Module 10: Cluster Maintenance

Exercise 1: Installing and Configuring Active IQ Config Advisor

In this exercise, you install NetApp Active IQ Config Advisor and view its analysis of the clusters.

Objectives

This exercise focuses on enabling you to do the following:

- Install the Config Advisor tool
- Run Config Advisor reports to check the health of your NetApp ONTAP cluster
- Examine ONTAP cluster log files

Case Study

You have completed the integration of the Dwurgle Enterprises NetApp storage system into the Zarrot Industries IT environment. You believe that all the steps to align the NetApp system with Zarrot Industries norms and best practices have been completed. Install and run the Config Advisor tool to verify that the NetApp system conforms to the configuration best practices.

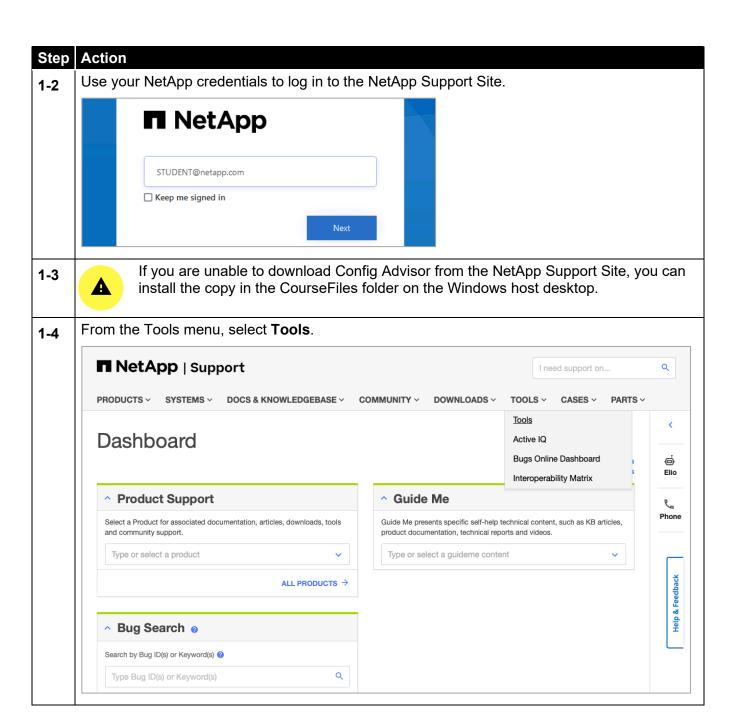
Lab Equipment

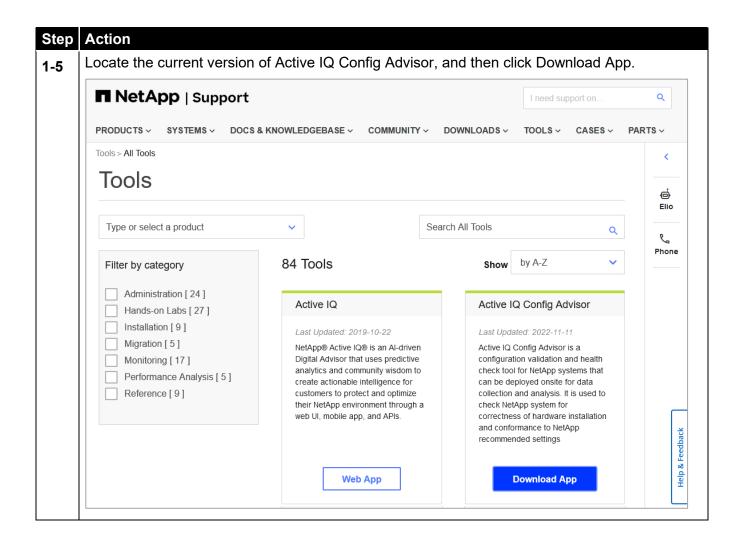
Use the following equipment to complete the exercise:

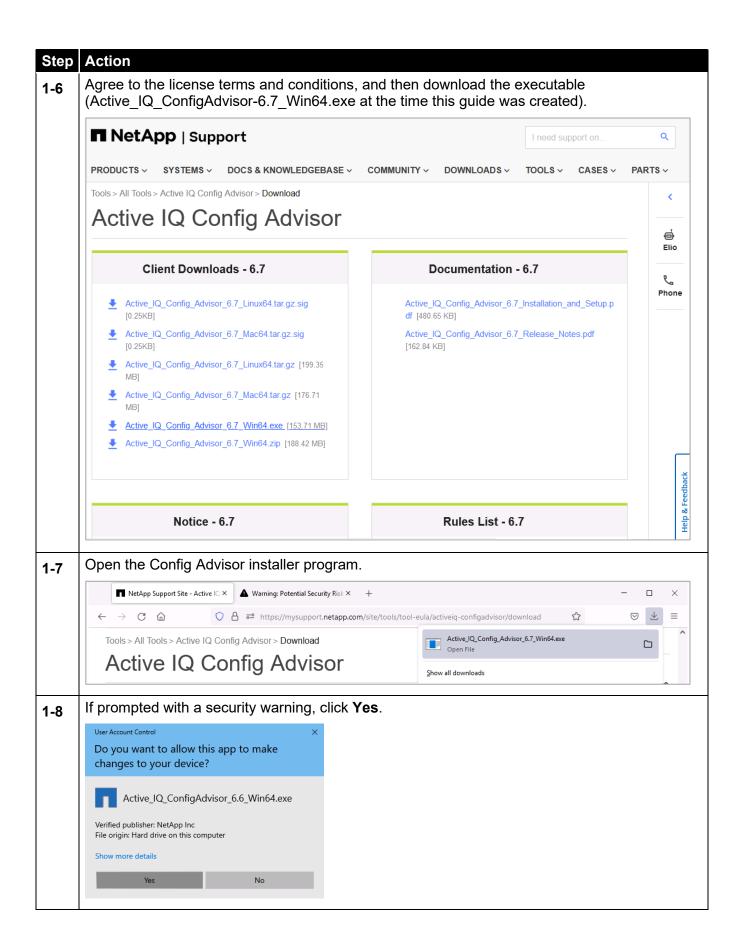
| System | Host Name | IP Addresses | User Name | Password |
|---|------------------|---------------|------------------------|----------|
| Windows Server | jumphost | 192.168.0.5 | DEMO\Administrator | Netapp1! |
| ONTAP cluster-management LIF (cluster1) | cluster1 | 192.168.0.101 | admin (case sensitive) | Netapp1! |
| ONTAP cluster-management LIF (cluster2) | cluster2 | 192.168.0.102 | admin (case sensitive) | Netapp1! |

Task 1: Install the Config Advisor Tool

| Step | Action |
|------|--|
| 1-1 | From your Windows jump host, open the Firefox web browser and go to the NetApp Support Site: |
| | https://mysupport.netapp.com |





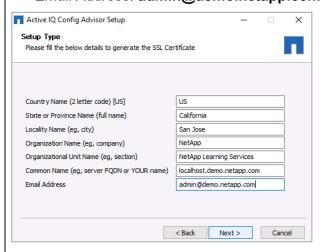




On the Active IQ Config Advisor installer program Welcome page, click Next.



- 1-10 Click I Agree to the license agreement.
- 1-11 Enter the following information needed to generate an SSL security certificate.
 - Country Name (2 letter code) [US]: US
 - State or Provence Name (full name): California
 - Locality Name (eg, City): San Jose
 - Organization Name (eg, company): NetApp
 - Organizational Unit Name (eg, section): NetApp Learning Services
 - Common Name (eg, server FQDN or YOUR name): localhost.demo.netapp.com
 - Email Address: admin@demo.netapp.com

