

## Commit Template Modifications


 For supported software information, click [here](#).

When you change the configuration in an existing configuration or service template, you must commit the changes so that the new configuration is deployed on the associated devices. You can commit all changes, and you can merge the changes into the existing configuration.

In Releases 22.1.1 and later, you can apply an individual template to a device instead of applying all the latest templates to the device. You can also disassociate an individual template from a device while retaining the remaining templates.

## Commit a Modified Template

To commit a modified template:

1. In Director view, select the Administration tab in the top menu bar.
2. Select Appliances in the left menu bar.
3. In the Status column in the main pane, check whether Reachability is  green and Service is Up. If the device is not reachable or if the service is not up, the commit may not succeed.

VERSA

by cisco

Director View

Appliance View

Template View

Monitor

Configuration

Workflows

Administration

Analytics

You are currently in Director View

Export All Records

Export

Organizations

Appliances

Connectors

System

VMS Services

Scheduled Tasks

Notification Configuration

Entitlement Manager

Director User Management

Inventory

SDWAN

Support

Search

Appliance Tags

4. Click Commit Template.

The screenshot shows the Versa Networks Director View Administration page. The left sidebar contains a navigation menu with categories like Connectors, System, VMS Services, Scheduled Tasks, Notification Configuration, Entitlement Manager, Director User Management, Inventory, SDWAN, and Support. The main area displays a table of appliances with columns for Name, Mgmt. Address, Tags, Type, Service Start Time, Software Versio, Organizations, and Status. The status sub-columns are Config Sync, Reachability, Service, and Locked. A 'Commit Template' button is highlighted in the top right corner.

Name	Mgmt. Address	Tags	Type	Service Start Time	Software Versio	Organizations	Config Sync	Reachability	Service	Locked
New-SD-WAN-Branch-1	10.0.0.4		Branch	Mon, Apr 17 2023, 18:05	22.1.1-GA	Tenant1			Up	
SDWAN-Branch2	10.0.0.14	SJCCA	Branch	Tue, Oct 03 2023, 17:02	22.2.1-GA - W...	Tenant2,Tenant3,Tena...	Unknown		Unknown	
SDWAN-Branch3	10.0.0.10	CA	Branch	Wed, May 17 2023, 15:42	22.1.2-GA	Tenant1			Up	
SDWAN-Branch4	10.0.0.16	MT	Branch	Tue, Oct 10 2023, 12:58	22.1.3-GA	Tenant2,Tenant3,Tena...			Up	
SDWAN-Branch5	10.0.0.8		Branch	Tue, Aug 15 2023, 04:50	22.1.3-GA	Tenant2,Tenant3,Tena...			Up	
SDWAN-Controller1	10.48.150.11		Controller	Wed, May 17 2023, 15:58	22.1.2-GA	Tenant2,Tenant3,Tena...			Up	
SDWAN-Controller2	10.48.150.12		Controller	Mon, Mar 13 2023, 16:47	21.3.1-GA	Tenant2,Tenant3,Tena...			Up	

5. In the Commit Template To Select Devices window, select which templates to commit to which devices. You can select either All the Associated Templates or Only Selected Templates. Some of the fields will change depending on which option you select. The All the Associated Templates option is selected by default.
  - a. To commit all the templates associated with the device, click All the Associated Templates, and then enter information for the following fields.

The screenshot shows the 'Commit Template To Select Devices' dialog box. It has two radio buttons: 'All the Associated Templates' (selected) and 'Only Selected Templates'. Below these are fields for 'Organization' (a dropdown menu), 'Auto Merge' (radio button), 'Overwrite' (radio button, selected), and 'Reboot after commit' (checkbox). There is also a 'Fetch Devices' button. The main section is titled 'Select Devices (0)' and contains a search bar and a table with columns: Devices, Device Type, Template State, Appliance State, Device Modified, Differences, and Association. The table is currently empty with the text 'No Record Added'.


