
Manage Template Snapshots

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

Versa Director allows you to take and save the snapshot of a template. When you change and deploy an existing template, a snapshot is taken and saved automatically. Versa Director saves a maximum of ten snapshots for a single template.

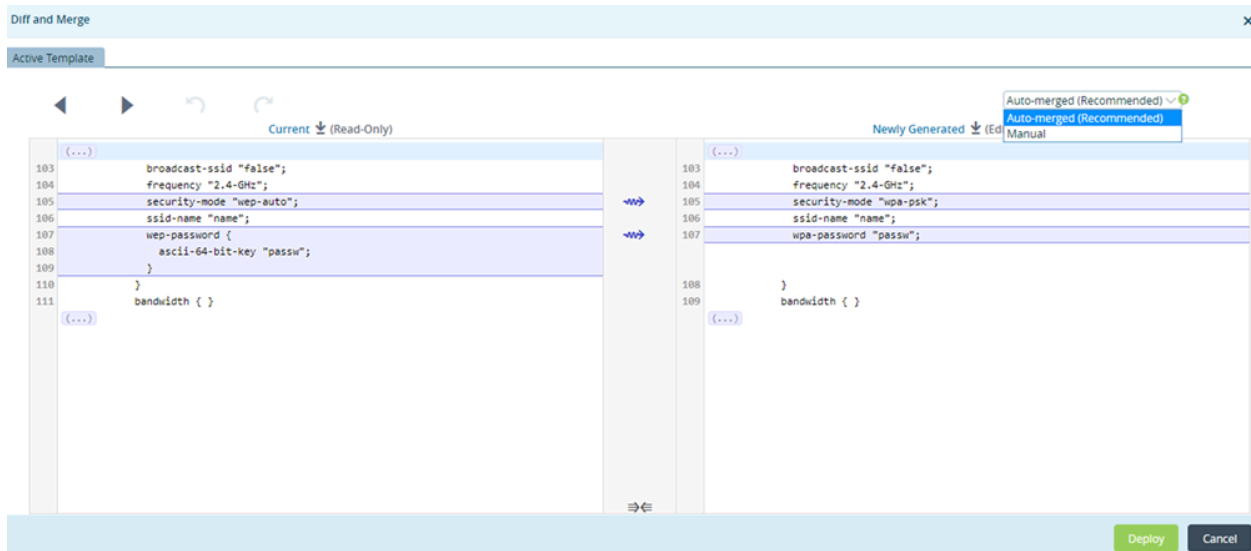
You can compare the snapshot of a previous template with the state of the current template, and you can restore an old snapshot.

This article discusses how to manage template snapshots.

Modify a Template and View its Snapshot

To modify a template and view its snapshot:

1. In Director view, select the Workflows tab in the top menu bar.
2. Select Templates > Device Templates.
3. Select the template you want to modify.
4. Make the desired changes to the template.
5. Click Recreate. The Diff and Merge window displays. This window shows the differences between the current template and the newly generated template.

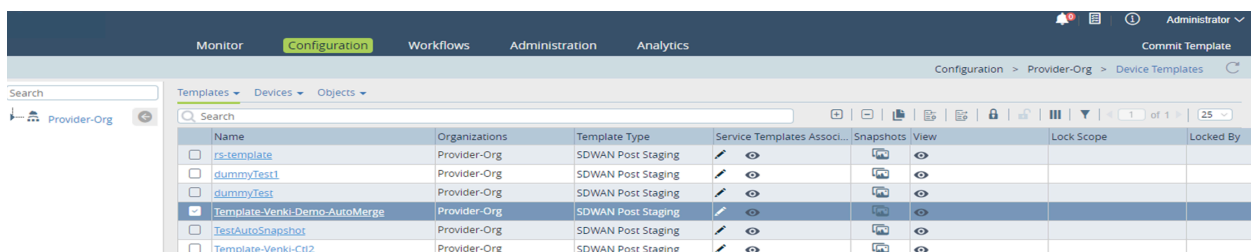


6. Merge the template changes into the Newly Generated template. To do this automatically, select Auto-merged in the drop-down menu on the right side of the window. This is the recommended method. You can also merge the changes automatically.
7. Click Deploy. When you do so, a snapshot is created of the state of the previous version template.
8. In the top menu bar, select the Configuration tab, and then in the left menu bar, select Templates > Device Templates.
9. Select the template you deployed in Step 7.
10. In the left menu bar, select Others > Config Snapshots. The window displays the snapshots that have been created for the template.

