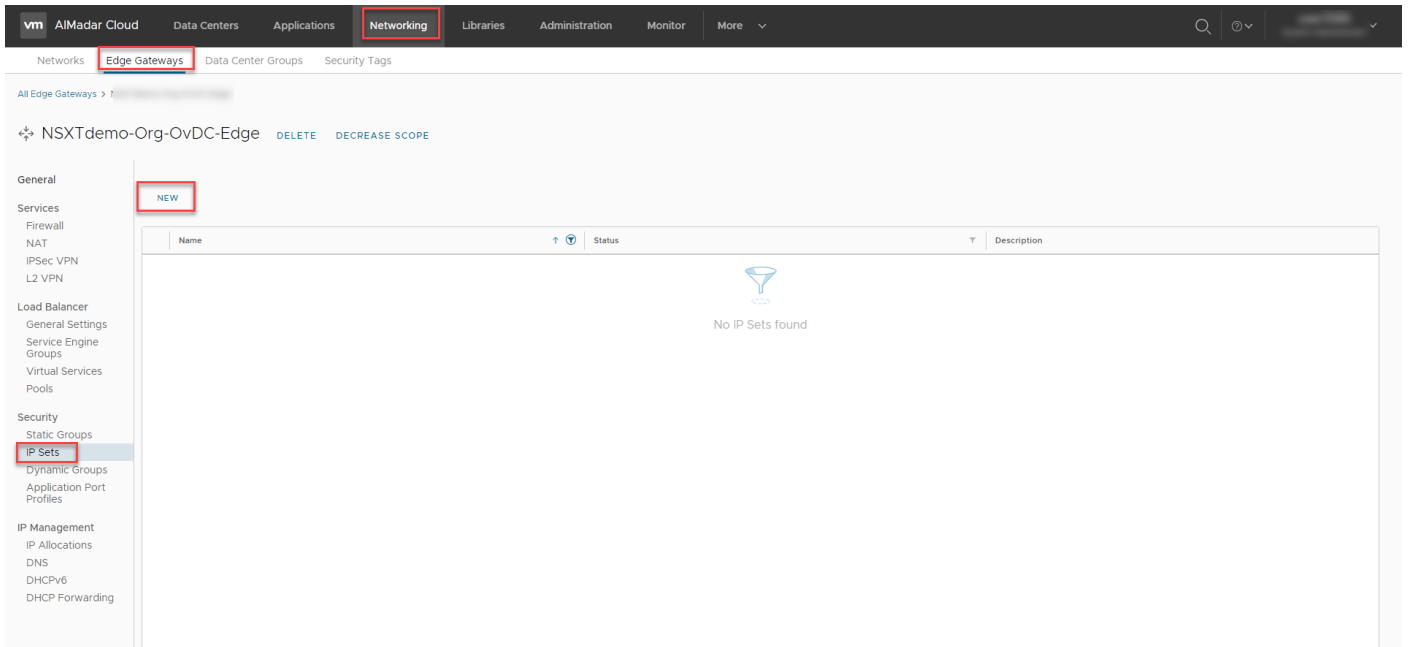


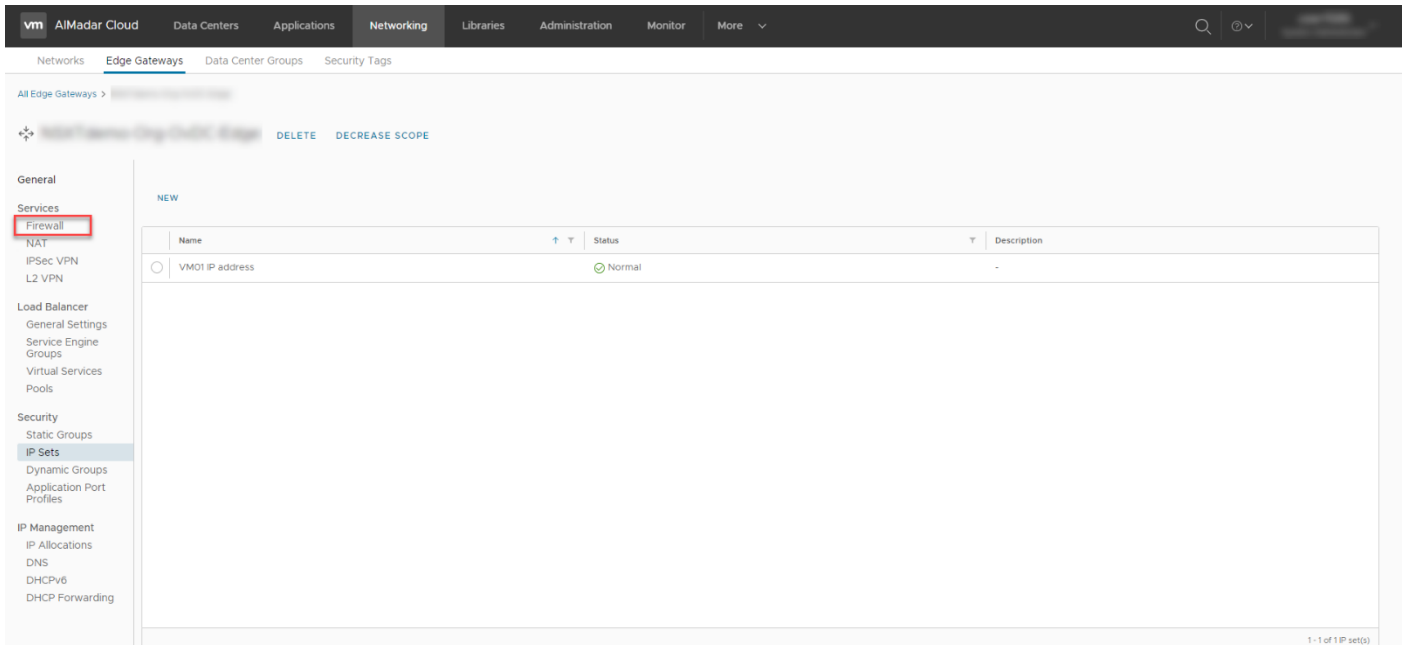
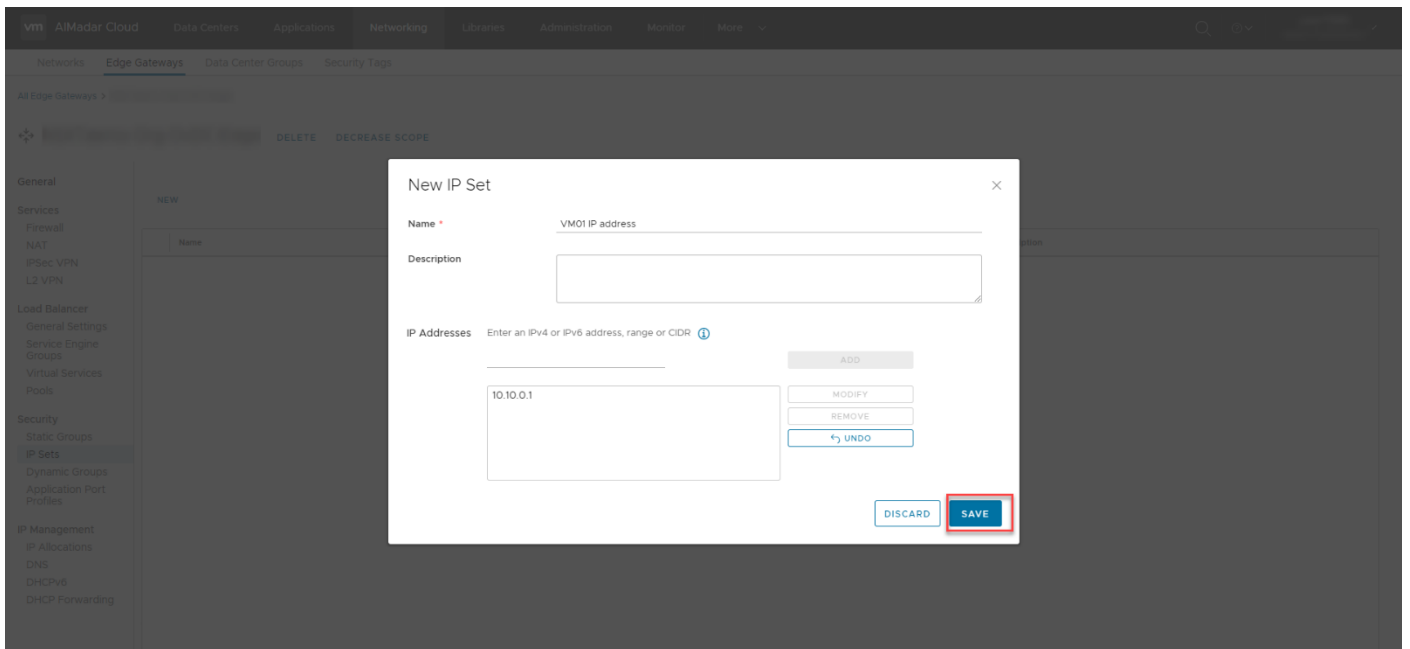
## 3. To allow vm to access internet you need to do:

- Create ip set with the VM IP.
- Create Edge firewall rule to allow the VM IP to access the internet.
- 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.

