



Multiple vCenters with NSX-T Cloud

Avi Technical Reference (v20.1)

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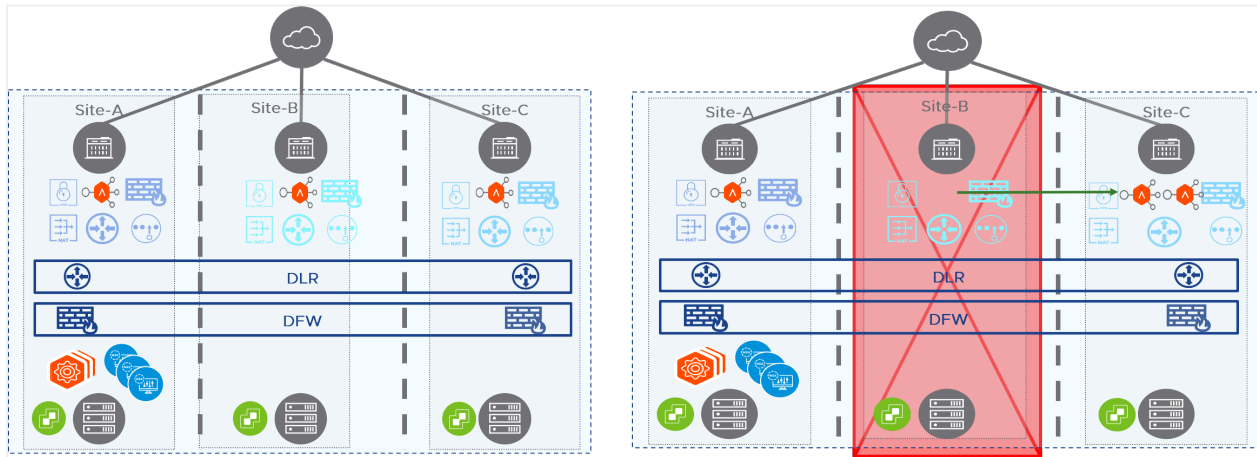
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Overview

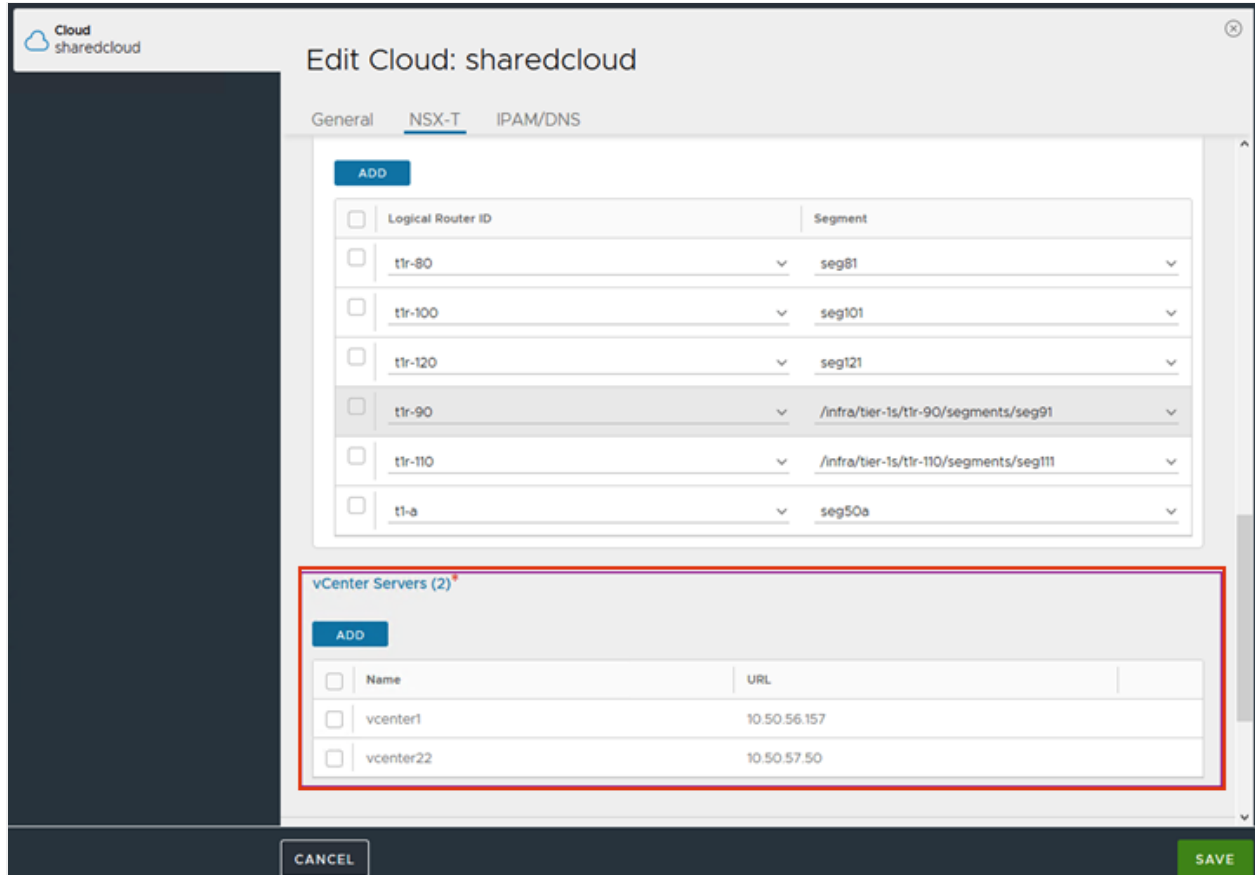
Starting with Avi Vantage version 20.1.3, as part of the NSX-T cloud configuration, multiple vCenters with stretched transport zone can be added.

