

How to View, Create, and Manage Server Security Groups on a Network Domain



Description

This article describes how to manage Server Security Groups

- [Create a Server Security Group](#)
- [Edit a Server Security Group](#)

Note: Server Security Groups are only available in specific Private Cloud and Hosted Private Cloud environments. As such, if Server Security Groups have not been enabled for your environment, the Server Security Groups tab will not be displayed.

Prerequisites for creating and managing a Server Security Group:

1. Only the Primary Administrator or a sub-administrator with the Network role can manage a Server Security Group
2. Security Groups must have been enabled in the Data Center Location
3. The Data Center must not be in VMware maintenance
4. Target Network Domain must be in a Normal state.
5. Target Network Domain must be an Advanced or Enterprise Network Domain
6. Server Security Group name must be between 1-24 characters in length
7. Server Security Group name cannot contain spaces
8. Server Security Group name cannot begin with a number or a dot/period/full stop
9. Server Security Group name must be unique
10. No NICs on a Server can be associated with any VLAN Security Groups
11. A Server can only be assigned to one Server Security Group at a time
12. Each Network Domain is limited to a total of 300 Security Groups (VLAN Security Groups and Server Security Groups in the aggregate)
13. Each Data Center location is limited to a total of 9,000 total Security Groups (VLAN Security Groups and Server Security Groups in the aggregate)
14. You cannot downgrade a Network Domain from Advanced or Enterprise to Essentials if any Security Group(s) exist on the Network Domain

Content / Solution:

1. **From the Home page, click on the Data Center where Network Domain on which you want to manage Server Security Groups is located:**

The screenshot shows a dashboard with four summary cards: ALL MCPs OPERATIONAL (thumbs up), SERVERS ONLINE (4), SERVERS OFFLINE (0), and NETWORKS AND VLANS (3). Below is a 'Summary' table:

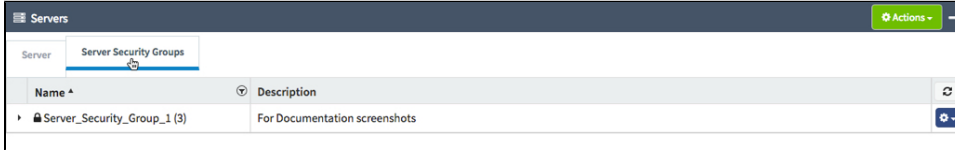
Data Center	Status	Servers Running	Total CPU	Total RAM	Total Storage	Backup Enabled	Monitoring Enabled
US - East 3 - MCP 2.0 (NA9)		3 of 3	3	3 GB	90 GB	-	1
US - West - MCP 2.0 (NA12)		1 of 1	1	1 GB	20 GB	-	-

2. **The Data Center dashboard will be displayed. Select the (Advanced or Enterprise) Network Domain on which you want to manage a Server Security Group:**

The screenshot shows a table titled 'Network Domains' with the following data:

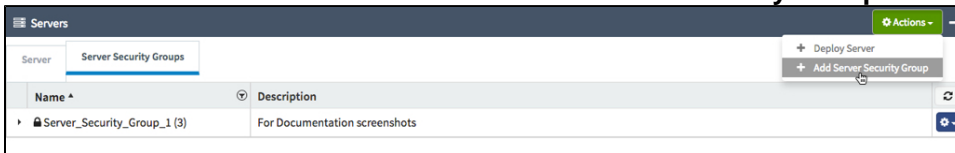
Name *	Type	SNAT IPv4 Address	Actions
Network Domain 1 Department 1: R&D Team: Documentation	Enterprise	168.128.250.3	
Network Domain 2 Department 1: R&D Team: Documentation	Advanced	168.128.3.45	

3. The Network Domain dashboard will be displayed. Click on the Servers tab, then click on the Server Security Groups menu:

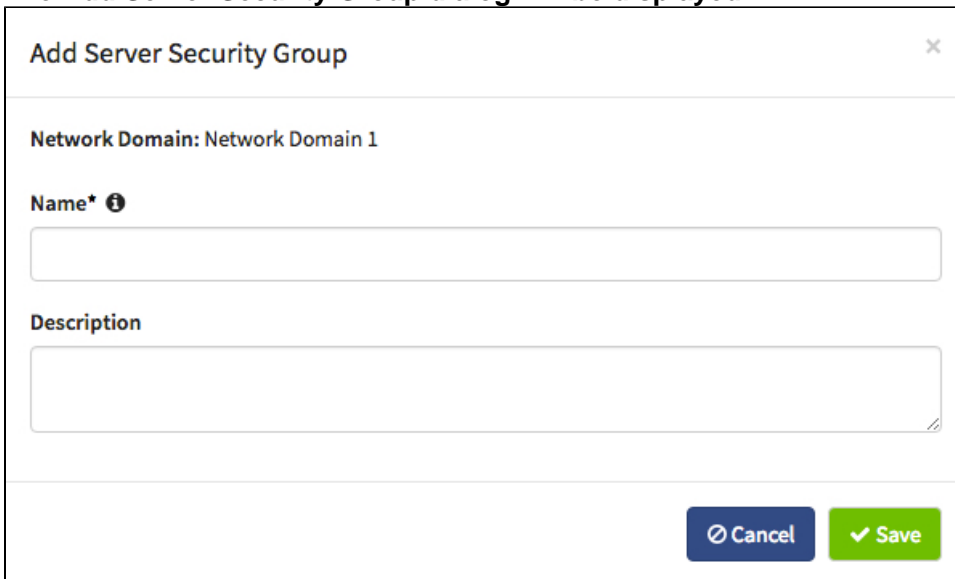


Create a Server Security Group

1. Click on the Actions button and select Add Server Security Group from the drop-down menu:



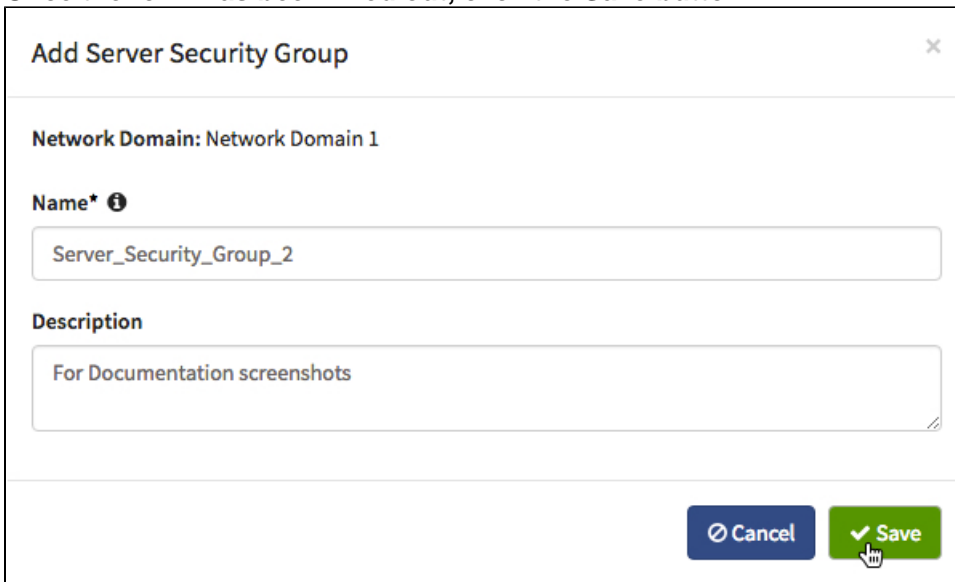
2. The Add Server Security Group dialog will be displayed:

A screenshot of the 'Add Server Security Group' dialog box. The dialog is titled 'Add Server Security Group' and has a close button (X) in the top right corner. It shows 'Network Domain: Network Domain 1'. There are two input fields: 'Name*' (required) and 'Description'. At the bottom, there are 'Cancel' and 'Save' buttons.

3. Fill out the form with the requested information:

- **Name** - Enter a descriptive Name for the VLAN Security Group.
 - Security Group Names should be between 1-24 alphanumeric characters.
 - Additional acceptable characters are "_" and "."
 - Can not begin, end with, or include spaces.
 - Must be unique to the Organization ID, *and* Location (Data Center) across all Security Groups (including VLAN Security groups).
- **Description** - Enter an *optional* Description. 255 characters maximum.

- Once the form has been filled out, click the Save button:



Add Server Security Group

Network Domain: Network Domain 1

Name* ?

