



Almadar Cloud Portal User Guide

Guide No.	0006
Name	Publish a service to be accessed through the internet
Version	V1.1
Date	03-Mar-2022

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Version History:

Date	Ver.	Author	Description	Approved by
07-June-2021	1.0	Mohamed Swaih	Initial Release	Emhmed Mselkhi
03-Mar-2022	1.1	Mohamed Swaih	Updated Release to reflect NSX-T changes	Emhmed Mselkhi

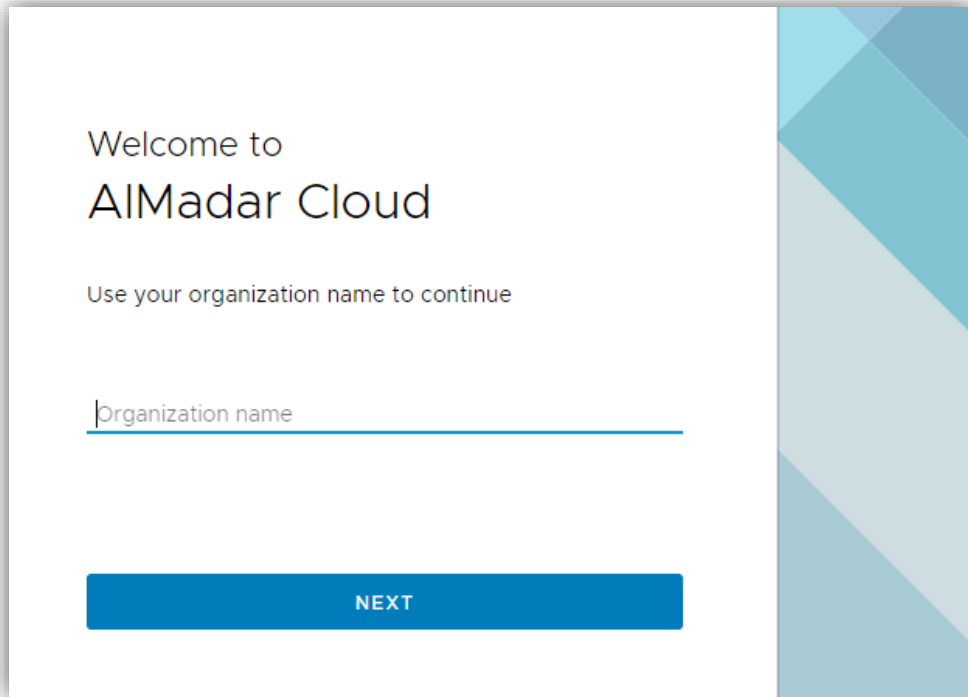
Introduction:

This document is a guide on how to publish a service to be accessed from the internet.

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

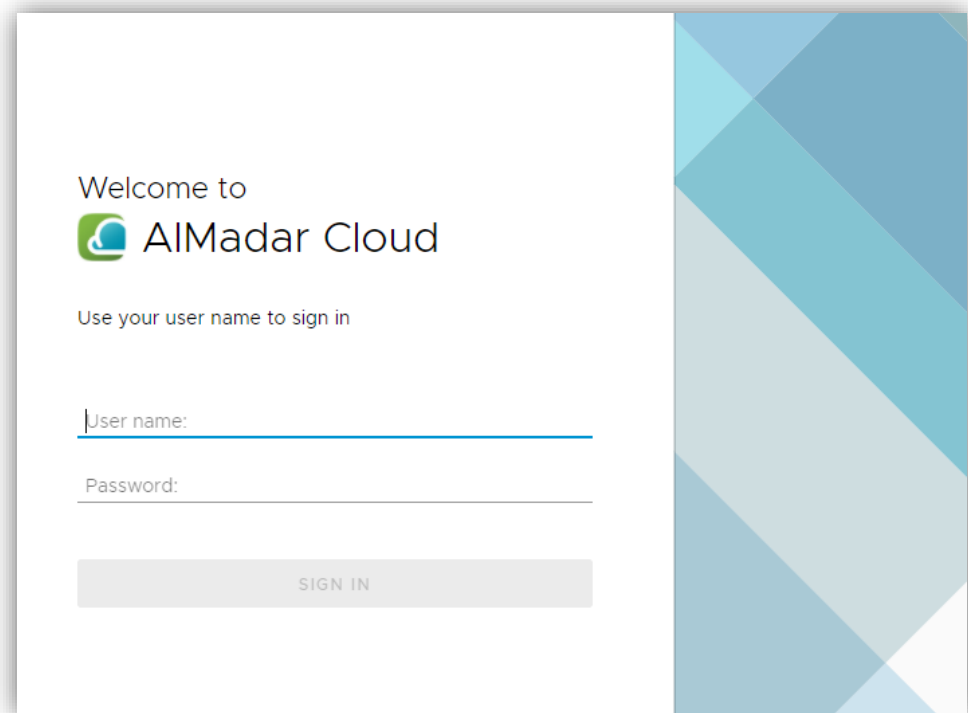



Welcome to
AlMadar Cloud

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 at the top. Below it, the instruction 'Use your organization name to continue' is shown. A text input field contains the placeholder 'Organization name'. At the bottom, there is a blue button labeled 'NEXT'.



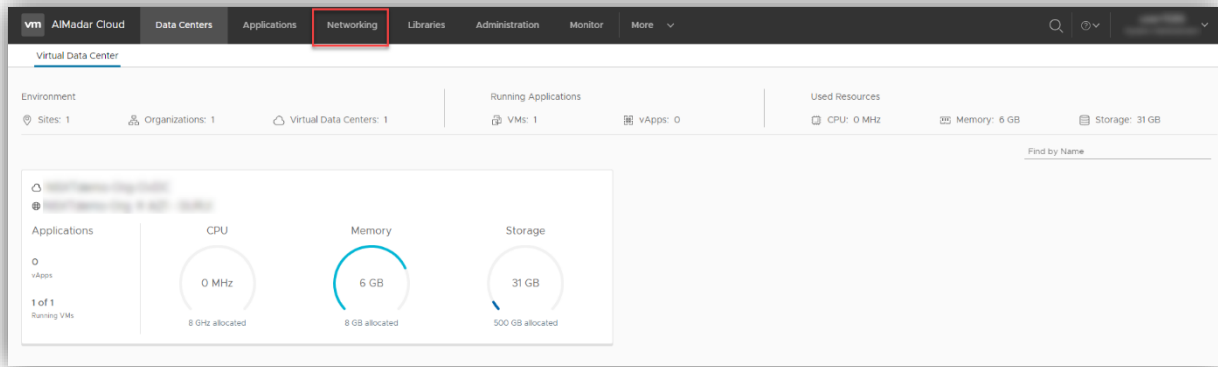
Welcome to
 **AlMadar Cloud**

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 at the top, with the Almadar Cloud logo to the left of the text. Below it, 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 labeled 'SIGN IN'.

