Access ONTAP tools for VMware vSphere maintenance console

ONTAP tools for VMware vSphere 10

NetApp
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Table of Contents

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Learn about the ONTAP tools maintenance console

The maintenance console for ONTAP tools for VMware vSphere enables you to manage application, system, and network settings. You can update administrator and maintenance passwords, generate support bundles, configure log levels, manage TLS settings, and enable remote diagnostics.

After deploying ONTAP tools for VMware vSphere, if the maintenance console is not accessible, install the VMware tools from the vCenter Server. Log in using the `maint` username and the password set during deployment. Use **nano** to edit files in the maintenance or root login console.

> You should set a password for the `diag` user while enabling remote diagnostics.

You should use the **Summary** tab of your deployed ONTAP tools for VMware vSphere to access the maintenance console. When you select ▶, the maintenance console starts.

Console Menu	Options
Application Configuration	1. Display server status summary 2. Change LOG level for ONTAP tools services 3. Change cert validation flag
System Configuration	1. Reboot virtual machine 2. Shutdown virtual machine 3. Change 'maint' user password 4. Change time zone 5. Increase jail disk size (/jail) 6. Upgrade 7. Install VMware Tools
Network Configuration	1. Display IP address settings 2. Display domain name search settings 3. Change domain name search settings 4. Display static routes 5. Change static routes 6. Commit changes 7. Ping a host 8. Restore default settings

Support and Diagnostics	1. Access diagnostic shell 2. Enable remote diagnostic access 3. Provide vCenter credentials for backup 4. Take backup

Configure remote diagnostic access for ONTAP tools

You can configure ONTAP tools for VMware vSphere to enable SSH access for the diag user.

Before you begin

Enable the VASA Provider extension for your vCenter Server instance.

About this task

Using SSH to access the diag user account has the following limitations:

- you're allowed only one login account per activation of SSH.
- SSH access to the diag user account is disabled when one of the following happens:
  - The time expires.

    The login session expires at midnight the next day.
  - You log in as a diag user again using SSH.

Steps

1. From the vCenter Server, open a console to VASA Provider.
2. Log in as the maintenance user.
3. Enter `4` to select **Support and Diagnostics**.
4. Enter `2` to select **Enable remote diagnostics access**.
5. Enter `y` in the Confirmation dialog box to enable remote diagnostic access.
6. Enter a password for remote diagnostic access.

Start SSH on other ONTAP tools nodes

You need to start SSH on other nodes before you upgrade.

Before you begin

Enable the VASA Provider extension for your vCenter Server instance.

About this task

Repeat this procedure on each node before upgrading.

Steps

1. From the vCenter Server, open a console to VASA Provider.

2. Log in as the maintenance user.
3. Enter `4` to select Support and Diagnostics.
4. Enter `1` to select Access diagnostic shell.
5. Enter `y` to proceed.
6. Run the command *sudo systemctl restart ssh*.

Update vCenter Server credentials in ONTAP tools

You can update the vCenter Server instance credentials using the maintenance console.

Before you begin

You need to have maintenance user login credentials.

About this task

If you changed vCenter Server credentials after deployment, update them using this procedure.

Steps

1. From the vCenter Server, open a console to VASA Provider.
2. Log in as the maintenance user.
3. Enter `2` to select System Configuration Menu.
4. Enter `8` to change vCenter credentials.

Change certificate validation flag in ONTAP tools

By default, the certificate validation flag is enabled (set to true). You can set the ONTAP storage backend certificate validation flag to false if you need to bypass SAN certificate checks. This setting is not applicable to vCenter Server certificates.

Before you begin

You need to have maintenance user login credentials.

Steps

1. From the vCenter Server, open a console to ONTAP tools.
2. Log in as the maintenance user.
3. Enter `1` to select **Application Configuration** menu.
4. Enter `3` to change cert validation flag.

   The maintenance console shows the certificate validation flag status and prompts you to change it.

5. Enter 'y' to toggle the flag or 'n' to cancel.

When you enable the certificate validation flag (set to true), ONTAP tools checks that all storage backends use certificates with a Subject Alternative Name (SAN). If any backend uses a certificate without a SAN, you cannot enable certificate validation. Before enabling this flag, verify that all storage backends use SAN-based certificates. If you disable the certificate validation flag (set to false), ONTAP tools bypasses certificate validation for all configured storage backends.

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