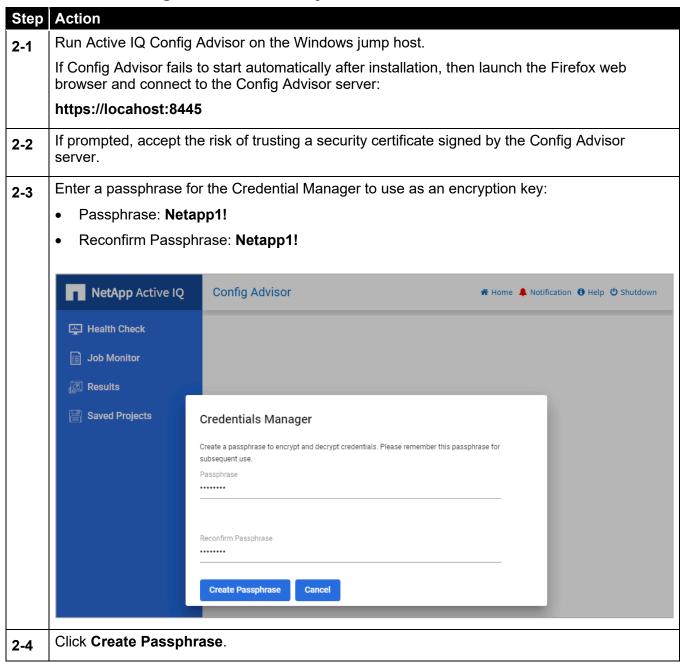


- 1-12 Click Next.
- 1-13 Click Install.
- 1-14 After the installation is completed, dismiss the README window, and then click **Finish** to close the Active IQ Config Advisor installer program.

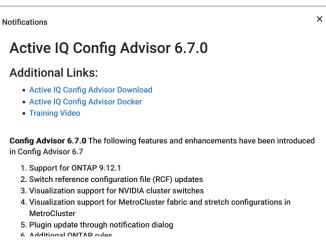
Step Action

1-15 The installer program automatically launches Active IQ Config Advisor.

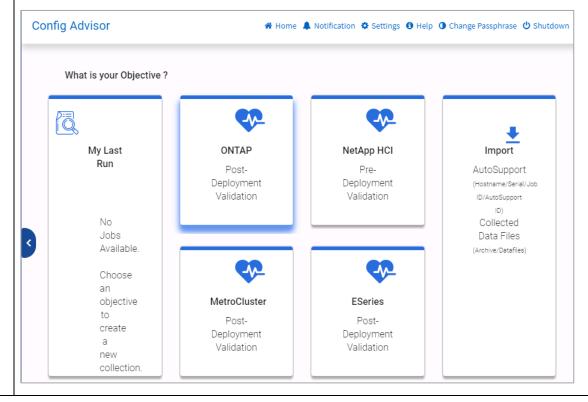
Task 2: Use Config Advisor to Verify Cluster Health