Compare the Current Template with a Previous Template


To compare the current template with a previous version of the template using the snapshot of an old template:

1. In Director view, select the Configuration tab in the top menu bar.
2. Select Templates > Device Templates.
3. Click the template whose snapshots you want to view. The Appliance view displays.



4. In the left menu bar, select Others > Config Snapshots. The dashboard displays all the snapshots for the template.

Name	Type	Device	Auto	Created On
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Thu, Apr 25 2019, 16:27
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Thu, Apr 25 2019, 16:30
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Mon, Apr 29 2019, 17:10
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Mon, Apr 29 2019, 17:10
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Sat, May 04 2019, 22:37
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 01:20
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 01:26
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 02:21
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 02:40
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 02:52

5. Select the template snapshot that you want to compare with the current template and click the  Compare icon.

Name	Type	Device	Auto	Created On
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Thu, Apr 25 2019, 16:27
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Thu, Apr 25 2019, 16:30
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Mon, Apr 29 2019, 17:10
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Mon, Apr 29 2019, 17:10
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Sat, May 04 2019, 22:37
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 01:20
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 01:26
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 02:21
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 02:40
Template-Venki-Demo-AutoMerge-201...	template	Template-Venki-Demo-AutoMerge	true	Fri, May 17 2019, 02:52

The Compare Details window opens and displays the difference between the two templates.

```


devices {
  template Template-Venki-Demo-AutoMerge {
    config {
      orgs {
        org-services Provider-Org {
          leaf {
            collectors {
              collector LEF-Collector-log_collector1 {
                - destination-address 10.0.192.1;
                + destination-address 10.0.192.2;
              }
            }
          }
        }
      }
    }
  }
}
  
```

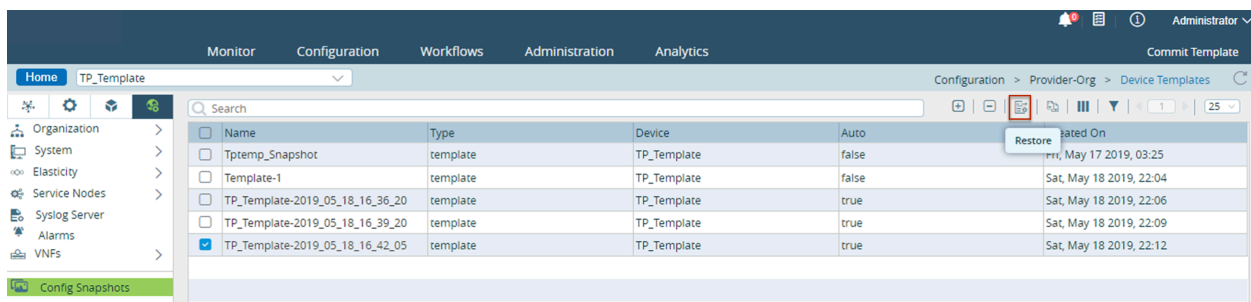
If you recreated a template without changing any configuration parameters, a comparison of two templates shows that no changes were made.



Restore a Previous Template from a Snapshot

To restore a previous version of a template from its snapshot:

1. In Director view, select the Configuration tab in the top menu bar.
2. Select Templates > Device Templates.
3. Click the template you want to replace with a previous template version.
4. Select Others  > Config Snapshots in the left menu bar. The dashboard displays all the snapshots for the template.
5. Select the snapshot that you want to replace the current template and click the Restore icon.



Lock a Template or Device

Resource locking allows you to prevent other users from making changes to the configuration of a resource until the completion of certain activities. The resource is unlocked and recovered for other users only after completion of the activity.

Versa Director allows resource locking at the device and template level. An owner is a user who has locked the resource.

https://docs.versa-networks.com/Management_and_Orchestration/Versa_Director/Configuration/manage_template_snapshots

Updated: Thu, 24 Oct 2024 10:45:52 GMT

Copyright © 2024, Versa Networks, Inc.