2. Click on OvDC

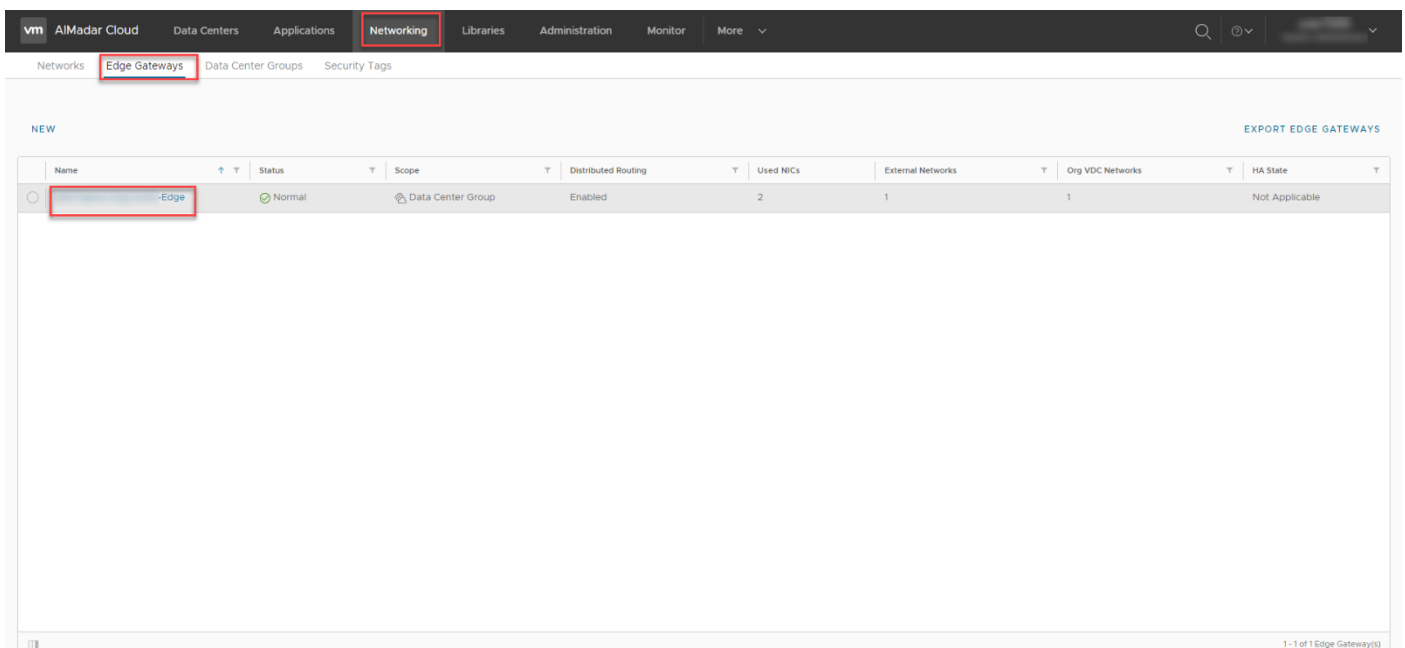


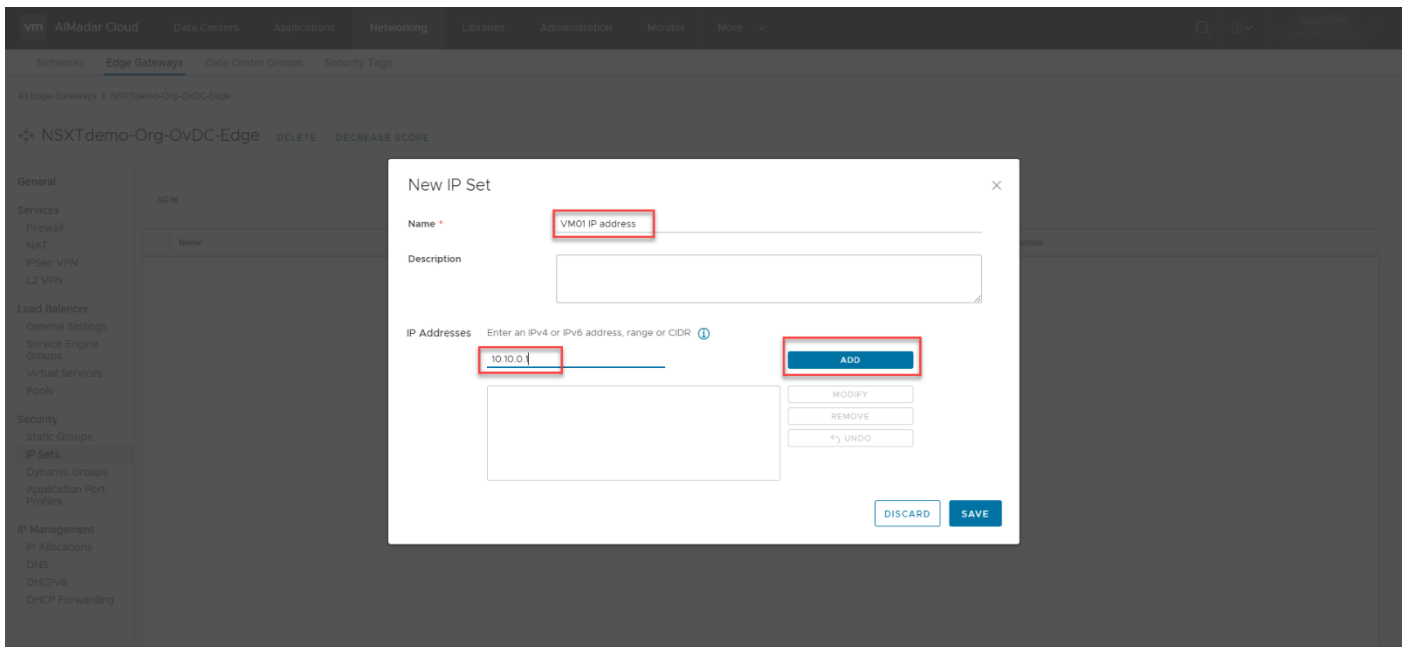
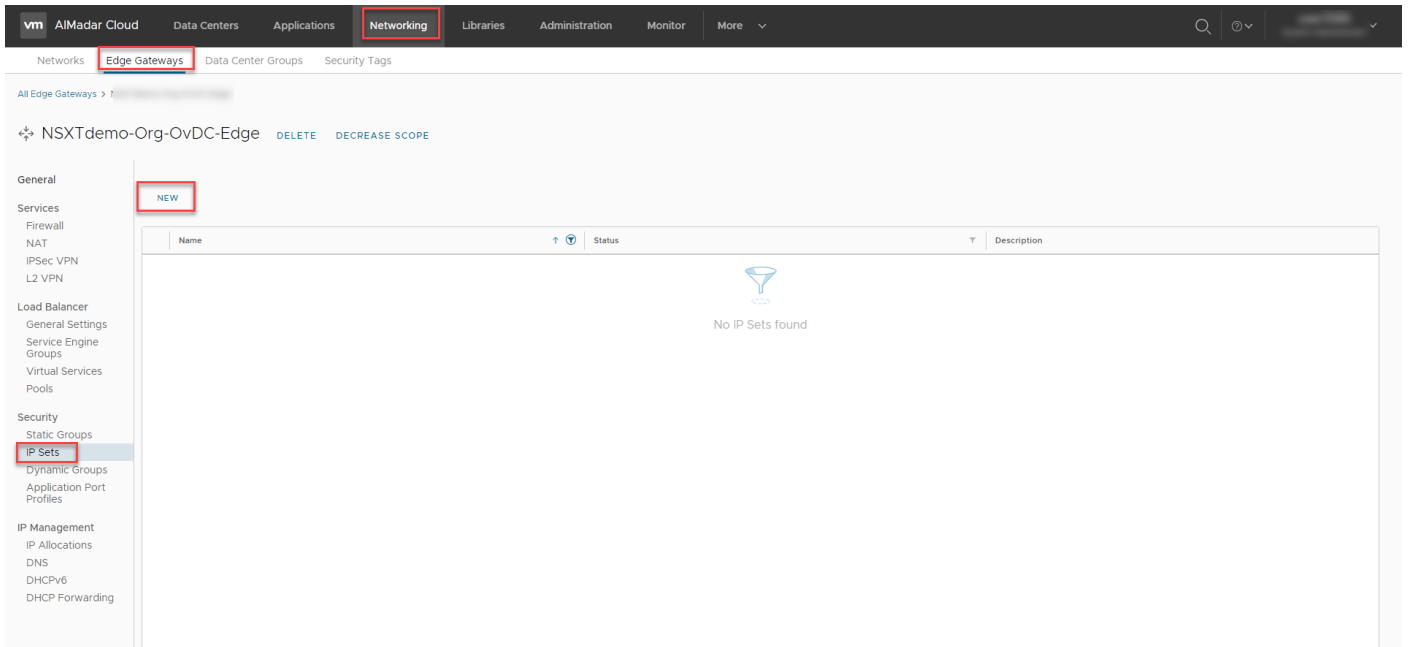
3. As a security best practices, Almadar strongly recommends to utilize WAF solutions to publish servers and services to the internet. For more information please contact Almadar cloud Support.