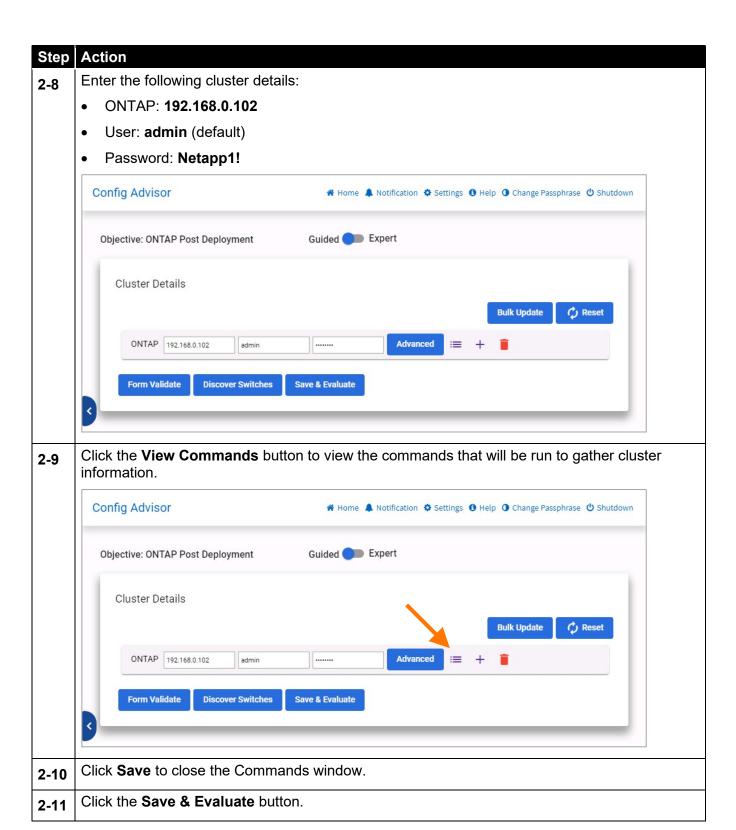






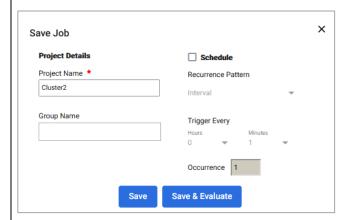
- When the Basic Settings page appears, click the **Cancel** button because you are not permanently setting up Config Advisor.
- On the Config Advisor Health Check tab, click the **ONTAP Post-Deployment Validation** pane to create a collection.



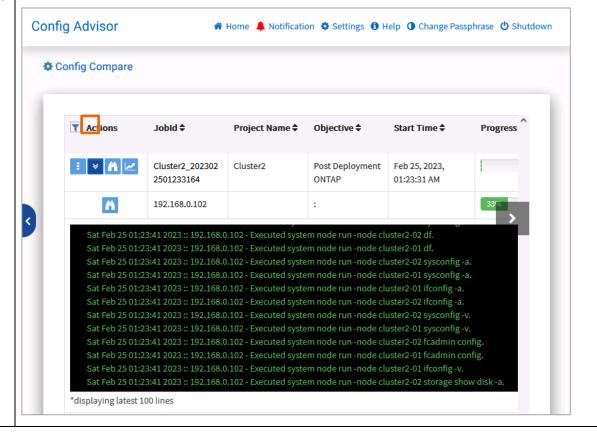




2-12 Name the project Cluster2, and then click the Save & Evaluate button.

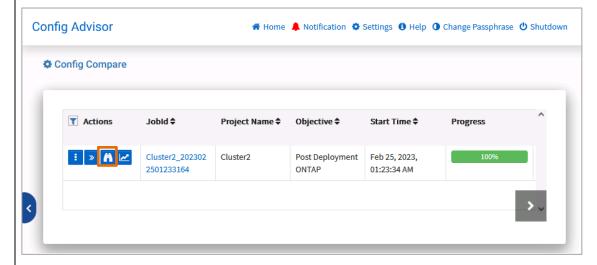


2-13 Click the chevron icon to view the progress of the data collection job.

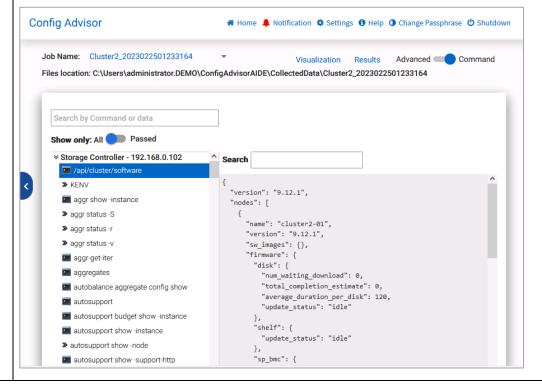


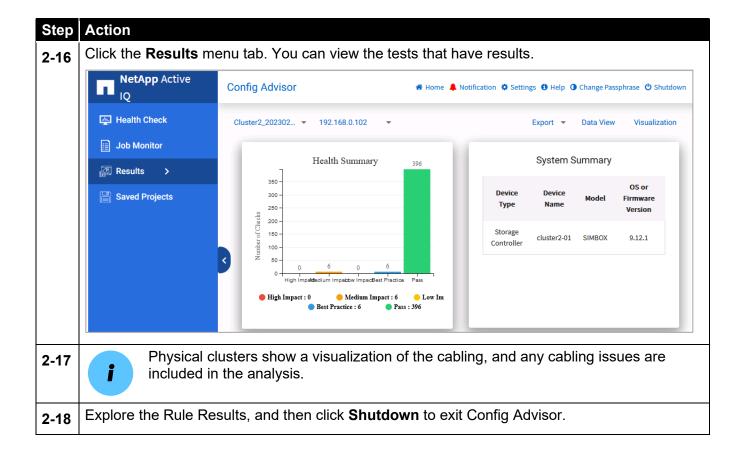


2-14 When the data collection is complete, click the binoculars icon to review the raw output from the CLI commands that were run.