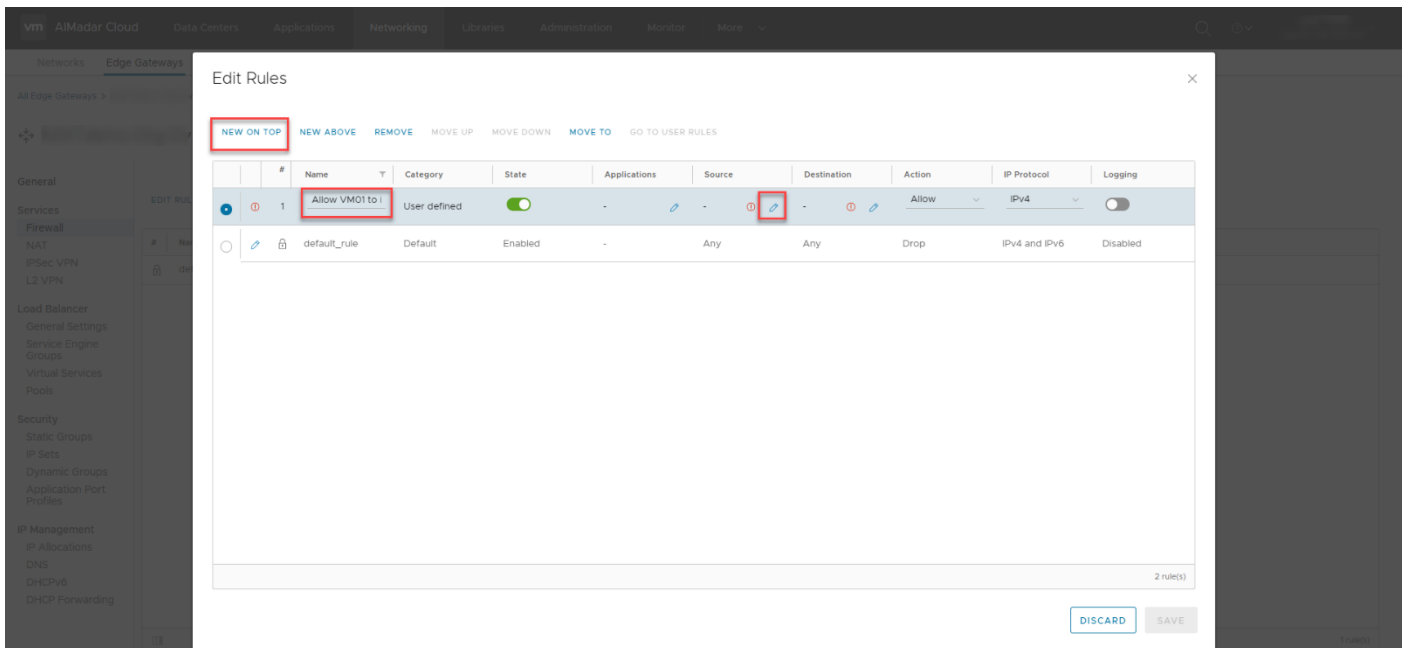
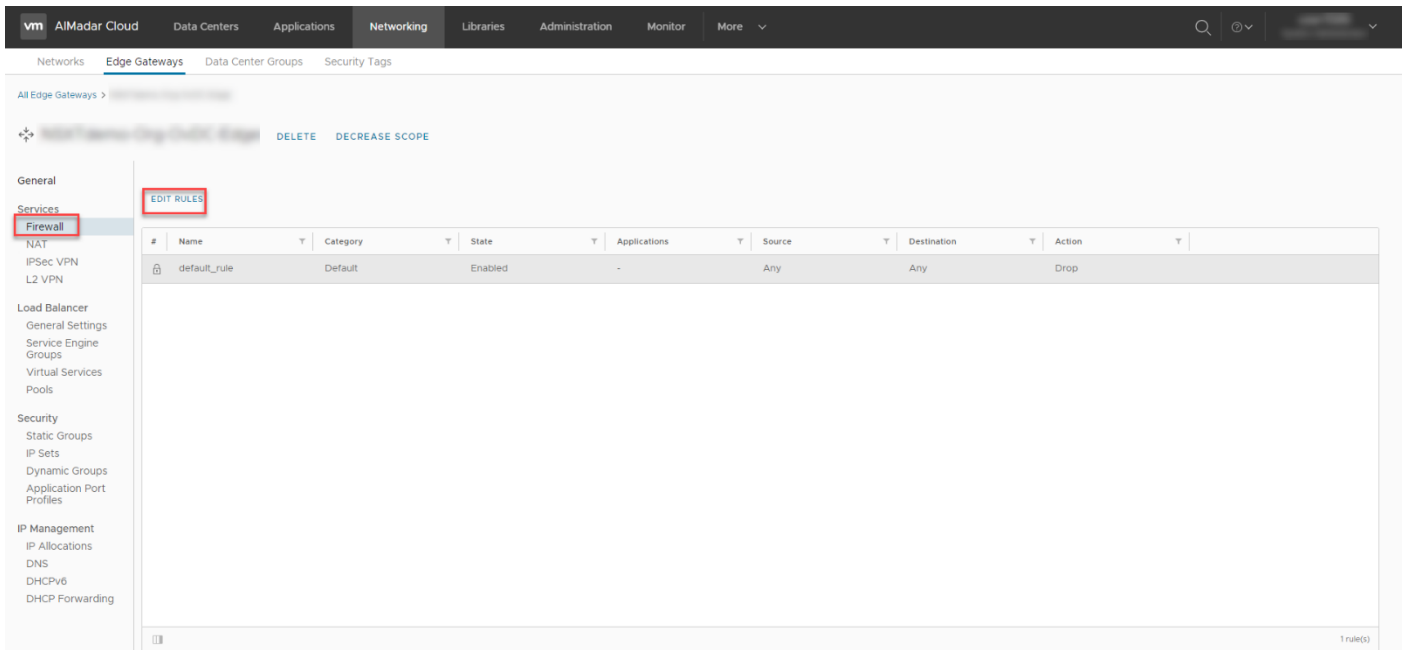
### 3.1 Create ip set with the VM IP.

