Access ONTAP tools maintenance console

ONTAP tools for VMware vSphere 9.12

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Access ONTAP tools maintenance console

Overview of ONTAP tools maintenance console

You can manage your application, system, and network configurations by using the maintenance console of the ONTAP tools. You can change your administrator password and maintenance password. You can also generate support bundles, set different log levels, view and manage TLS configurations, and start remote diagnostics.

You must have installed VMware tools after deploying ONTAP tools to access the maintenance console. You should use `maint` as the user name and the password you configured during deployment to log in to the maintenance console of the ONTAP tools. You should use **nano** for editing the files in maint or root login console.

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

You should use the **Summary** tab of your deployed ONTAP tools to access the maintenance console. When you click , the maintenance console starts.

Console Menu	Options
Application Configuration	1. Display server status summary 2. Start Virtual Storage Console service 3. Stop Virtual Storage Console service 4. Start VASA Provider and SRA service 5. Stop VASA Provider and SRA service 6. Change 'administrator' user password 7. Re-generate certificates 8. Hard reset database 9. Change LOG level for Virtual Storage Console service 10. Change LOG level for VASA Provider and SRA service 11. Display TLS configuration 12. Generate Web-Cli Authentication token 13. Start ONTAP tools plug-in service 14. Stop ONTAP tools plug-in service 15. Start Log Integrity services 16. Stop Log Integrity services 17. Change database password

System Configuration	1. Reboot virtual machine 2. Shutdown virtual machine 3. Change 'maint' user password 4. Change time zone 5. Add new NTP server You can provide an IPv6 address for your NTP server. 6. Enable SSH Access 7. Increase jail disk size (/jail) 8. Upgrade 9. Install VMware Tools
Network Configuration	1. Display IP address settings 2. Change IP address settings You can use this option to change the IP address post deployment to IPv6. 3. Display domain name search settings 4. Change domain name search settings 5. Display static routes 6. Change static routes You can use this option to add an IPv6 route. 7. Commit changes 8. Ping a host You can use this option to ping to an IPv6 host. 9. Restore default settings
Support and Diagnostics	1. Generate support bundle 2. Access diagnostic shell 3. Enable remote diagnostic access

Virtual Storage Console and VASA Provider log files

You can check the log files in the `/opt/netapp/vscserver/log` directory and the `/opt/netapp/vpserver/log` directory when you encounter errors.

The following three log files can be helpful in identifying problems:

- `cxf.log`, containing information about API traffic into and out of VASA Provider *`kaminoPrefs.xml`, containing information about VSC settings
- `vvolvp.log`, containing all log information about VASA Provider

The maintenance menu of ONTAP tools for VMware vSphere enables you to set different log levels for your requirement. The following log levels are available:

- Info
- Debug
- Error
- Trace

When you set the log levels, the following files are updated:

- VSC server: `kamino.log` and `vvolvp.log`
- VASA Provider server: `vvolvp.log`, `error.log`, and `netapp.log`

In addition, the VASA Provider web command-line interface (CLI) page contains the API calls that were made, the errors that were returned, and several performance-related counters. The web CLI page is located at `https://<IP_address_or_hostname>:9083/stats`.

Change the administrator password

You can change the administrator password of ONTAP tools post deployment using the maintenance console. Password expires after 90 days.

Steps

1. From the vCenter Server, open a console to the ONTAP tools.
2. Log in as the maintenance user.
3. Enter `1` in the maintenance console to select Application Configuration.
4. Enter `6` to select **Change 'administrator' user password**.
5. Enter a password with minimum eight characters and maximum 30 characters. The password must contains a minimum of one upper, one lower, one digit, and one special character. Password expiry warning is shown after 75 days of resetting the password. The new password cannot be same as the last used password.

   If you do not follow the password recommendations, the maintenance console option is limited to change password. When the password has expired, you are prompted to change the password.

6. Enter `y` in the confirmation dialog box.

Configure VASA Provider to work with SSH

You can set up VASA Provider to use SSH for secure access by configuring the ONTAP tools .

About this task

When you configure SSH, you must log in as the maintenance user. This is because root access to VASA Provider has been disabled. If you use other login credentials, you cannot use SSH to access VASA Provider.

Steps

1. From the vCenter Server, open a console to the ONTAP tools.
2. Log in as the maintenance user.
3. Enter `3` to select **System Configuration**.
4. Enter `6` to select **Enable SSH Access**.
5. Enter `y` in the confirmation dialog box.

Configure remote diagnostic access

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

What you will need

The VASA Provider extension must be enabled for your vCenter Server instance.

About this task

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

- You are 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 remains valid only until 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 `3` 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.

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