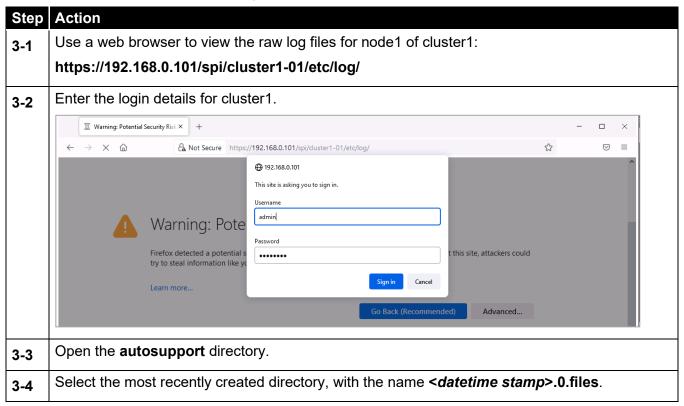


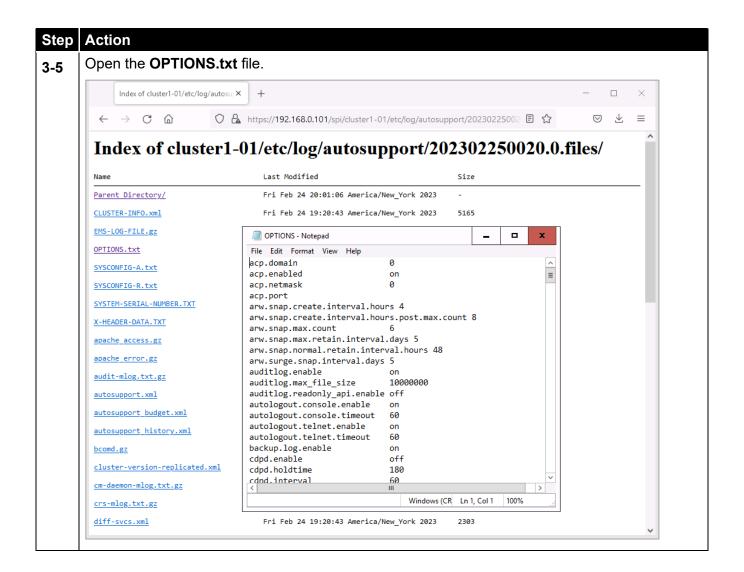
2-15 Explore the raw results of the data-gathering commands.





Task 3: Examine Cluster Log Files





Task 4: Change the Cluster Admin Password

| Step | Action |
|------|--|
| 4-1 | Open the PuTTY session to cluster1, and then log in. |
| 4-2 | Change the password to Netapp2!: security login password Sample output: Enter your current password: Netapp1! |
| | Enter a new password: Netapp2! Enter it again: Netapp2! |
| 4-3 | Do <i>not</i> log out. |
| 4-4 | Return to NetApp ONTAP System Manager for cluster1 , and then try to open any page. |
| 4-5 | Sign out of System Manager, and then log in with the new password. |

| Step | Action | | |
|------|---|--|--|
| 4-6 | Return to the PuTTY session and reset the password to Netapp1! | | |
| | You might need to use a creative solution. (You can choose to skip this step if you remember the password for the remainder of the course). | | |
| 4-7 | Open a second PuTTY session, and then verify that the new password works before closing the first session. | | |
| | As long as the session remains active, you can reset the password if you have difficulty logging in. | | |

End of exercise