



NetApp®

Replacing a fan module in a 32xx system

To replace a fan module, you must perform a specific sequence of tasks.

About this task

The fan module is hot-swappable and can be replaced without interrupting service.

Steps

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Removing a fan module

You can remove a fan module without powering down the system.

About this task

Attention: You must replace the fan module within two minutes of removing it from the chassis. System airflow is disrupted and the controller module or modules shut down after two minutes to avoid overheating.

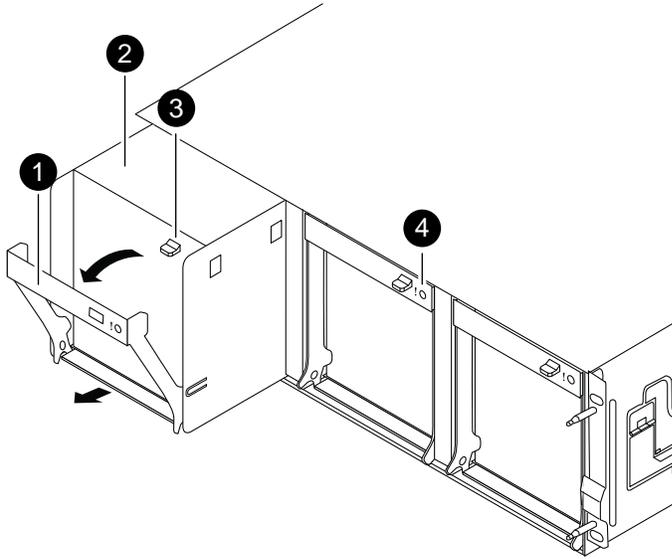
Steps

1. If you are not already grounded, properly ground yourself.
2. Remove the bezel (if necessary) with two hands, by grasping the openings on each side of the bezel, and then pulling it toward you until the bezel releases from the four ball studs on the chassis frame.
3. Identify the fan module that you must replace by checking the console error messages and looking at the Status LED on each fan module cam handle.

A failed fan module LED is solid amber, indicating that the fan module failed. No LEDs are lit if the fan module is not receiving power.

4. Press down the release latch on the fan module cam handle and pull the cam handle downward.

The fan module moves a little bit away from the chassis.



1	Cam handle
2	Fan module
3	Cam handle release latch
4	Fan module status LED

5. Pull the fan module straight out from the chassis, making sure that you support it with your free hand, so that it does not swing out of the chassis.

Attention: The fan modules are short. Always support the bottom of the module with your free hand so that it does not suddenly drop free from the chassis and injure you.

6. Set the fan module aside.

Installing a fan module

To install a fan module, you must perform a specific sequence of steps.

Steps

1. If you are not already grounded, properly ground yourself.
2. Remove the bezel, if necessary.
3. Insert the replacement fan module into the chassis by aligning it with the opening and sliding it into the chassis.
4. Push firmly on the fan module cam handle to ensure that it is seated all the way into the chassis.
The cam handle raises slightly when the fan module is completely seated.
5. Swing the cam handle up to its closed position, making sure that the cam handle release latch clicks into the locked position.
6. Reinstall the bezel.

7. Run diagnostics on the replacement fan module during the next scheduled system downtime.

See the *System-Level Diagnostics Guide* on the NOW site for more information.

Related information

System-Level Diagnostics Guide: now.netapp.com/NOW/knowledge/docs/hardware/NetApp/diag/sldiag.pdf

Completing the replacement process

After you replace the part, you can return the failed part to NetApp, as described in the RMA instructions shipped with the kit. Contact NetApp technical support at 888-463-8277 (North America), 00-800-44-NETAPP (Europe), or +800-800-80-800 (Asia/Pacific) if you need the RMA number or additional help with the replacement procedure.

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