Field	Description
All the Associated Templates	(For Releases 22.1.1 and later.) Click to commit all the templates for the device or devices.
Organization (Required)	Select the organization to which to apply the template.

Field	Description
Select Devices By (Required)	<p>Select where to commit the changes, and then select the template, device group, or device:</p> <ul style="list-style-type: none"> <li>▪ Device Group</li> <li>▪ Search for a Device</li> <li>▪ Service Template</li> <li>▪ Template</li> </ul>
Select Option	<p>Select an option:</p> <ul style="list-style-type: none"> <li>▪ If you Select Devices By Device Group, select a device group to which to apply the revised template.</li> <li>▪ If you Search for a Device, select one or more devices to which to apply the revised template.</li> <li>▪ If you Select Devices By Service Template, select a configured service template on which to apply the revised template.</li> <li>▪ If you Select Devices By Template, select a configured configuration template on which to apply the revised template.</li> </ul>
Automerge	Click to merge the configuration changes with the existing configuration in the template.
Overwrite	Click to overwrite the existing configuration with the changes.
Reboot After Commit	Click to reboot the Versa Operating System™ (VOS™) devices after template is committed.
Fetch Devices	Click to display a list of the VOS devices associated with the selected organization. You can select individual devices to which to apply the template.

- b. To commit all selected templates associated with the device, click Only Selected Templates, and then enter information for the following fields.

Field	Description
Only Selected Templates	(For Releases 22.1.1 and later.) Click, and then select individual templates to associate with or disassociate from the device.
Associate Templates	(For Releases 22.1.1 and later.) Select to associate one or more individual templates with a device.
Disassociate Templates	(For Releases 22.1.1 and later.) Select to disassociate one or more individual templates from a device.
Organization (Required)	Select the organization to which to apply the template.
Select Devices By (Required)	Select where to commit the changes, and then select the template, device group, or device: <ul style="list-style-type: none"> <li>Service template</li> <li>Template (configuration template). Note that this option is available only if you are associating templates.</li> </ul>
Select Option	Select an option: <ul style="list-style-type: none"> <li>If you Select Devices By Service Template,</li> </ul>

Field	Description
	<p>select one or more configured service templates on which to apply the revised template to use.</p> <ul style="list-style-type: none"> <li>If you Select Devices By Template, select one or more configured configuration templates on which to apply the revised template. Note that this option is available only if you are associating templates.</li> </ul>
Reboot After Commit	Click to reboot the Versa Operating System™ (VOS™) devices after template is committed.
Add Filter	Click to filter based on the options you chose in the Select Option field. The selected options display under Selected Templates.
Fetch Devices	Not applicable.

- In the Differences column, click the  Eye icon to review the configuration changes. The Diff View popup window displays the differences between the existing configuration and the new configuration.



- Click Cancel to close the Diff View popup window.
- Click Review. The Commit Template to Devices Review window displays.

Commit Template To Devices Review

Please review your devices before you commit template.

Search

<input checked="" type="checkbox"/>	Devices	Device Type	Template State	Appliance State	Device Modified	Differences	Association
<input checked="" type="checkbox"/>	Branch-21-3	branch			No		

Back

Commit

Schedule & Commit

9. Click Commit to commit the template changes.
10. To schedule the commit for a later date or time, click Schedule & Commit. In the Schedule Your Commit popup window, set the schedule.

Schedule Your Commit

You can schedule to commit your templates at a later date.

Schedule Time

2022-04-27, 17:51:03

☐ Retry on Device Unreachable

OK

11. Click OK.

## Merge Templates

Normally, you create a baseline configuration for VOS devices by creating a template using the screens on the Versa Director Workflows tab. You can change the configuration in a template from the Workflows tab, the Configuration tab, or the CLI. After you make the changes, you merge them back into the template that you created with Workflows. There are two ways to merge the changes back into the template:

- Automatic merge—Merge all configuration changes into the template. This is the default merging style. It is recommended that you use automatic merging to minimize the time required to change device configurations and to reduce the chances for configuration errors.

