



# **Check resources for template compliance**

## **Cloud Manager**

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July 15, 2021

This PDF was generated from [https://docs.netapp.com/us-en/occm/task\\_check\\_template\\_compliance.html](https://docs.netapp.com/us-en/occm/task_check_template_compliance.html) on July 20, 2021. Always check docs.netapp.com for the latest.

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# Check resources for template compliance

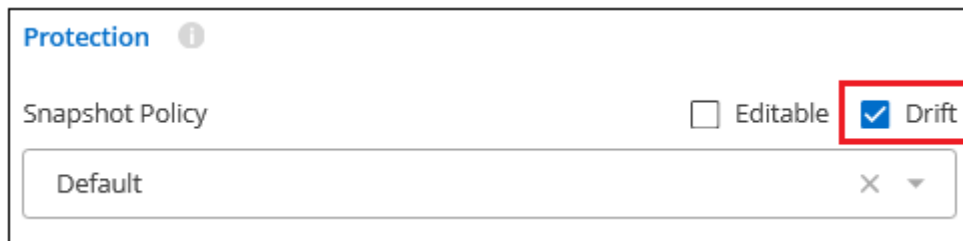
Cloud Manager can monitor the parameter values used when a resource was created with a template using the "drift" feature. Drift identifies resources that have been changed and that are no longer compliant with the template settings.

At this time, drift identifies the changed parameters in a resource — you must manually make adjustments to the resource to bring it back into compliance with the template.

## How does drift work

Drift identifies non-compliant parameters like this:

1. When creating a template, you turn drift on for certain parameters that you do not want users to change. For example, you may require that Snapshot copies are created using the "Default" policy for all volumes created from a template.