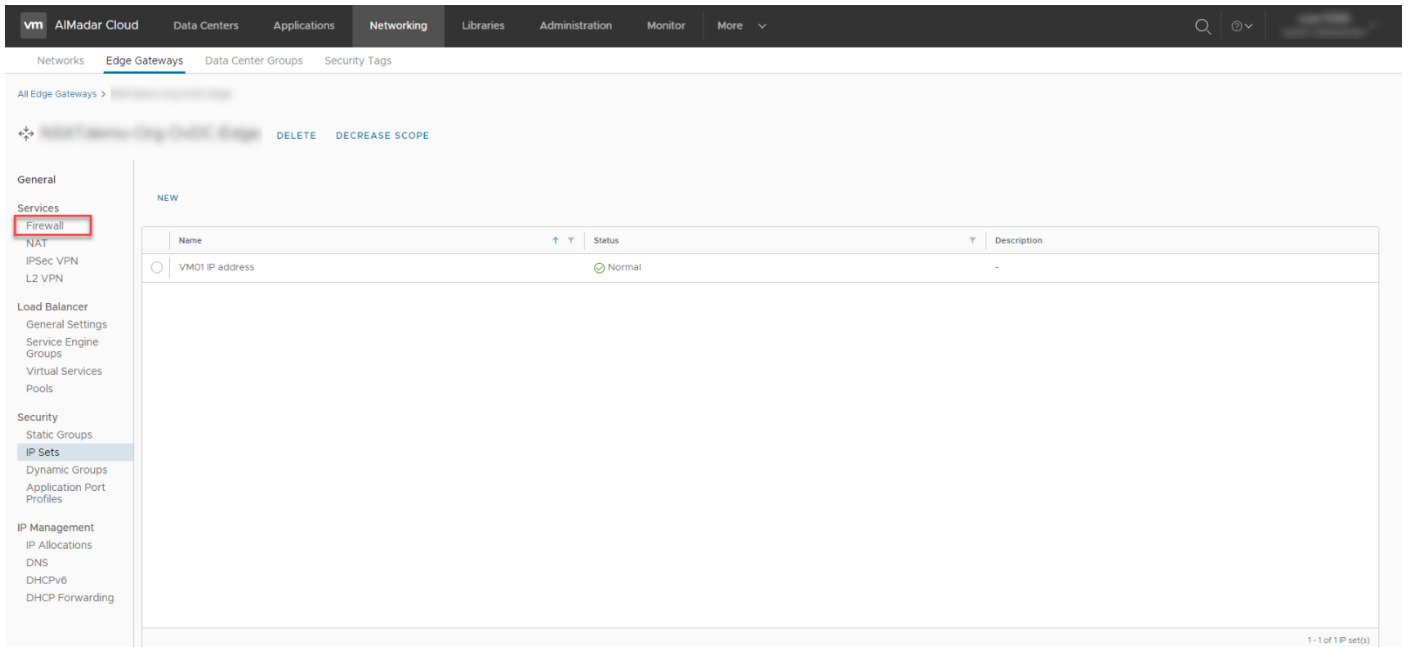
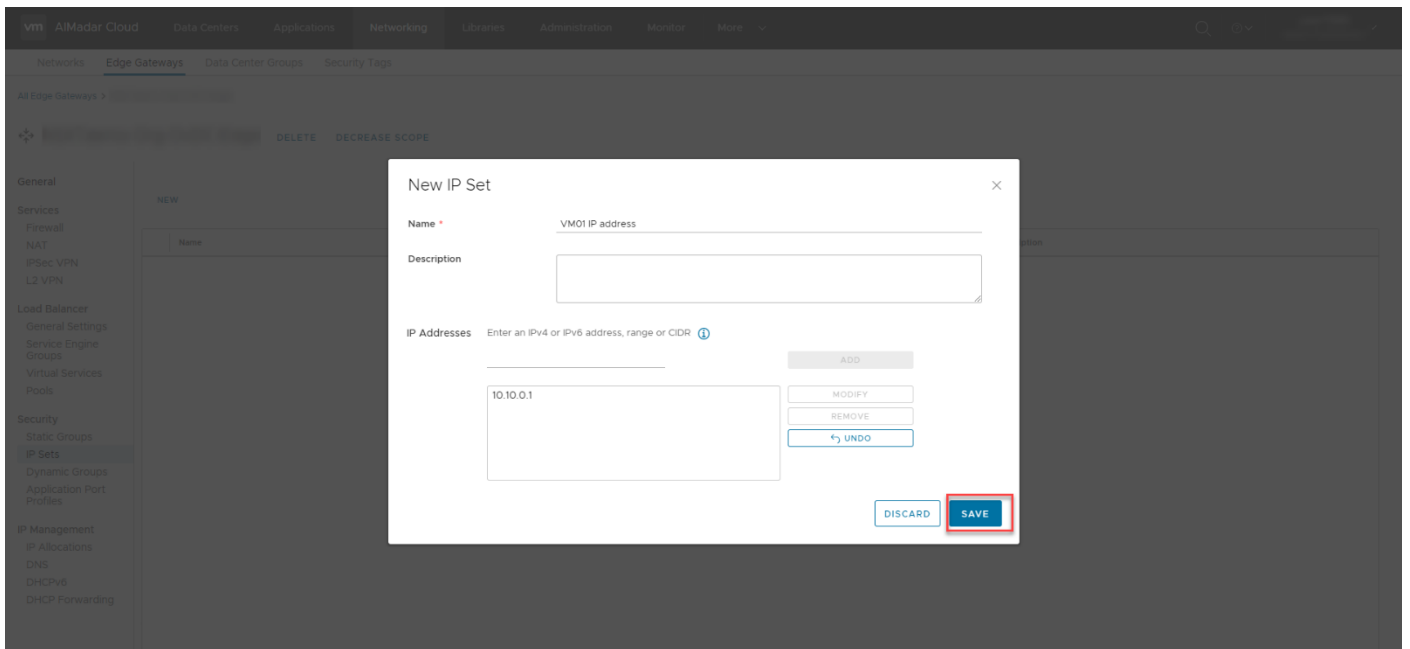
4. To publish a service directly to be accessed through the internet like Microsoft IIS:

- Create ip set with the VM IP that hosts the service/application.
- Create Edge firewall rule to allow the any/specific public IP to access on the VM IP.
- Create DNAT rule to translate the public ip of the edge to the internal (private IP) VM ip.
- If you have distributed firewall feature as part of your tenant contract:
 - Create distributed firewall rule to allow any/specific public IP to reach the VM IP.