A resource lock consists of two modes:

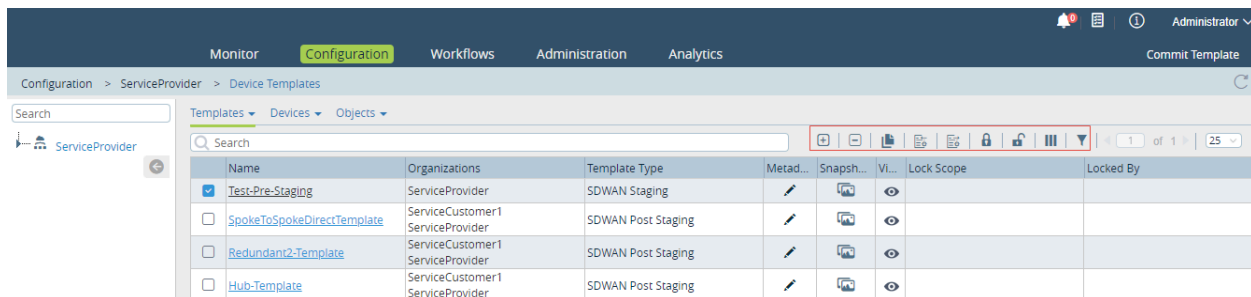
- All users are locked including the owner—The resource is locked and no change is allowed on the resource. Not even by the owner. This is mostly used when you do not want any change in the system until a critical situation is addressed.
- All users except the owner are locked—You (the resource owner) can make changes but not the others. This is used when you are in the process of making a critical change and do not want other users to make changes that interfere with the resource configuration.

Note: Resource locking is persistent and is applicable even on a system restart and across user sessions.

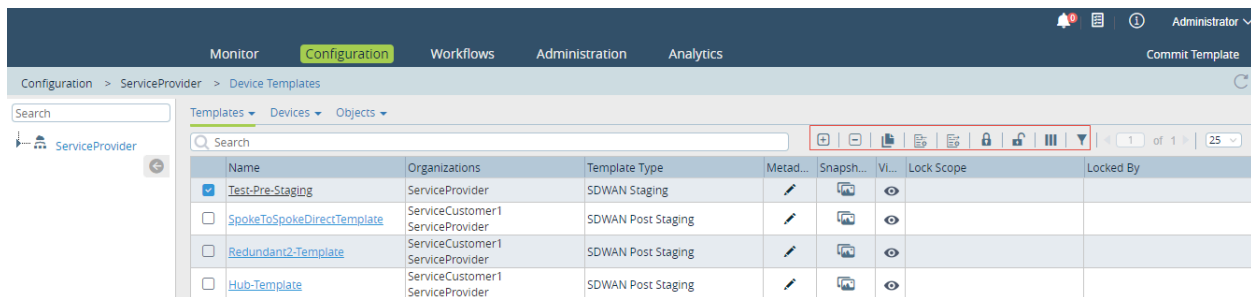
Any attempt to apply a template on the device is rejected on a locked device. You cannot modify the contents of the template when it is locked but you can always re-apply the template to a device. This allows the reuse of the template for an application and prevent any changes to the original template.


To lock a device or template:

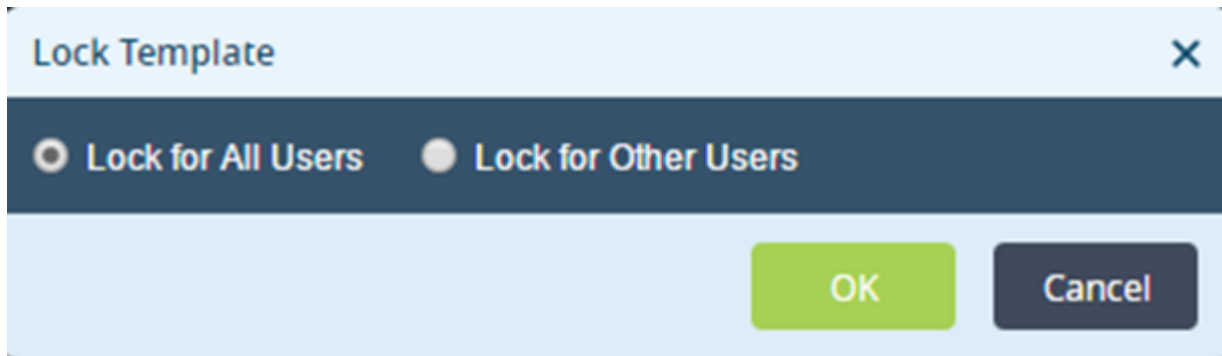
1. Go to the Configuration tab and select the template/device for which you have created a snapshot.