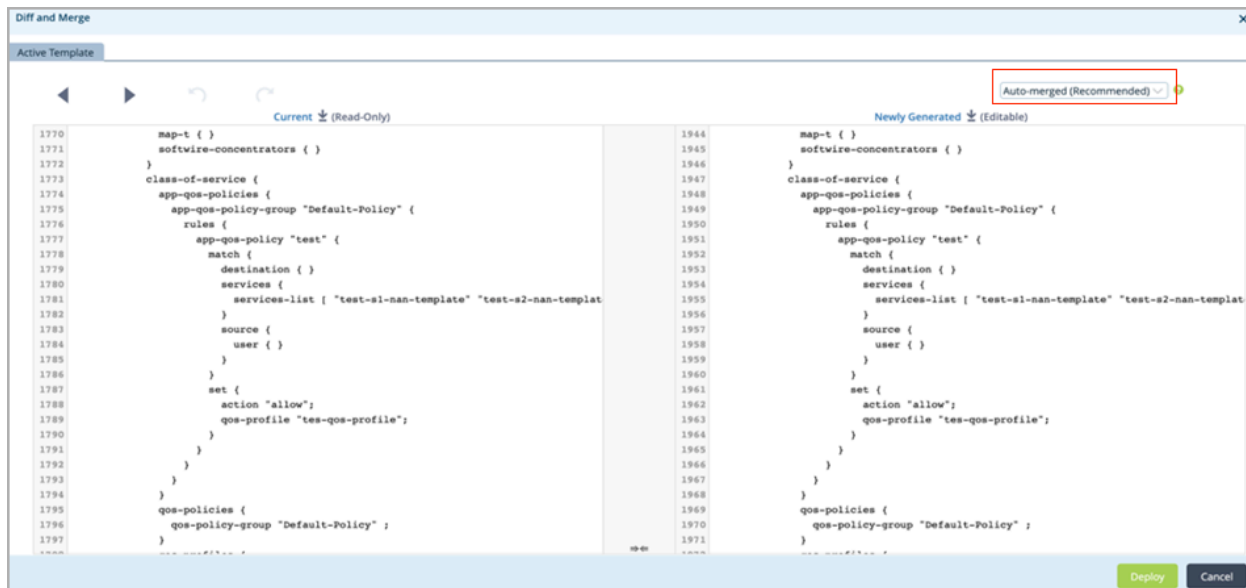
- Manual merge—You individually select which configuration changes to incorporate into the template. Use this merging style when you want to selectively add configuration changes to a template. However, you must ensure that you apply the changes correctly so that you do not introduce errors into the device configurations.

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## Automatically Merge Configuration Changes

To automatically merge configuration changes into a template that you created with Workflows:

1. Log in to Versa Director.
2. Make the desired configuration changes to the template from the Director Workflows or Director Configuration tab, or from the CLI.
3. Deploy the configuration changes. You can do this in one of the following ways:
  - In the Configuration or Workflows tab, click Commit Template.
  - In the Versa Director Workflow, click Redeploy. The Diff and Merge popup displays. The left side of the popup shows the current configuration, and the right side shows the newly generated configuration.
4. In the merge-mode box, ensure that the Automerged (Recommended) option is selected. This is the default option.



5. Click Deploy to push the configuration changes to all VOS devices that are using the template.

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## Manually Merge Configuration Changes

To manually merge configuration changes into a template that you created with Workflows:

1. Log in to Versa Director.
2. Make the desired configuration changes to the template on the Versa Director Workflows tab, on the Versa Director Configuration tab, or from the CLI.
3. Deploy the configuration changes. You can do this in one of the following ways:

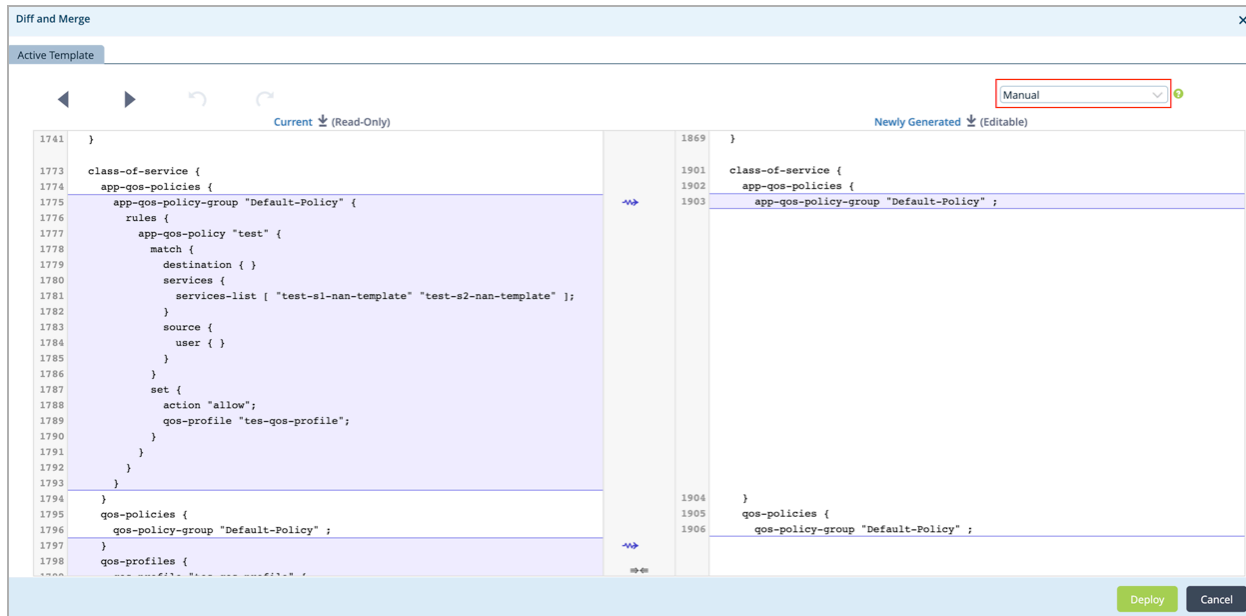
[https://docs.versa-networks.com/Secure\\_SD-WAN/01\\_Configuration\\_from\\_Director/SD-WAN\\_Configuration/Basic\\_SD-WAN\\_...](https://docs.versa-networks.com/Secure_SD-WAN/01_Configuration_from_Director/SD-WAN_Configuration/Basic_SD-WAN_...)

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- In the Configuration or Workflows tab, click Commit Template.
- In the Versa Director Workflow, click Redeploy. The Diff and Merge popup window displays. The left side of the popup window shows the current configuration, and the right side shows the newly generated configuration.

4. In the merge-mode box, select Manual.



5. Review the configuration changes.
6. To add a configuration block to the template, select the configuration block in the Current box and then click the right arrow to move the configuration block to the Newly Generated box. You can also drag the configuration block to the right, to the Newly Generated box.
7. Click Deploy to push the configuration changes to all VOS devices that are using the template.

## Encrypt Sensitive Information

*For Releases 21.1.1 and later.*

Director nodes encrypt all sensitive information in configurations before pushing them to VOS devices. This sensitive information includes IPsec preshared keys (PSKs), the LDAP server profile bind password, the OSPF authentication key (for the simple password type), and the passwords for local database users and user-authentication users. This sensitive information is also encrypted on the Director node itself.

To disable encryption of sensitive information, issue the **set system settings encrypt-data enable-encrypting-sensitive-info false** CLI command.

To enable encryption of sensitive information, issue the **set system settings encrypt-data enable-encrypting-sensitive-info true** CLI command.



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## Supported Software Information

Releases 20.2 and later support all content described in this article, except:

- Release 21.1.1 supports encryption of sensitive information.
- Release 22.1.1 supports applying and disassociating individual templates to a device.

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## Additional Information

[Configure Basic Features](#)