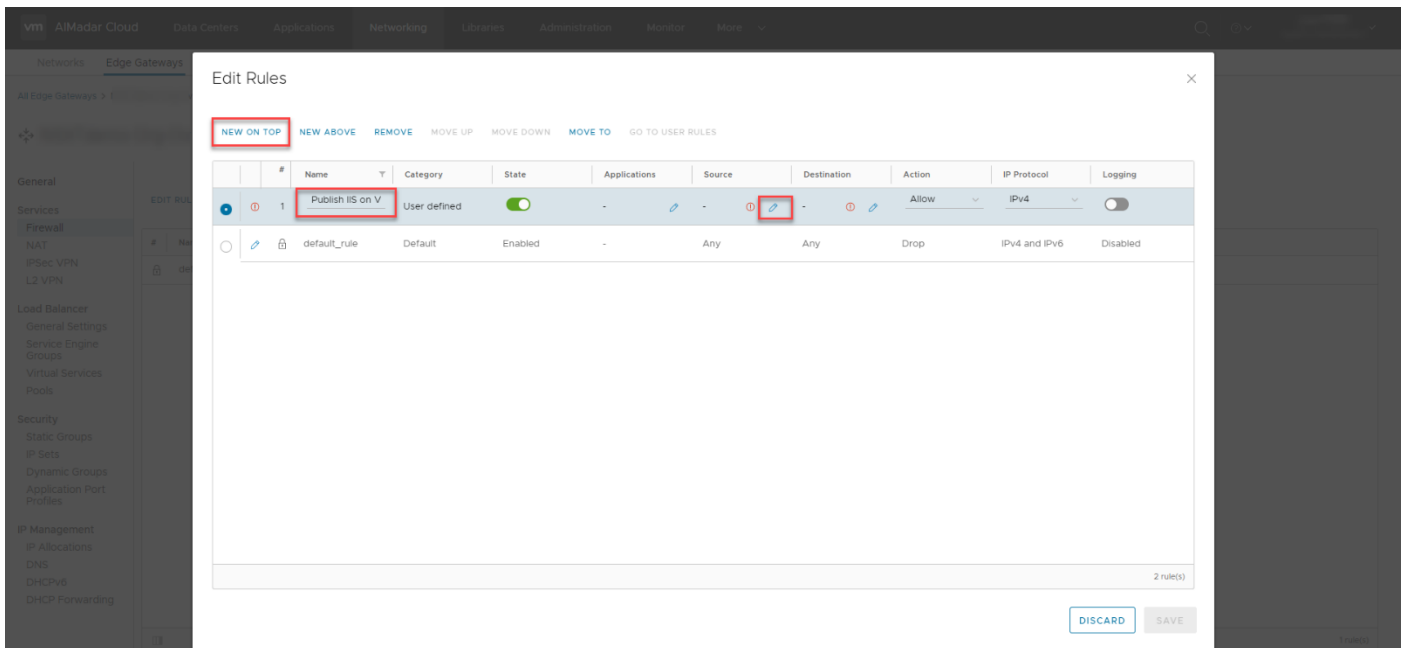
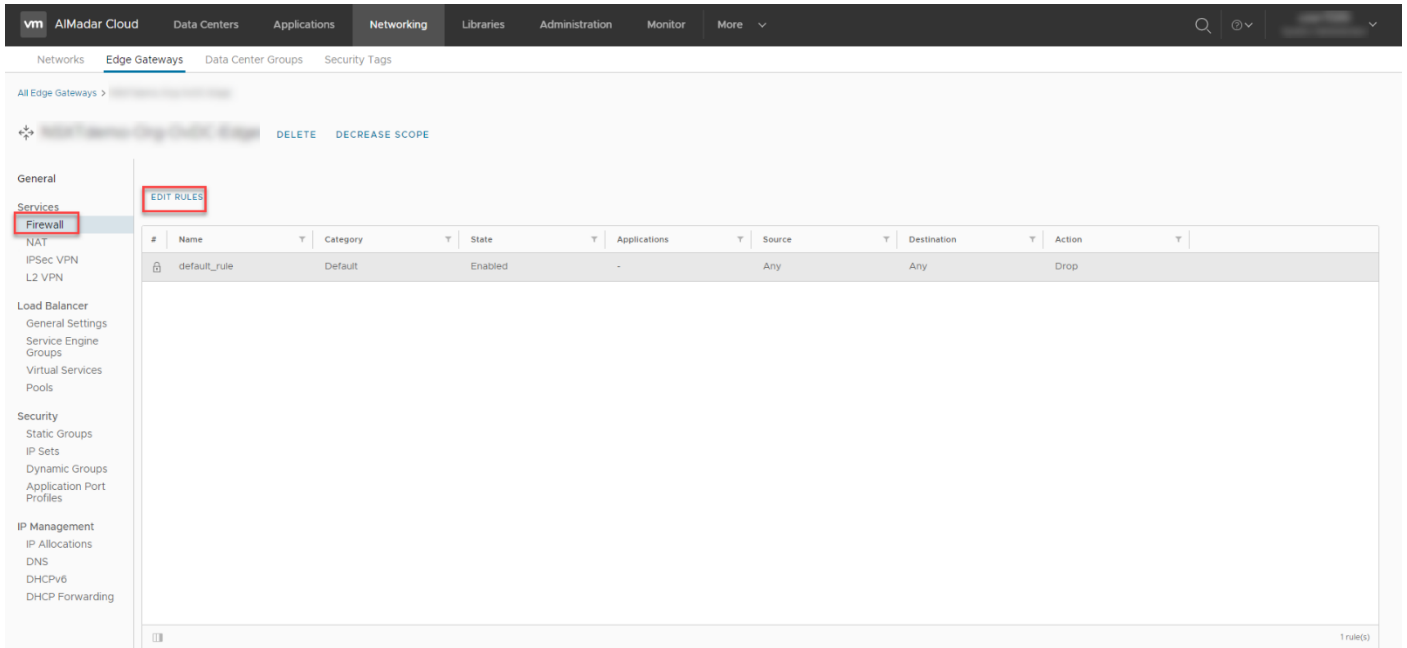
3.1 Create ip set with the VM IP.