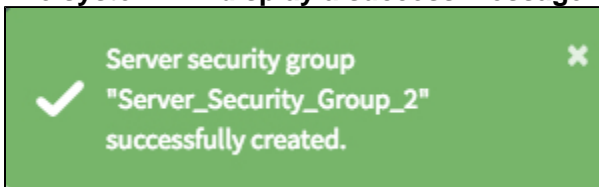
Server_Security_Group_2

Description

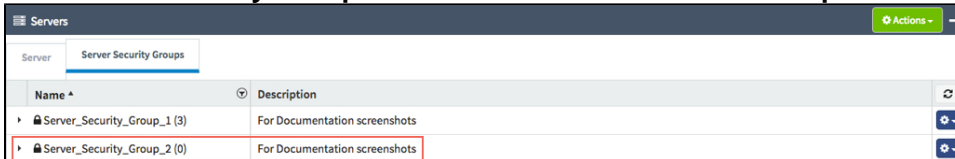
For Documentation screenshots

Cancel Save

- The system will display a success message:



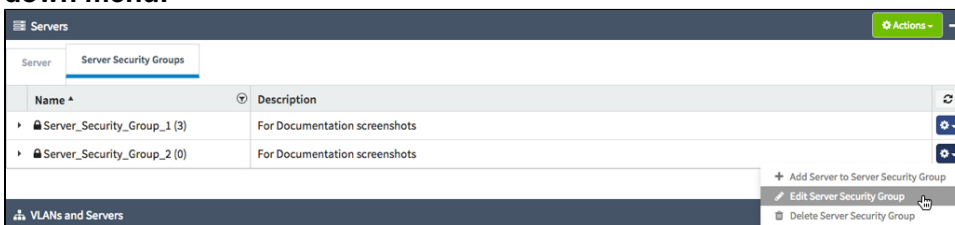
- The Server Security Group will be created and the UI will be updated to reflect the change:



Name ^	Description	
Server_Security_Group_1 (3)	For Documentation screenshots	
Server_Security_Group_2 (0)	For Documentation screenshots	

Edit a Server Security Group

- Locate the Server Security Group that you want to edit from the pool in the Server Security Groups menu. Click on the manage gear and select Edit Server Security Group from the drop-down menu:



2. The Edit Server Security Group dialog will be displayed:

Dialog box titled "Edit Server Security Group" with a close button (X). The form contains the following fields:

- Name*** (required): Server_Security_Group_2
- Description**: For Documentation screenshots

Buttons: Cancel, Save

3. Fill out the form with the desired information:

- **Name** - Enter a descriptive Name for the VLAN Security Group.
 - Security Group Names should be between 1-24 alphanumeric characters.
 - Additional acceptable characters are "_" and "."
 - Can not begin, end with, or include spaces.
 - Must be unique to the Organization ID, *and* Location (Data Center) across all Security Groups (including VLAN Security groups).
- **Description** - Enter an *optional* Description. 255 characters maximum.

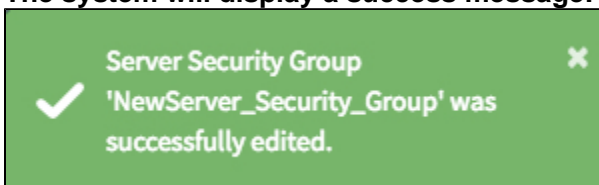
4. Once the form has been filled out, click the Save button:

Dialog box titled "Edit Server Security Group" with a close button (X). The form contains the following fields:

- Name*** (required): NewServer_Security_Group
- Description**: Updated description!

Buttons: Cancel, Save (being clicked)

5. The system will display a success message:



6. The Server Security Group will be edited and the UI will be updated to reflect the change:

Name *	Description
NewServer_Security_Group (0)	Updated description!
Server_Security_Group_1 (3)	For Documentation screenshots



Additional Information

- For instructions on how to add or remove Servers to/from a Server Security Group, see [How to Add or Remove a Cloud Server to / from a Server Security Group](#)
- For instructions on how to delete a Server Security Group, see [How to Delete a Server Security Group](#)

Recently Updated

- [How to Delete a Server Security Group](#)
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- [How to View, Create, and Manage Server Security Groups on a Network Domain](#)
- [How to Migrate Existing RedHat Servers to use the MCP Update Structure](#)
- [How to Add or Remove a Cloud Server to / from a Server Security Group](#)