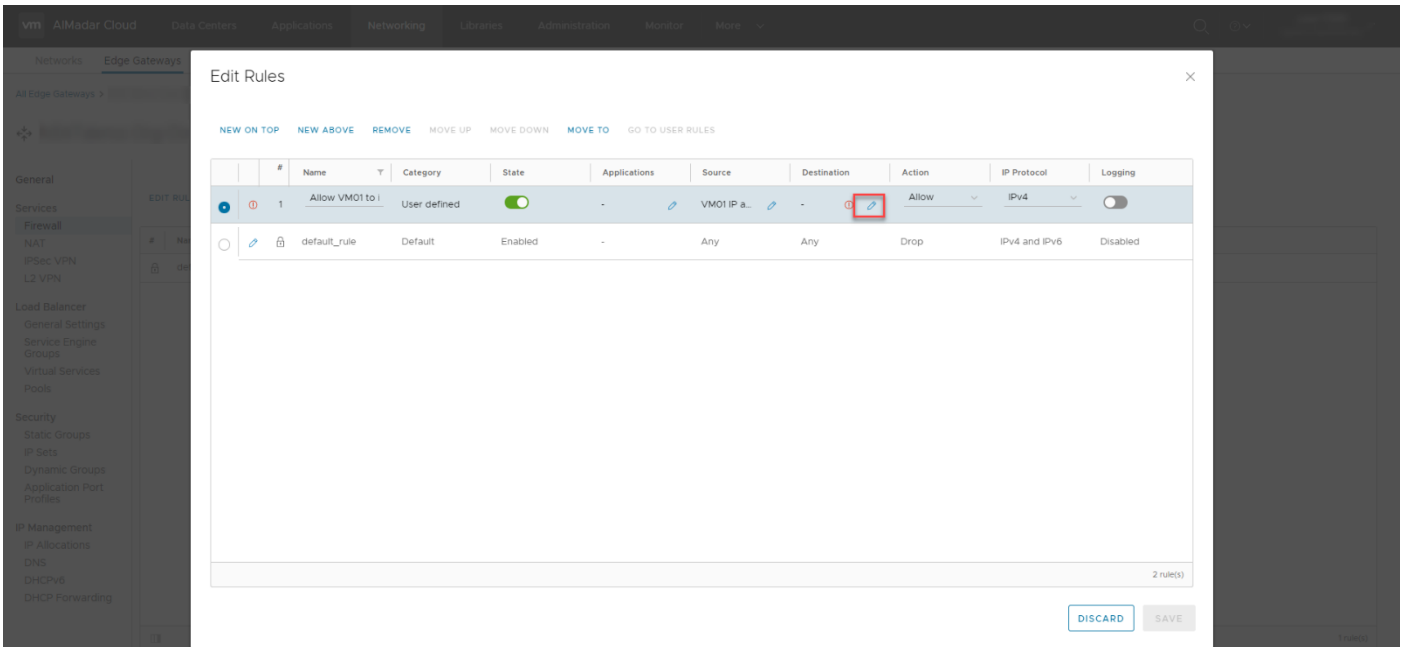
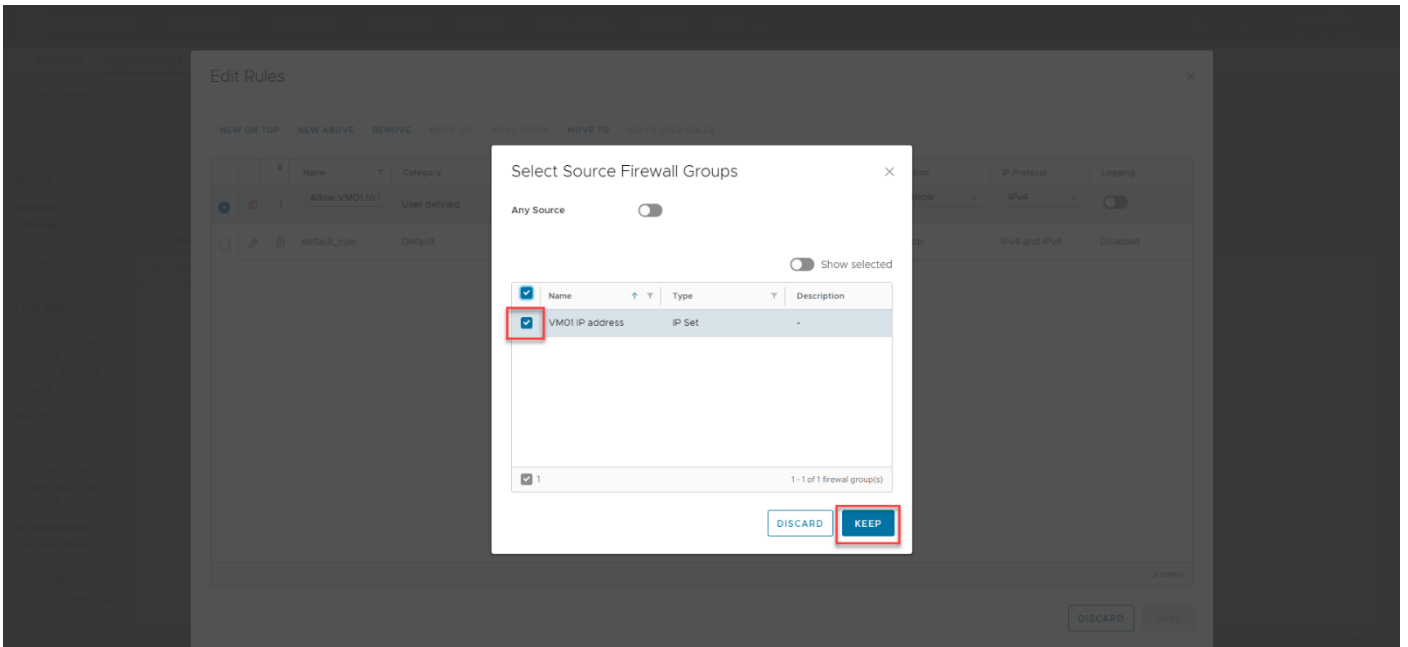