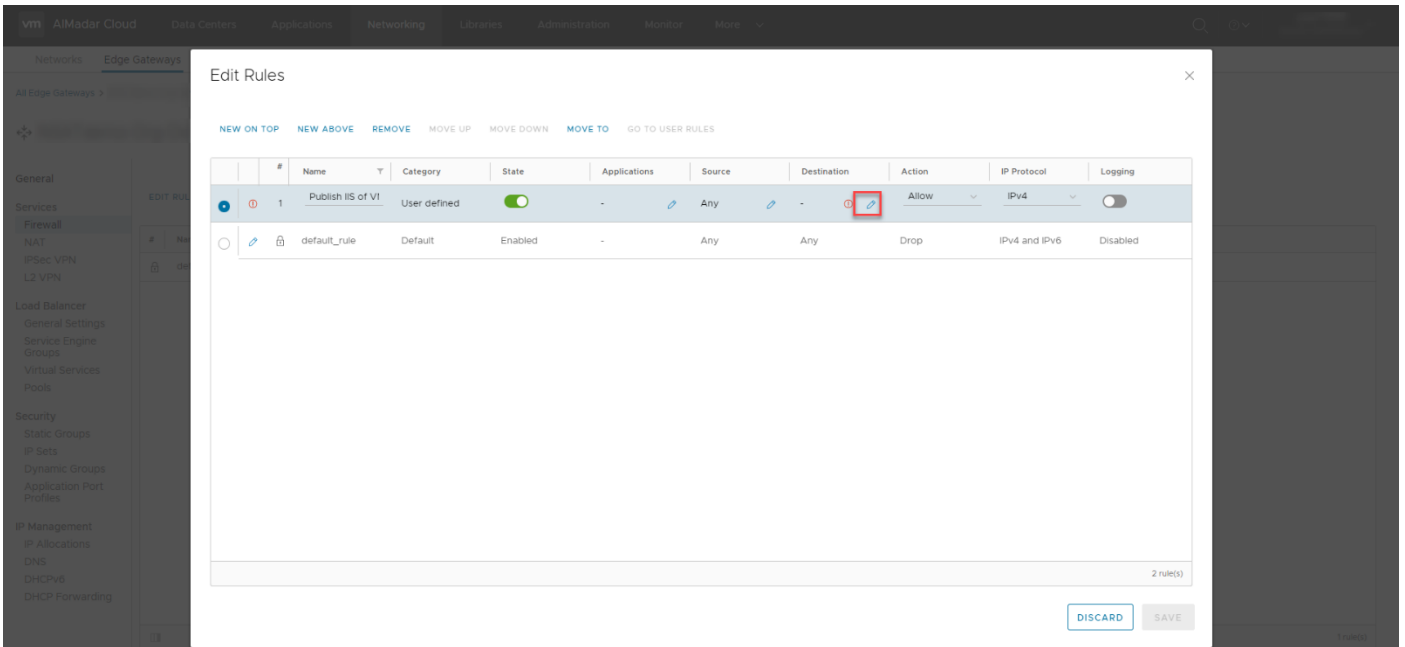
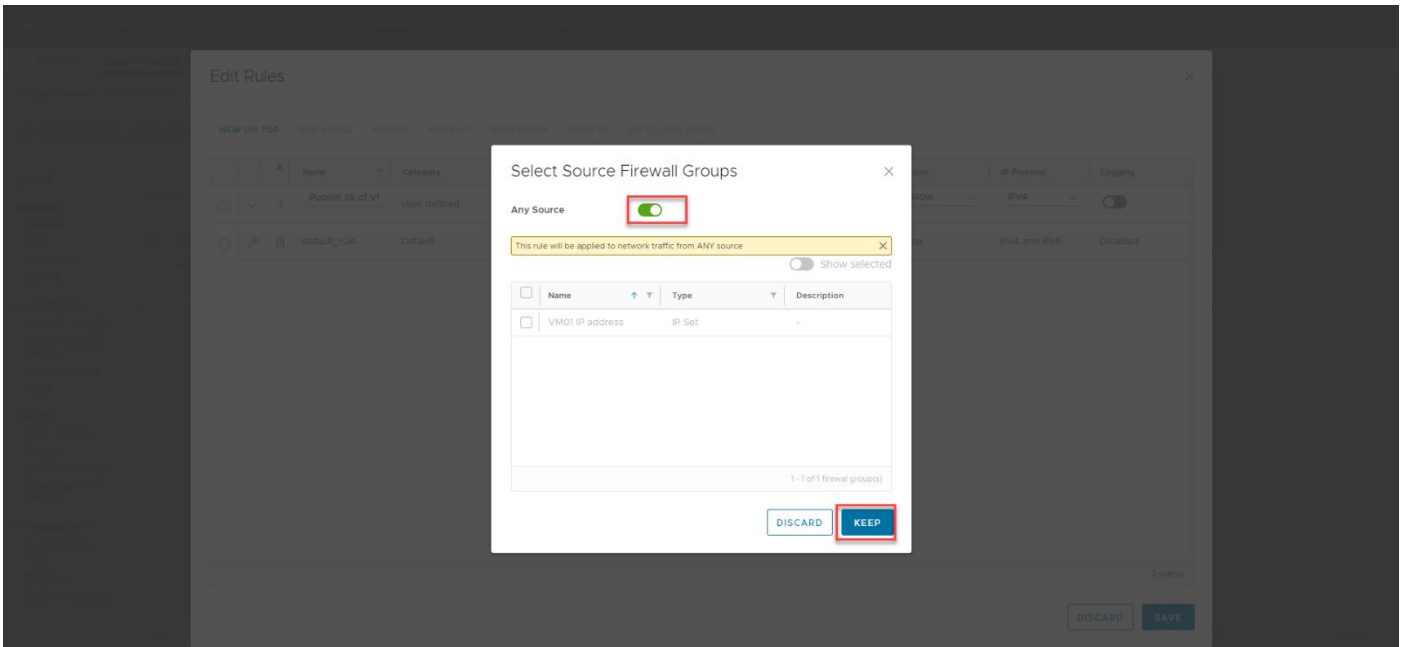


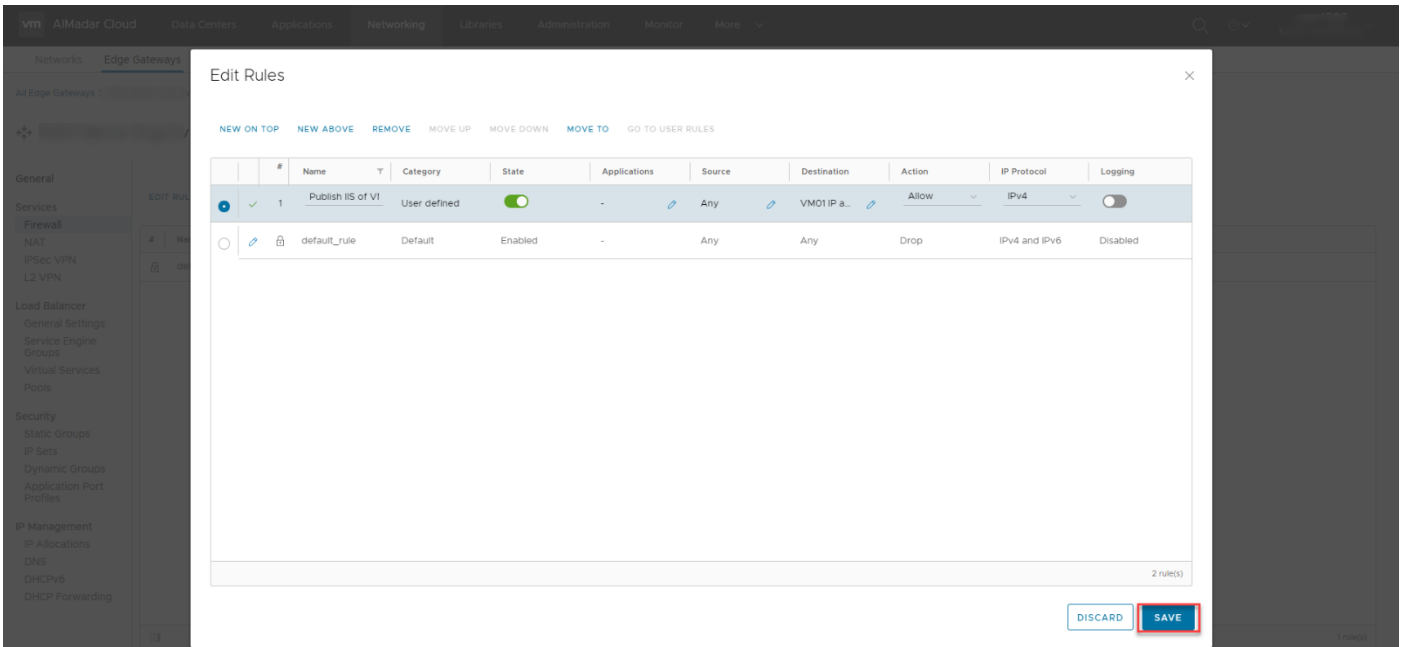
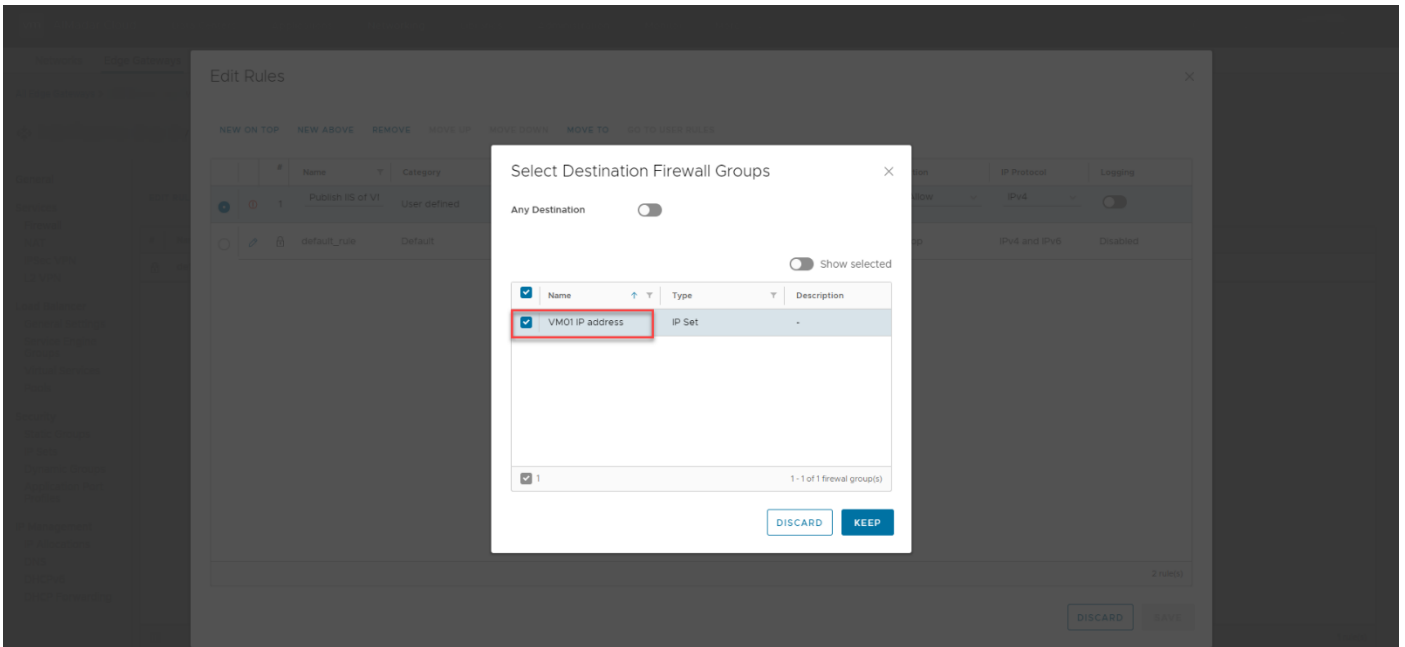