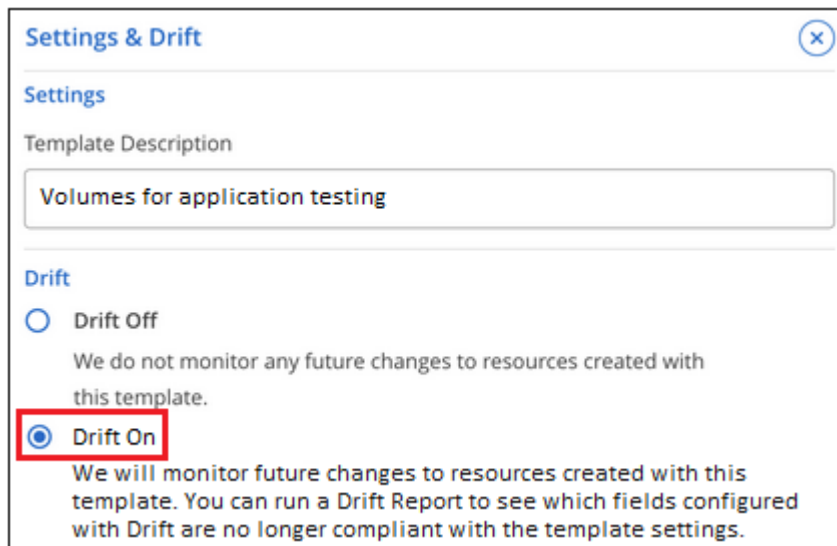


**Protection** ⓘ

Snapshot Policy ☐ Editable ☒ **Drift**

Default X ▾

2. You turn drift on for the template, and then save the template.



**Settings & Drift** ⓘ

**Settings**

Template Description

Volumes for application testing

**Drift**

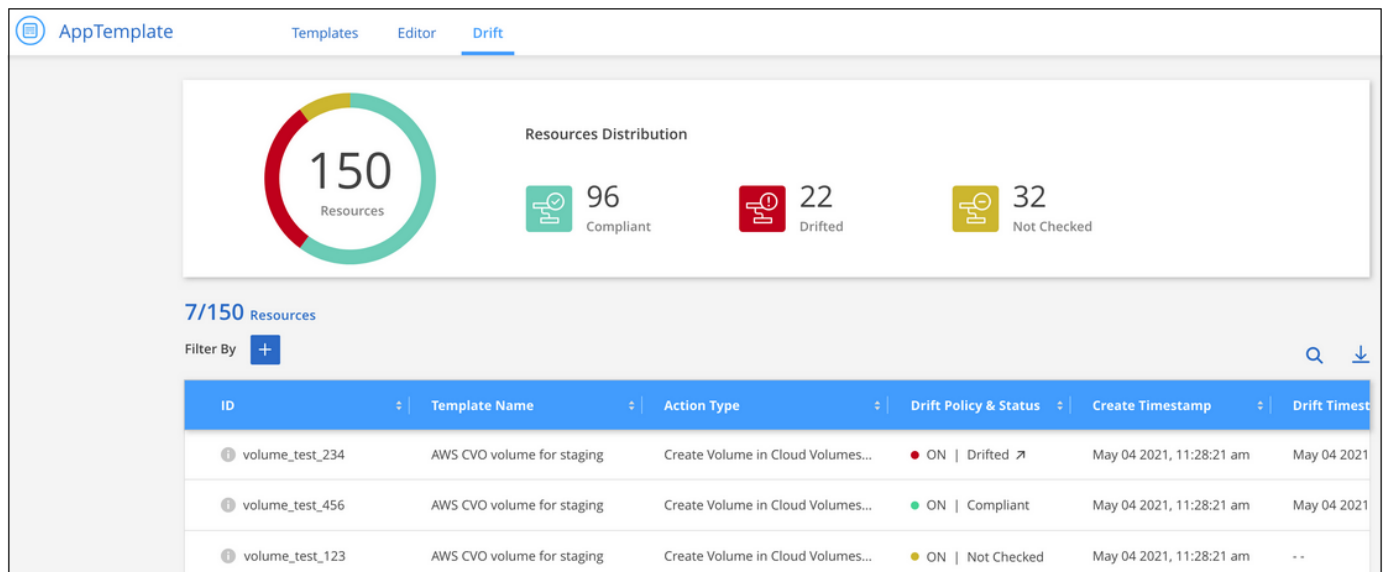
☐ Drift Off  
We do not monitor any future changes to resources created with this template.

☒ **Drift On**  
We will monitor future changes to resources created with this template. You can run a Drift Report to see which fields configured with Drift are no longer compliant with the template settings.

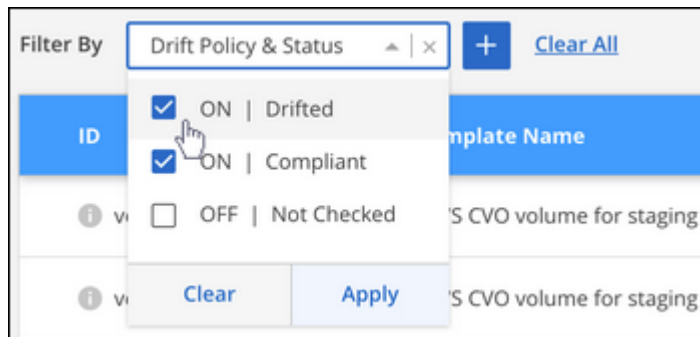
3. Storage admins run the template to create volumes.
4. Later, a storage admin edits a volume and disables Snapshot copies.
5. You run drift checking on all templates, and the AppTemplates service compares the Snapshot copies template setting to the current setting in the volume. Any non-compliant values are flagged so you can fix the incorrect setting.

# The Drift Dashboard

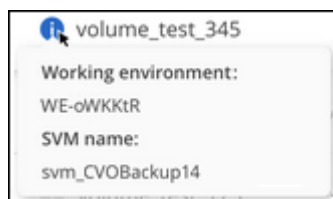
The Drift Dashboard shows the total number of resources (for example, volumes) that have been created using your templates, the number that are still compliant with the template, the number that are not compliant (drifted), and the number that were created with Drift disabled.



- The controls at the top of each column allow you to sort the results in numerical or alphabetical order.
- The + enables you to filter the results by Template Name, Drift Policy & Status, and Action Type. For example:



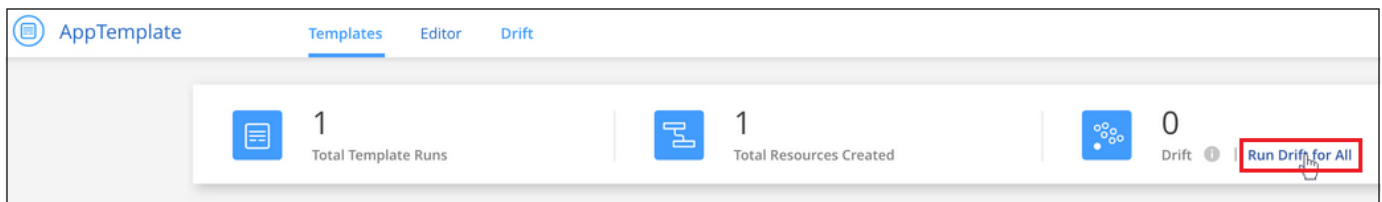
- The search bar enables you to search for a specific volume name or template name.
- To find out more details about the actual resource (or volume), such as the working environment and storage VM, you can click the i.