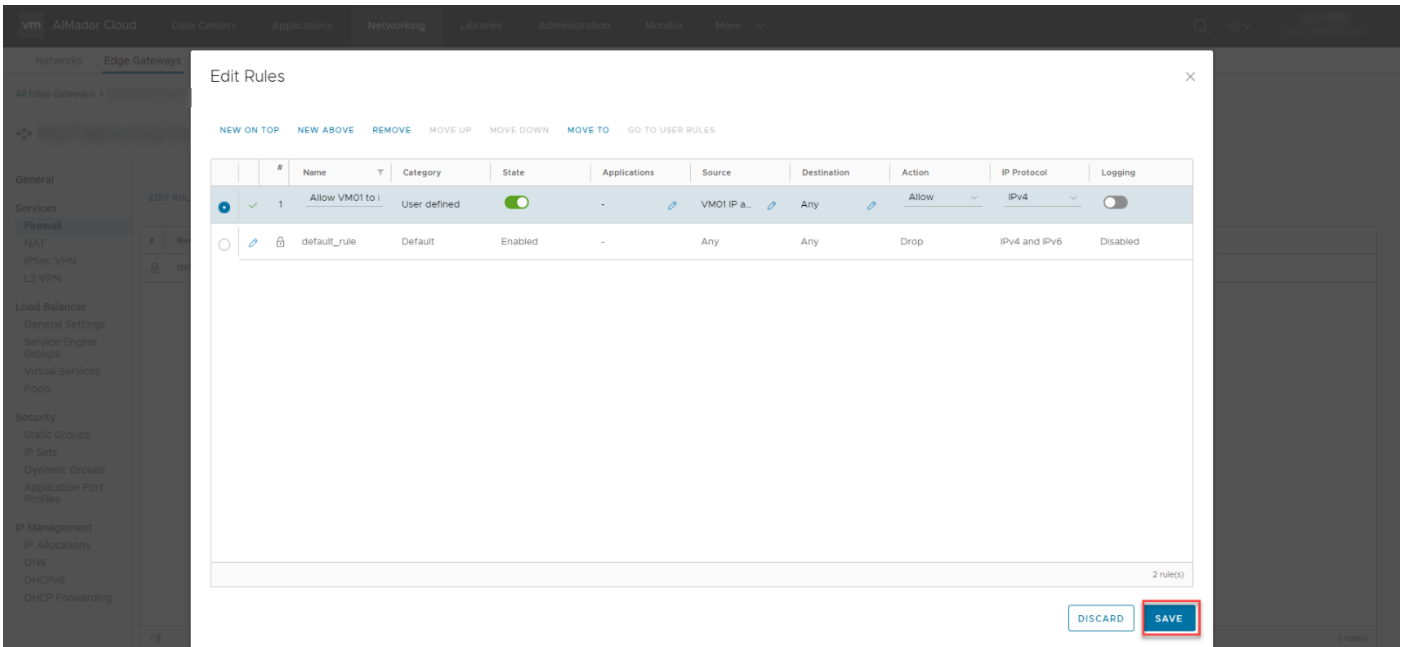
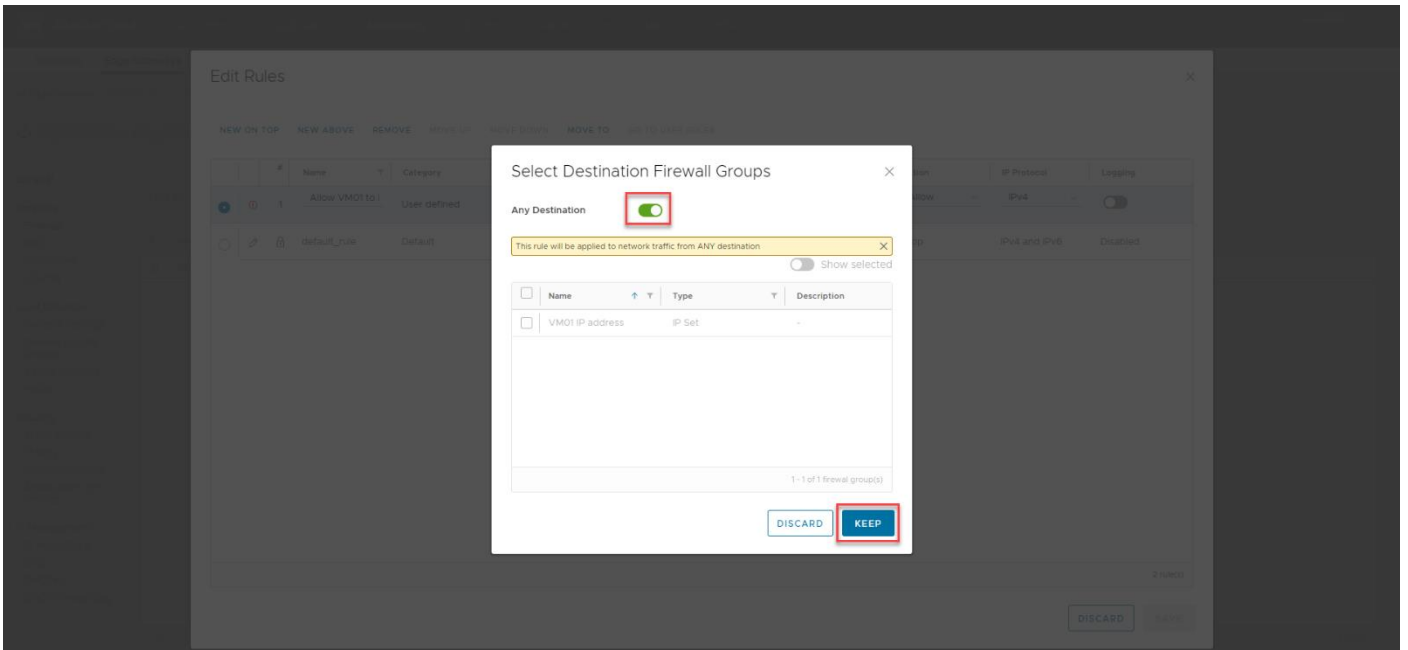




### 3.2 Create Edge firewall rule to allow the VM IP to access the internet.







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...  
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