3.2 Create Edge firewall rule to allow the VM IP to access the internet.







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

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

All Edge Gateways > [Edge Gateway Name]

DELETED DECREASE SCOPE

General

Services

Firewall

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	Publish IIS of VM01 to inter...	User defined	Enabled	-	Any	VM01 IP address	Allow
	default_rule	Default	Enabled	-	Any	Any	Drop

2 rule(s)

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

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

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

All Edge Gateways > [Edge Gateway Name]

DELETED DECREASE SCOPE

General

Services

NEW

Firewall

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

Name	Category	State	Type	External IP	Application	Internal IP	External Port	Destination IP	Logging
 <p>No NAT Rules Found</p>									

Add NAT Rule

Name: Publish IIS of VM01 to Internet

Description:

Interface Type: DNAT

External IP: 156... *(Annotation: Enter public Ip assigned to the Edge)*

External Port:

Internal IP: 10.10.0.1 *(Annotation: Enter the internal private IP assigned to the vm that that hosts the service/application)*

Application:

Advanced Settings:

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

Buttons: DISCARD, **SAVE**

(Annotation: click on this icon to check the public Ip assigned to the Edge)

Available External IP Addresses

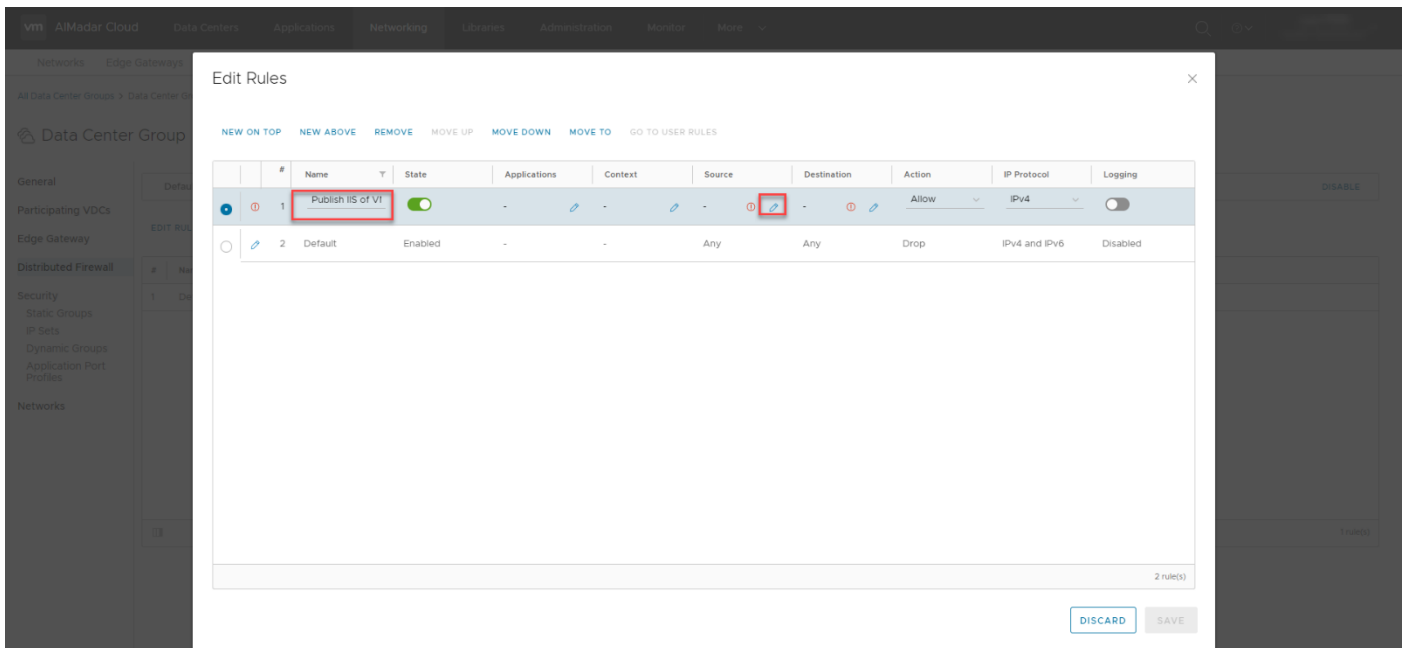
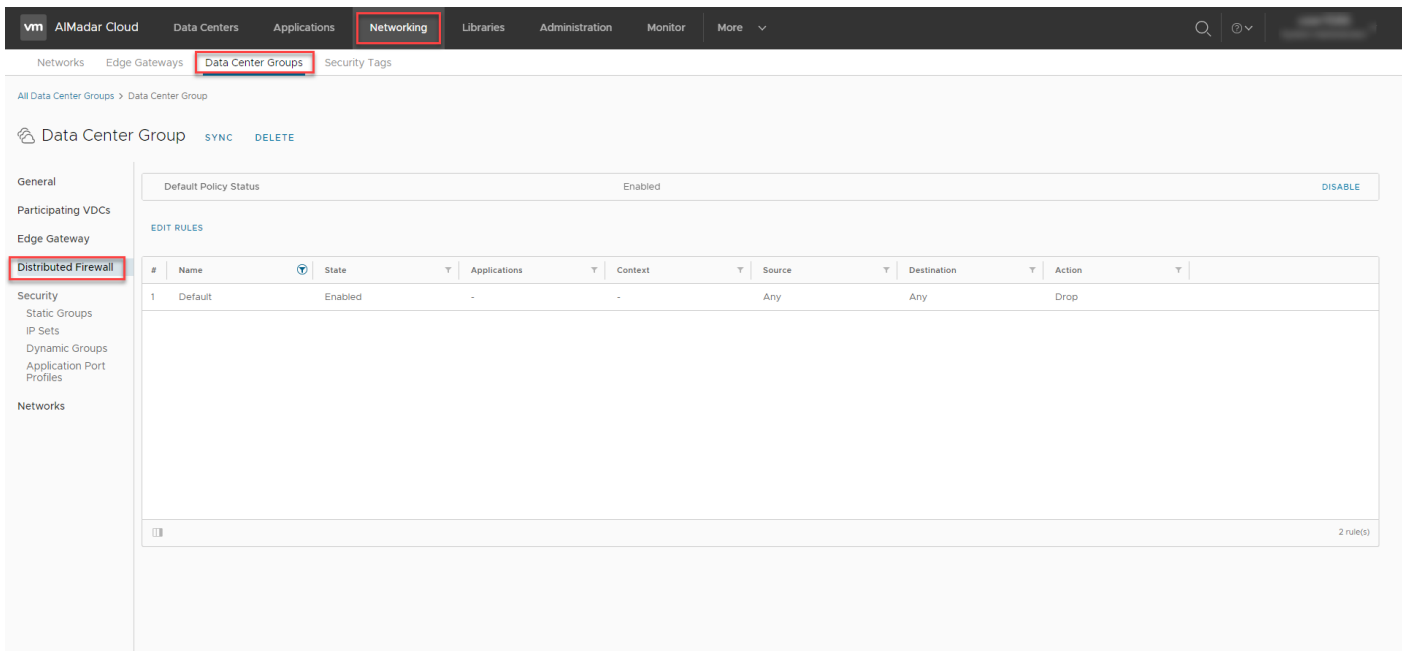
156... - 156...
156...