2. Selecting the template enables the lock, unlock, and a few other options.



3. Select the template and click on the  Lock icon to lock the snapshot and prevent other users from making changes to it. This opens the Lock Template window that prompts you to select an option to lock the template.



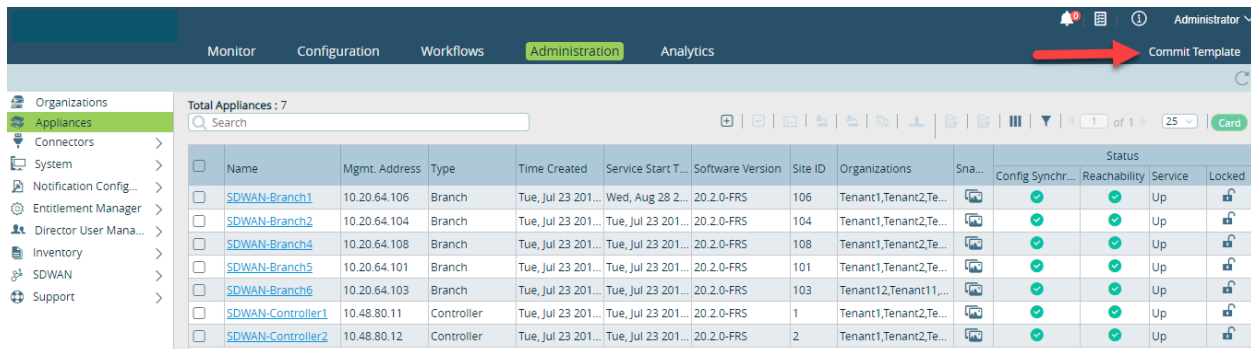
4. Select the desired locking mode and click OK to lock the template/device.

Apply Template or Service Template Changes to VOS Devices

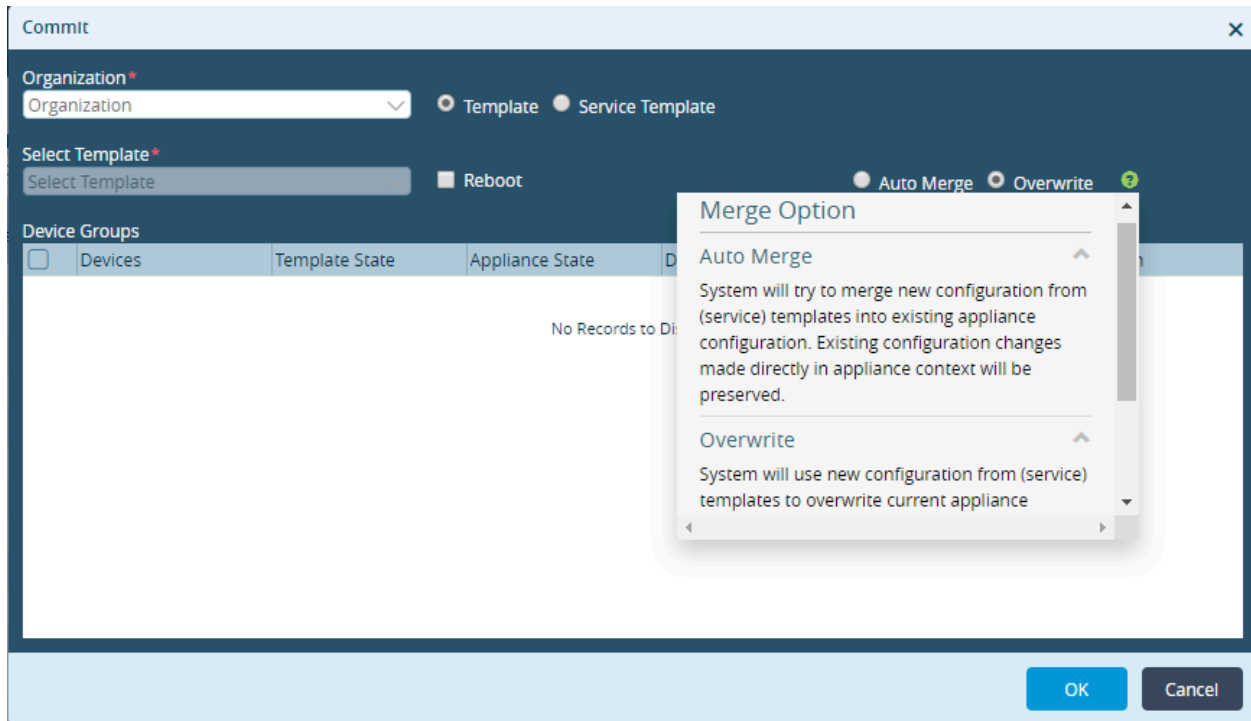
If you make changes to a template or service template on a Versa Operating System™ (VOS™) device, you can push these changes to VOS device using the Commit Template option.