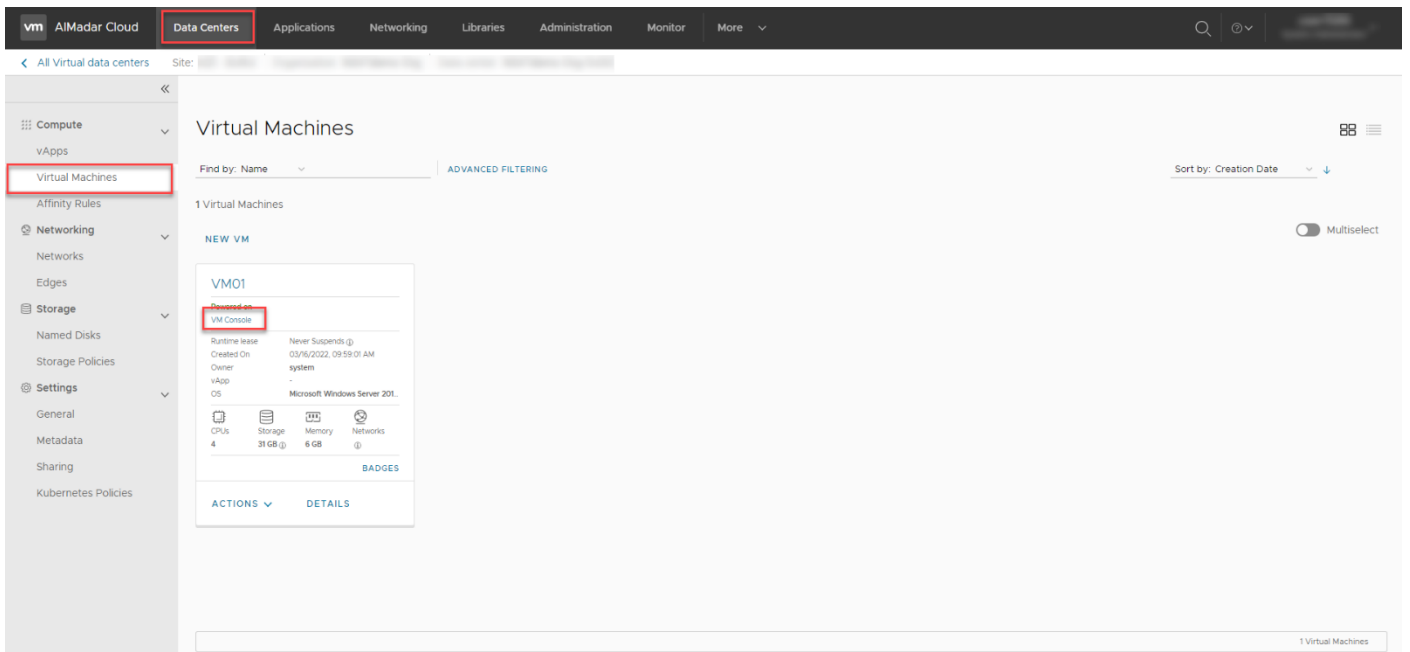
Annotations:

- Enter public Ip assigned to the Edge (points to External IP)
- Enter the internal Ip assigned to the vm that need Internet access (points to Internal IP)
- click on this icon to check the public Ip assigned to the Edge (points to selection icon)