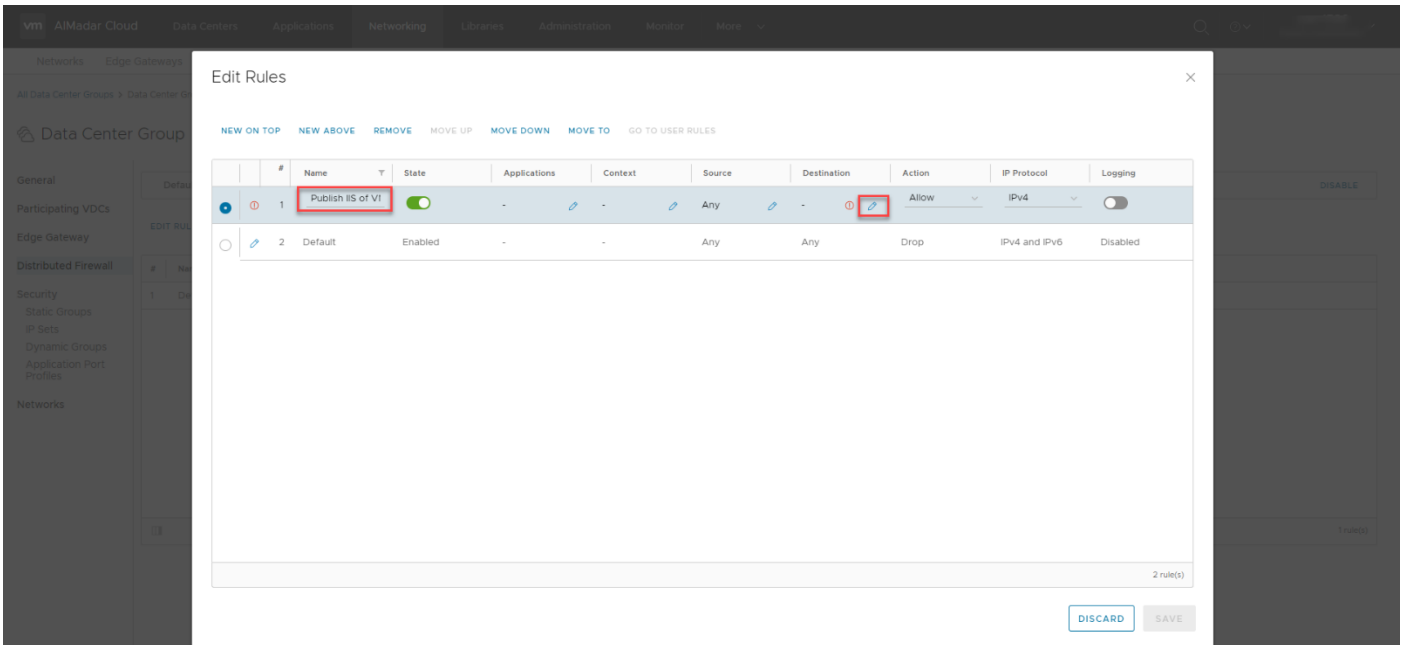
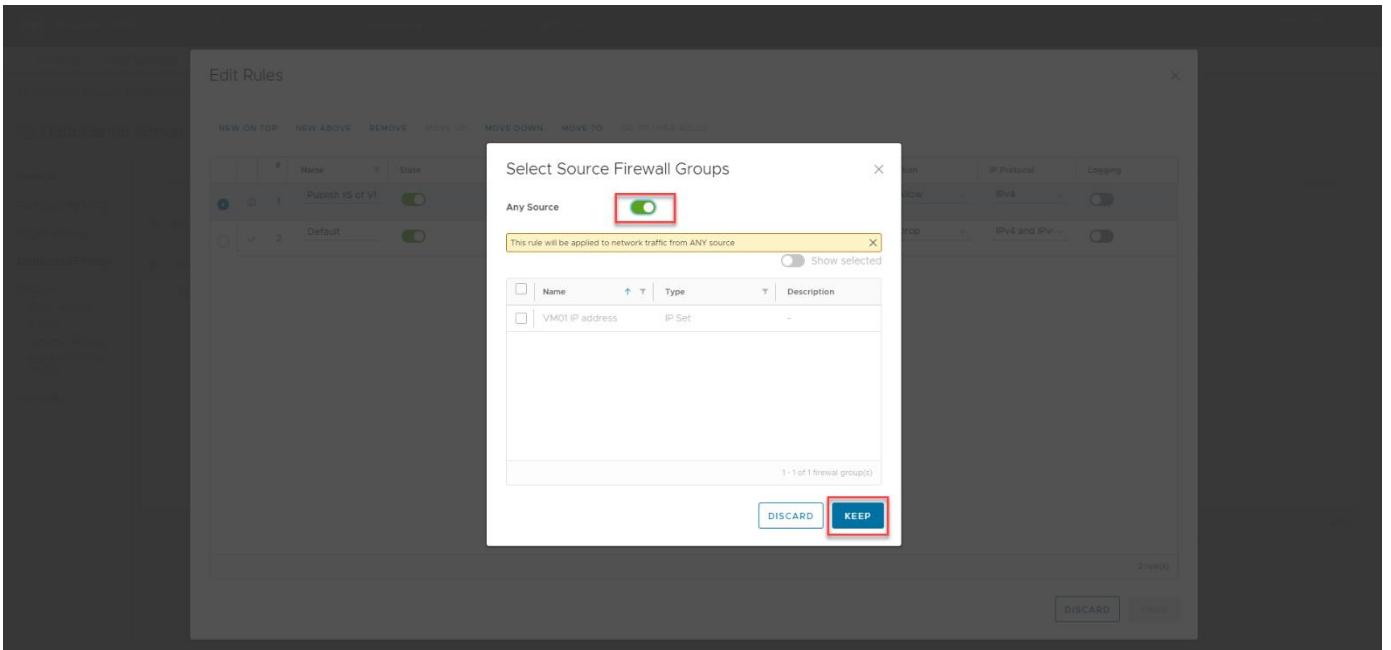
Edge Gateways