To apply template or service template changes to a VOS device:

1. In Director view, click Commit Template.



2. In the Commit popup window, enter information for the following fields.



Field	Description
Organization	Select the organization.
Select Template	Select the template associated with the organization.
◦ Template	Select to apply a template. This is the default.
◦ Service Template	Select to apply a service template
Auto Merge	Attempt to automatically merge the new configuration from the template or service template into existing configuration. If existing configuration changes were made directly in the VOS device, the VOS device configuration changes are preserved.
Overwrite	Use the new configuration in the template or service template to overwrite the current VOS device configuration. If existing configuration changes were made directly in the VOS device, they are not preserved.
Reboot	After the template or service template changes are applied on the VOS device, select this option to reboot the device.

3. To apply the modified service template to the devices:

- Select the organization and template.
- Select either Auto Merge or Overwrite.
- Click Reboot.
- Click OK.

Commit

Organization*
provider-org

Template
Service Template

Select Template*
test-yin

Reboot

Auto Merge
Overwrite

Device Groups

	Devices	Template State	Appliance State	Device Modified	Diff	Association
	Multi_Tenant_Group_url					
	SDWAN-Branch2	OUT_OF_SYNC	IN_SYNC			
	SDWAN-Branch1	OUT_OF_SYNC	IN_SYNC			
	SDWAN-Branch4	OUT_OF_SYNC	IN_SYNC			

OK
Cancel

- Ensure that the Appliance State is IN_SYNC with the Director node. If it is synchronized, the template modification is complete. If it is not, the Out of Sync Appliances popup window displays. To fix the issue, continue with Steps 5 and 6.

Commit

Organization*
provider-org

Select Template*
Multi_Tenant_PostStaging_Branch5

Device Groups



	Devices	Temp	Appliance State	Device Modified	Diff	Association
	Multi_Tenant_Branch5_group					
	SDWAN-Branch5	OUT_OF_SYNC	UNKNOWN			