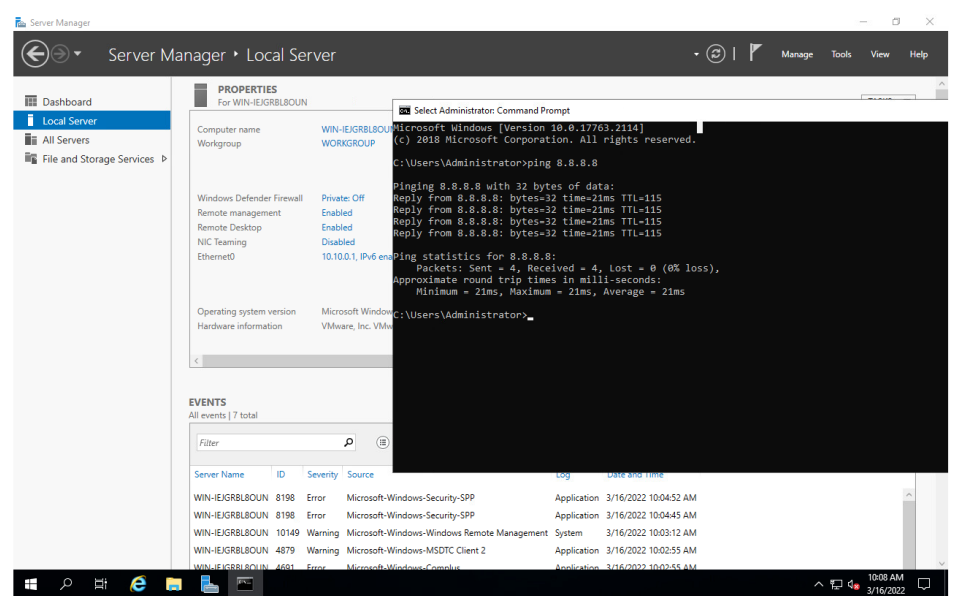
**Edge Gateways**

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

1 - 1 of 1 rules



CTRL+ALT+DEL OPTIONS



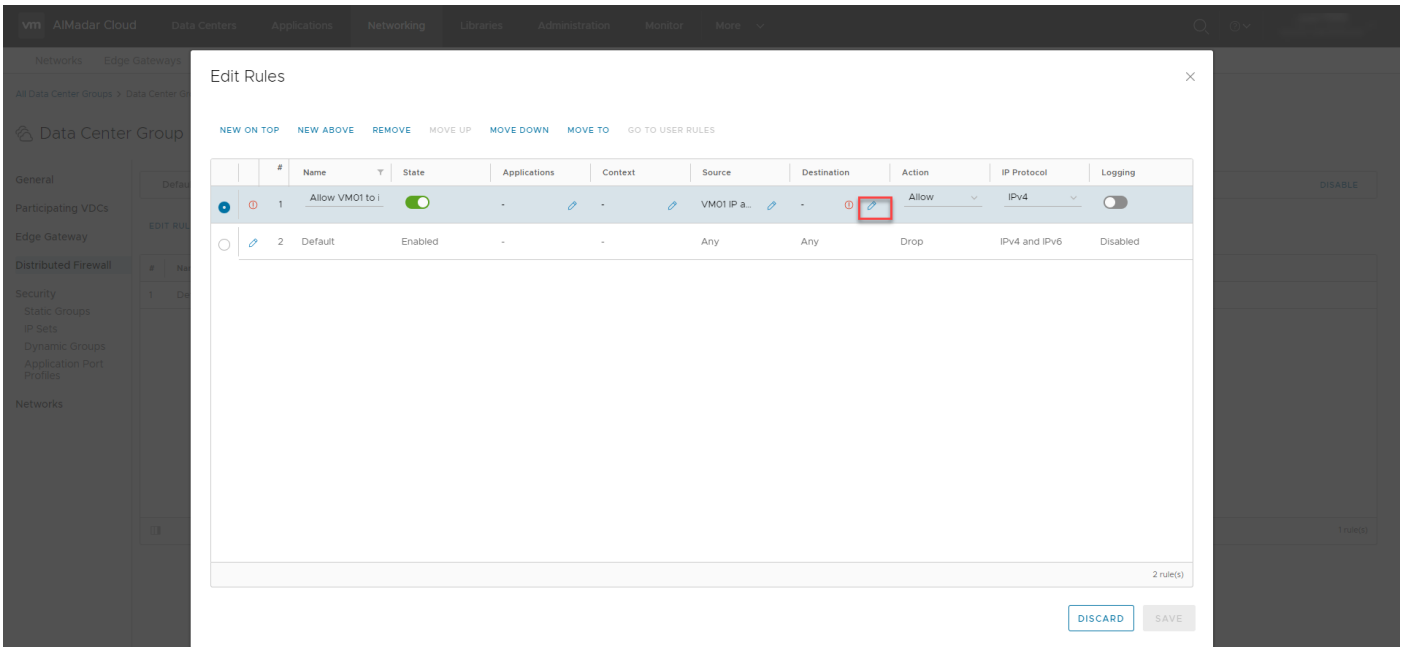
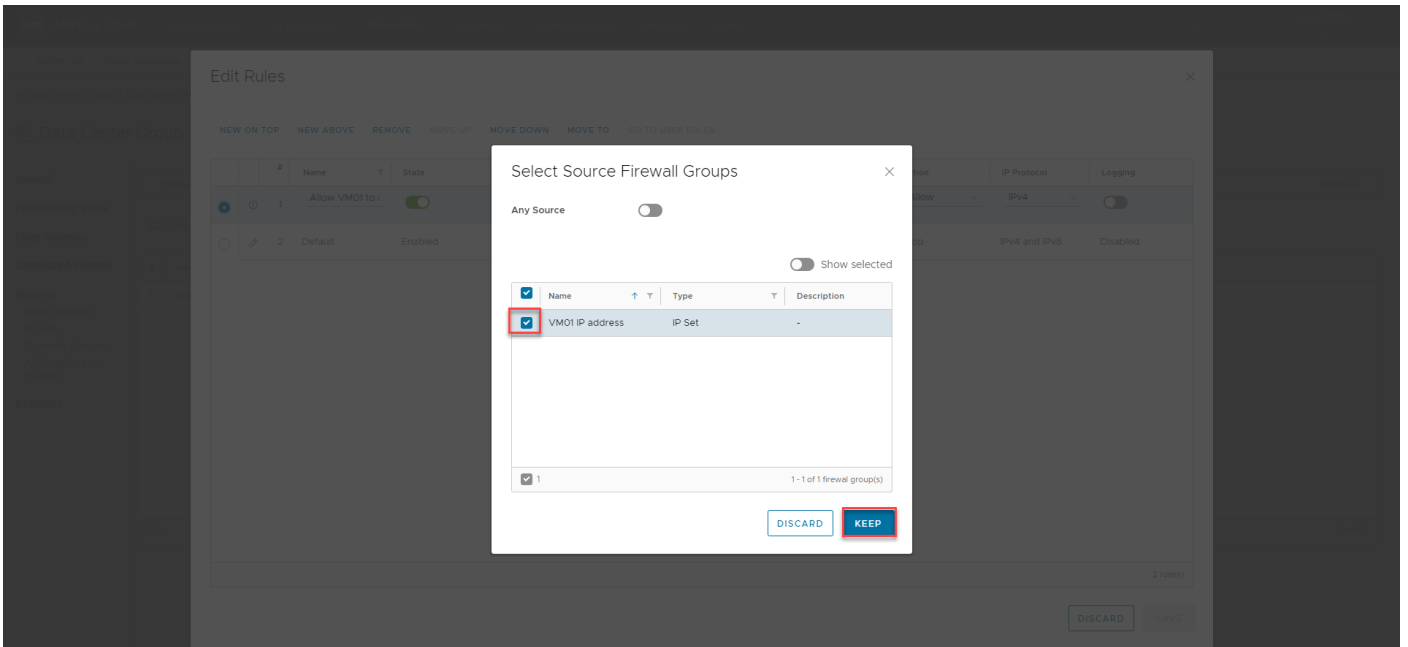
3.4 If you have distributed firewall feature as part of your tenant contract, then you need to allow the VM IP to reach the internet in the distributed firewall in addition to previous steps by following below steps.