Multiple vCenters per NSX-T cloud: * Enables Multi-site deployments (Cross-VC NSX) * Provides universal transport zones with Stretched Clusters or Stretched Logical Networks * Enables utilizing underlying vSphere HA, DA, DR and DRS strategies



Multiple vCenters per NSX-T Cloud

Multiple vCenters in a transport zone can be added to single NSX-T Cloud:



The cloud will not be ready until the SE image is created in all the vCenters.

Note: The cloud creation status will not be successful if the virtual service creation is stuck or if there are issues in one of the sites.

The SEs are created in the following steps:

1. Selecting a vCenter randomly
2. Choosing an ESX host based on round robin logic

Host/ Datastore/ Folder Scoping

Host/ datastore/ folder Scoping can be configured at each vCenter level as shown below: 1. From the Avi UI, navigate to Infrastructure > Service Engine Group.

2. In the Select Cloud drop down, select an NSX-T cloud.
3. Click on Create or edit an existing SE Group.
4. Under Placement Scope, click on Add vCenter.
5. Configure Host Scope Service Engine within and Data Store for Service Engine Virtual Machine.

The screenshot displays a configuration window for NSX-T Cloud with the following sections:

- Placement Scope:** Includes fields for vCenter (vc), Service Engine Folder (Select a Folder), Host Scope Service Engine within (radio buttons for Any and Host), and Data Store Scope for Service Engine Virtual Machine (radio buttons for Any and Shared).
- Advanced HA & Placement:** Includes Buffer Service Engines (input field with value 1), Scale per Virtual Service (input field with value 1, Minimum 4, Maximum), and checkboxes for CPU socket Affinity and Dedicated dispatcher CPU.
- Security:** Includes an HSM Group dropdown menu (Select HSM Group).
- Log Collection and Streaming Settings:** Includes throttles for Significant Log (100 Logs/Second), UDF Log (100 Logs/Second), and Non-significant Log (100 Logs/Second), along with Number of Streaming Threads (input field with value 1, Threads).

Buttons for Cancel and Save are located at the bottom of the window.

6. Click on Save.

For more information on SE Group Scoping in NSX-T Cloud, refer to the [Avi NSX-T Integration](#) article.

Document Revision History

Date	Change Summary
December 22, 2020	Published the content for Multiple vCenters per NSX-T Cloud (Version 20.1.3)