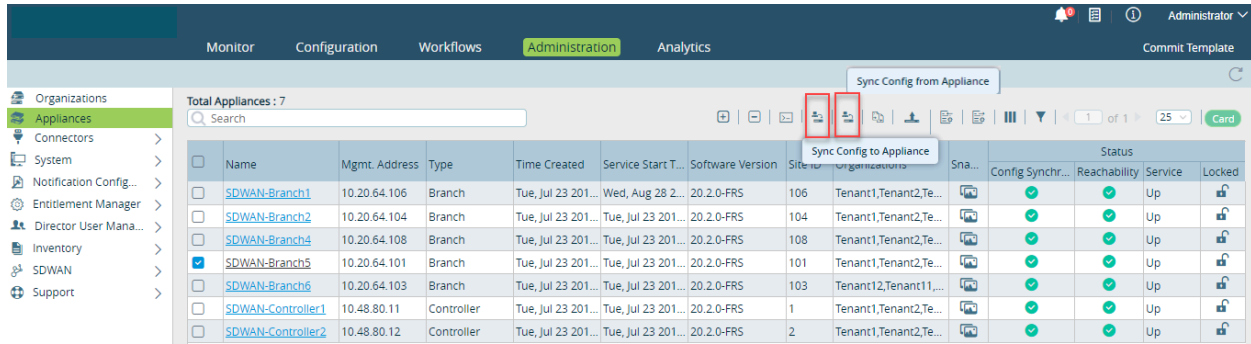
OK
Cancel


Out Sync Appliances

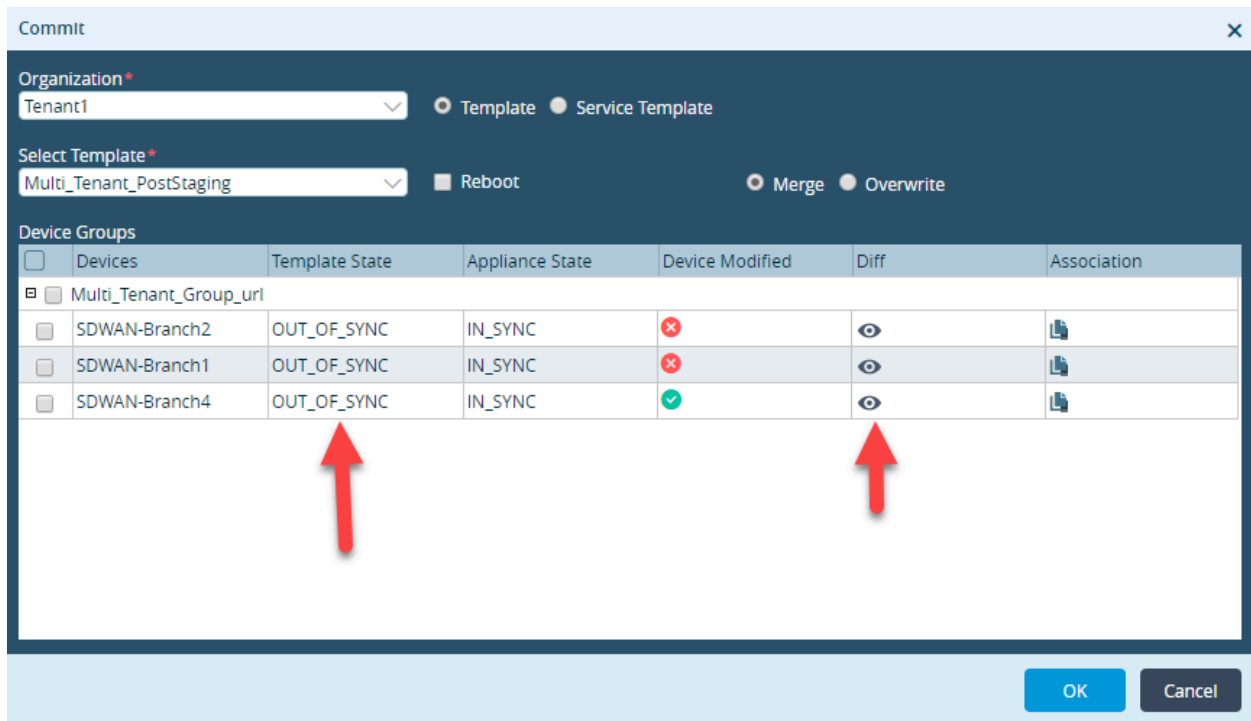
Following appliances are out of configuration sync with the Director.
Please perform sync-to or sync-from in the appliances listing page for these appliances.
1. SDWAN-Branch5

OK

- In the Appliances page, click the Sync Config to Appliance  icon or the Sync Config from Appliance  for the out-of-sync VOS device.



- Click the  Diff icon. If there are no differences between the template and appliance, the Template State changes to IN_SYNC, which means VOS device's template has been modified successfully.



Supported Software Information

Releases 20.2 and later support all content described in this article.