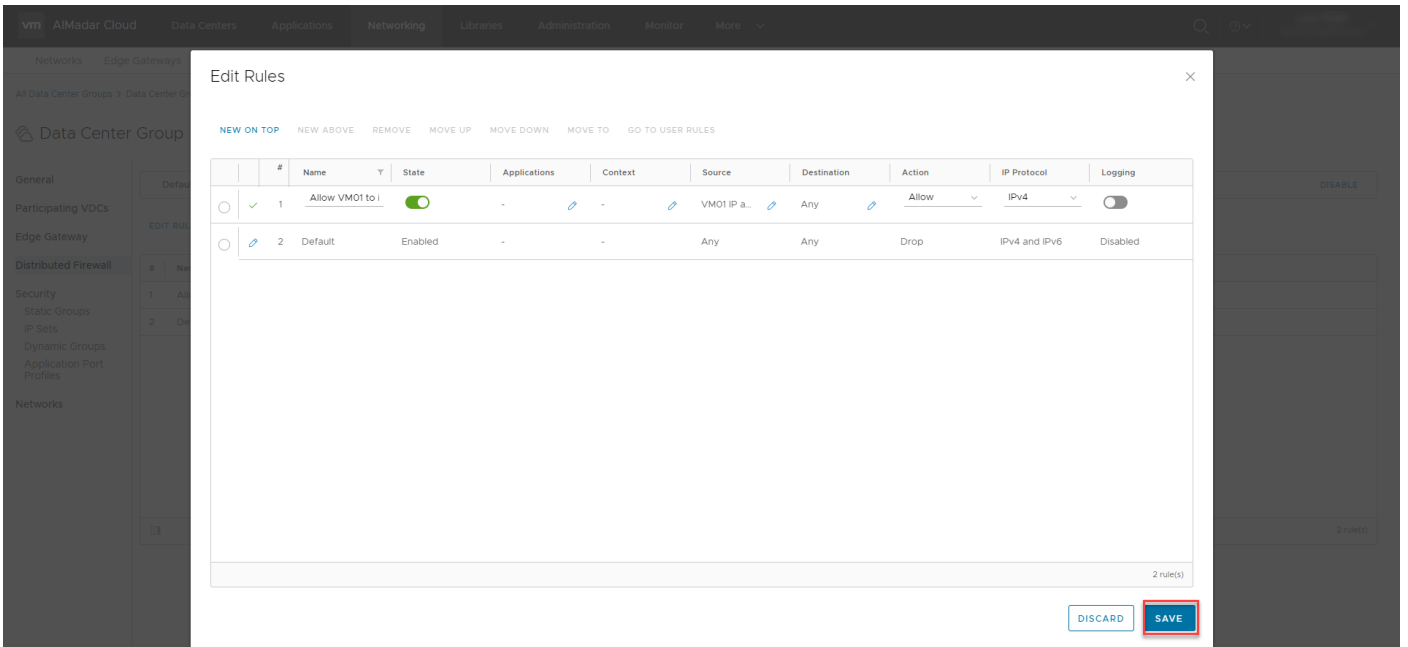
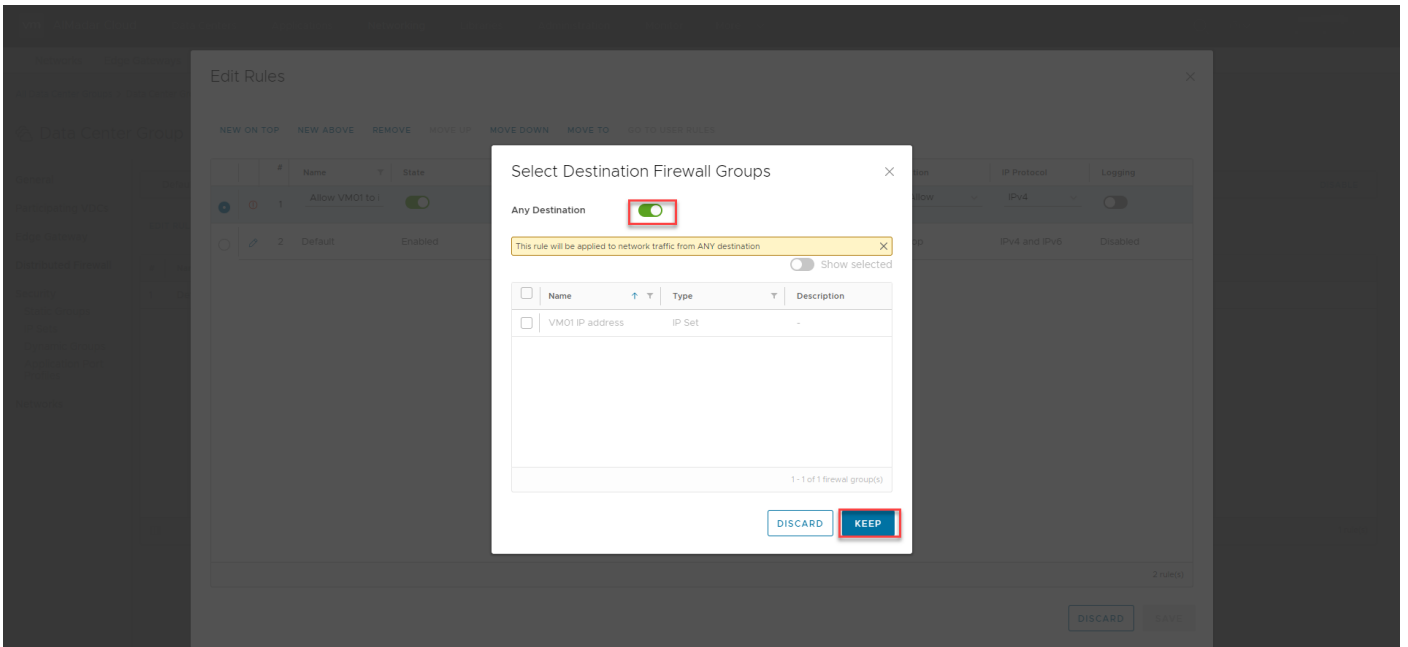
The screenshot shows the VMware Almadar Cloud interface. The 'Networking' tab is selected in the top navigation bar. The left sidebar has 'Distributed Firewall' highlighted. The main content area shows the configuration for a Data Center Group. The 'Default Policy Status' is 'Enabled'. Under 'DISTRIBUTED FIREWALL', there is a table with one rule:

#	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:

#	Name	State	Applications	Context	Source	Destination	Action	IP Protocol	Logging
1	Allow VM01 to I	Enabled	-	-	-	-	Allow	IPv4	Disabled
2	Default	Enabled	-	-	Any	Any	Drop	IPv4 and IPv6	Disabled





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)