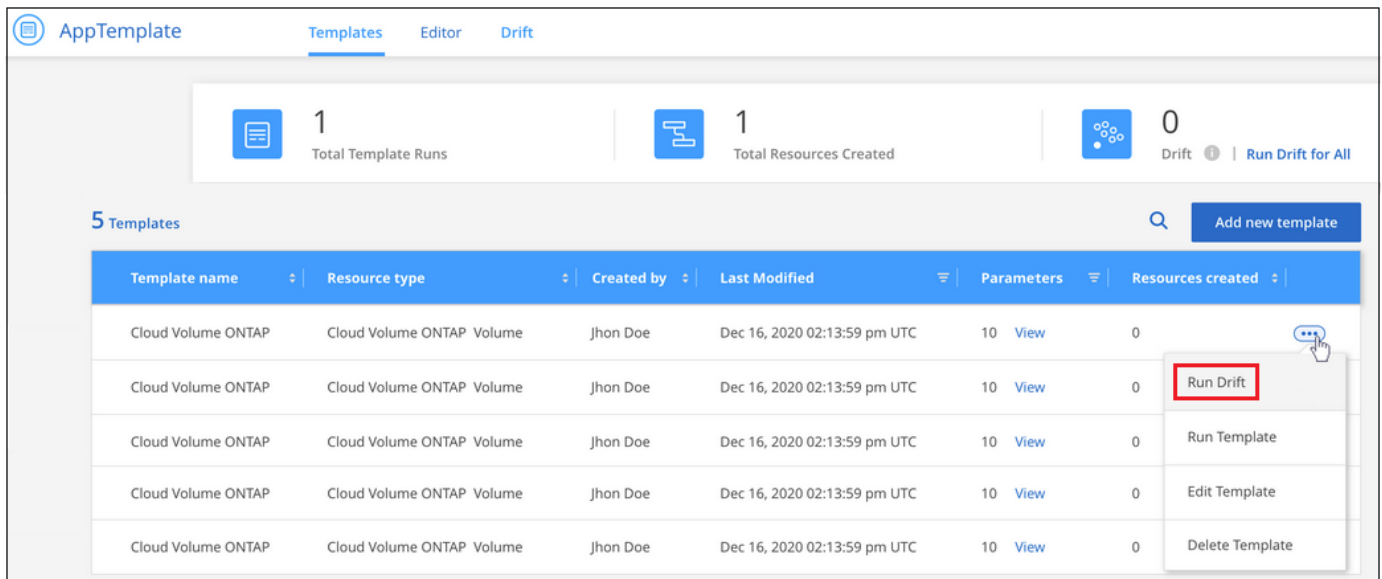
# Populate the Drift Dashboard

You must run drift checking on a template before it populates the values in the Drift Dashboard.

You can run drift checking for all templates from the Templates Dashboard:



You can run drift checking on a single template from the Templates Dashboard:



## Create a drift report for non-compliant resources

You can view a drift report for a single resource, or run a report to download a report for all resources. Using this report you can assign actions to system admins to make changes that bring the resources back into compliance with the template.

You can click the Drift icon for a resource in the Drift Dashboard to view a list of the parameters in each resource that is non-compliant.

7/150 Resources

Filter By 

+

Q

↓


ID	Template Name	Action Type	Drift Policy & Status	Create Timestamp	Drift Timestamp
volume_test_234	AWS CVO volume for staging	Create Volume in Cloud Volumes...	ON   Drifted ↗	May 04 2021, 11:28:21 am	May 04 2021
volume_test_234	AWS CVO volume for staging	Create Volume in Cloud Volumes...	ON   Drifted ↗	May 04 2021, 11:28:21 am	May 04 2021
volume_test_345	AWS CVO volume				2021

Resource Differences

volume\_test\_345

Property	Change	Expected Value	Current Value
Size	⊗ Not Equal	50	100
Storage efficiency	⊗ Not Equal	True	False
Tiering policy	⊗ Removed	None	--
Provider volume type	⊗ Not Equal	GP2	GP3

Close

To view a drift report for resources that have been created from your templates, click  to download a .CSV file. The drift report reflects what is currently filtered on the page - it does not show all resources unless you haven't applied any filters on the page.

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