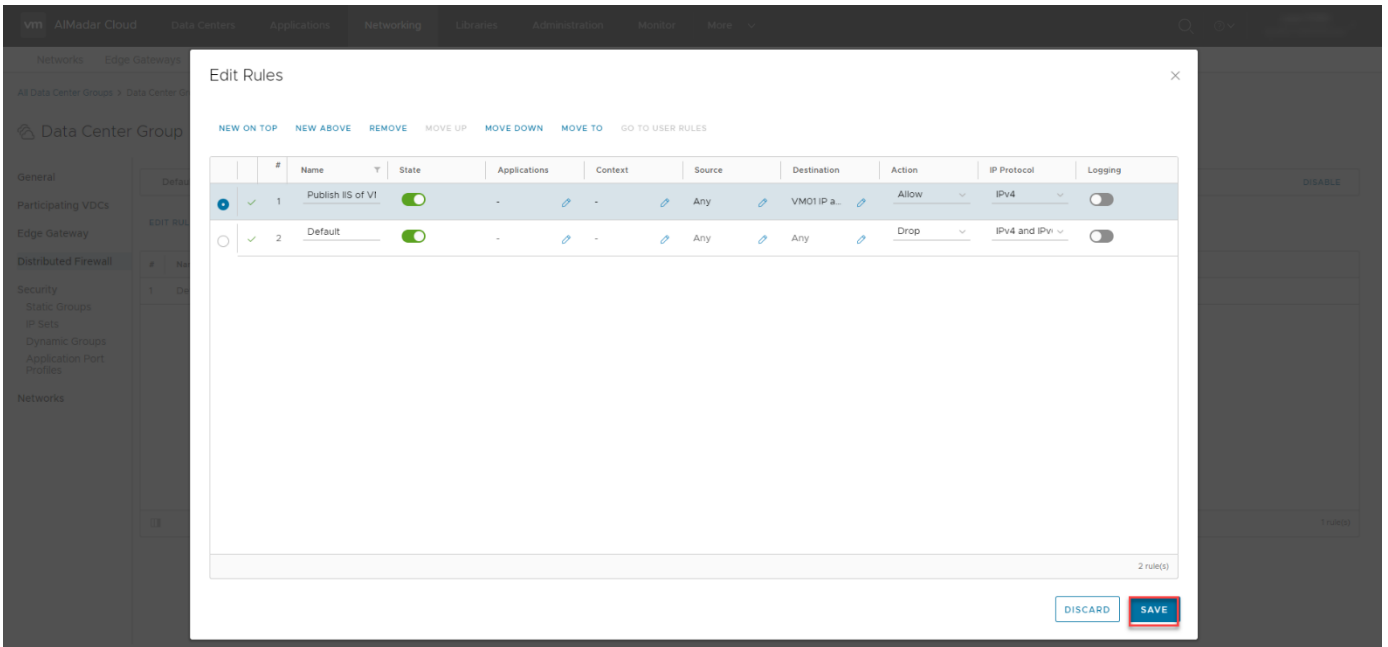
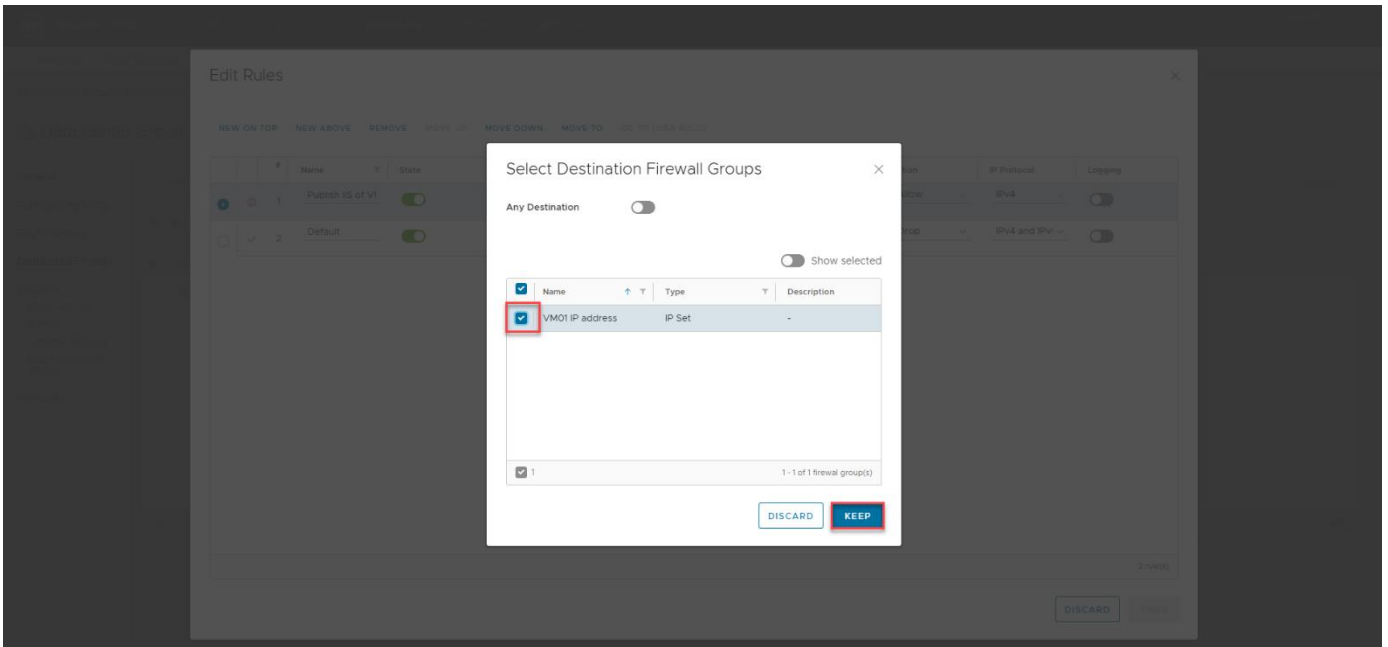
Name	Category	State	Type	External IP	Application	Internal IP	External Port	Destination IP	Logging
Publish IIS of VM01 to inter...	User defined	Enabled	DNAT	156.38.58.233	-	10.10.0.1	Any	-	Disabled

1 - 1 of 1 rules

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







All Data Center Groups > Data Center Group

Data Center Group SYNC DELETE

General

Default Policy Status Enabled DISABLE

Participating VDCs

Edge Gateway

EDIT RULES

Distributed Firewall

#	Name	State	Applications	Context	Source	Destination	Action
1	Publish IS of VM01 to inter...	Enabled	-	-	Any	VM01 IP address	Allow
2	Default	Enabled	-	-	Any	Any	Drop

2 rule(s)

Security

Static Groups

IP Sets

Dynamic Groups

Application Port Profiles

Networks