Fabric OS commands

DB710S CLI management console

Lenovo

Fabric OS CLI overview

Fabric OS Web Tools also supports CLI mode. Fabric OS CLI commands can be used to monitor the device, update firmware, and save or restore the configuration on the device without using a web browser.

Fabric OS is embedded in the DB710S. To access Fabric OS, open a Telnet session and connect to the device. The switch's IP address for the device will be determined by the initial serial connection setup or DHCP.

The default username and password are:

- Default username: admin
- Default password: password

After logging in to the device for the first time, users will have to change the device passwords.

Note: The earliest supported FOS version for the DB710S is Fabric OS v9.2.2.

Common monitoring commands

Use the following Fabric OS commands to monitor or collect service data. Click the commands to see output examples.

Command	Description
fanShow	Displays the current status and speed of each installed fan
historyShow	Displays the entire history log, which includes insertion and removal events for FRUs such as blades, power supplies, fans, and WWN cards
psShow	Displays the current status of installed power supplies
switchShow	Displays switch status and information
tempShow	Displays temperature readings of the blade temperature sensors
sensorShow	Displays the current temperature, fan, and power supply status, and also readings from sensors located on the device
sfpShow	Displays a summary of all installed SFPs – for each port, the command output displays the SFP type and, for serial ID SFPs, the vendor name and SFP, serial number, and speed capability (in Gbps) Use this command with a port number to display detailed information about the serial ID SFP in the specified port

errshow and errdump

Use the errshow command to display device error log messages one at a time. Use the errdump command to display error log messages without any page breaks. The output of these commands will be unique for each control processor on the CP blade. Servicers must run the errshow command on each CP blade to obtain a complete record for problem determination.

- The errdump command has the following operands:
- --all: Displays messages for the entire chassis for a user with chassis permissions
- --slot <slot number>: Displays messages for a specific slot
- --start <YYYY/MM/DD-HH:MM:SS>: Displays messages from the given start time
- --end <YYYY/MM/DD-HH:MM:SS>: Displays messages that are logged up to the given end time

Click HERE to see a partial example of the errdump output.

The output can contain several thousand lines. Use the errclear command to reset the output when needed. This command clears all error log messages for all director instances on the CP where the command is issued.

errshow and errdump

```
swd191:admin> errdump
Fabric OS: v9.2.2_ops_06
2024/09/26-09:15:05 (GMT), [LOG-1003], 1, CHASSIS, INFO, BrocadeG710, The log has been cleared.
2025/02/26-21:10:56 (GMT), [HAM-1004], 2, CHASSIS, INFO, BrocadeG710, Processor rebooted - PowerCycle.
2025/02/26-21:11:02 (GMT), [FVS-1001], 3, CHASSIS, INFO, swd191, Flow Vision Stats daemon initialized.
2025/02/26-21:11:02 (GMT), [FV-1001], 4, CHASSIS, INFO, swd191, Flow Vision daemon initialized.
2025/02/26-21:11:06 (GMT), [SEC-3092], 5, FID 128, INFO, swd191, WWN card programming started.
2025/02/26-21:11:07 (GMT), [TO-1005], 6, FID 128, INFO, swd191, TO Profile Sys_TrafOpt_Version2 is enforced successfully.
2025/02/26-21:11:21 (GMT), [SEC-3092], 7, FID 128, INFO, swd191, WWN card programming success.
2025/02/26-21:11:24 (GMT), [FV-1002], 8, FID 128, INFO, swd191, Flow Vision Config Replay Completed Successfully.
2025/02/26-21:11:25 (GMT), [MAPS-1145], 9, FID 128, INFO, swd191, FPI Profile dflt_fpi_profile is activated for E-Ports.
2025/02/26-21:11:25 (GMT), [MAPS-1144], 10, FID 128, INFO, swd191, FPI Profile dflt_fpi_profile is activated for F-Ports.
2025/02/26-21:11:25 (GMT), [MAPS-1201], 11, FID 128, INFO, swd191, MAPS has started monitoring with dflt_conservative_policy policy.
2025/02/26-21:11:25 (GMT), [EM-1049], 12, CHASSIS, INFO, BrocadeG710, FRU Fan 1 insertion detected.
2025/02/26-21:11:26 (GMT), [EM-1049], 13, CHASSIS, INFO, BrocadeG710, FRU Fan 2 insertion detected.
2025/02/26-21:11:27 (GMT), [EM-1049], 14, CHASSIS, INFO, BrocadeG710, FRU Fan 3 insertion detected.
2025/02/26-21:11:27 (GMT), [EM-1049], 15, CHASSIS, INFO, BrocadeG710, FRU Fan 4 insertion detected.
2025/02/26-21:11:28 (GMT), [EM-1049], 16, CHASSIS, INFO, BrocadeG710, FRU PS 1 insertion detected.
```

supportsave

Use the `supportsave` command to collect RASLOG, TRACE, `supportshow` command output, core file, FFDC data, and other support information and save it to a remote FTP, SCP, SFTP site, or an attached USB device. `Supportshow` information is available on active and standby CP blades.
Click HERE to see a partial example of the `supportsave` output.

Fabric OS commands

supportsave

Use the supp command output, core file, FFD P, SCP, SFTP site, or an atta ve and standby CP blades.
Click **HERE** to

```
switch:admin> supportsave
This command collects RASLOG, TRACE, supportShow, \
   core file, FFDC data
and then transfer them to a FTP/SCP/SFTP server \
   or a USB device.
This operation can take several minutes.
OK to proceed? (yes, y, no, n): [no] y

Host IP or Host Name: 10.210.210.4
User Name: admin
Remote Directory: /temp/support

Protocol (ftp | scp | sftp): scp
SCP/SFTP Server Port Number [22]:
Do you want to continue with CRA (Y/N) [N]:
Password: *******
Saving support information:
SLOT  SWITCH  MODULE          CLI SIZE     FILE SIZE      CLI TIME       MODULE  TIME
 LOAD AVERAGE
CP0     sw0    RAS           636.039 KB   3956.489 KB   7.922022 secs  27.293317 secs
 0.3/0.3/0.3
CP0     sw0    FTR_START       3.488 KB      0.000 KB   0.640100 secs   3.694284 secs
 0.3/0.3/0.3
CP0     sw0    SSHOW_ISWITCH   5.382 KB      0.000 KB   5.505864 secs   8.611739 secs
 0.6/0.4/0.3
CP0     sw0    SSHOW_SYS      32.573 KB      0.000 KB  14.391223 secs  17.473962 secs
 0.5/0.4/0.3
CP0     sw0    FABRIC         10.484 KB      0.000 KB   3.270941 secs   6.250575 secs
 0.8/0.4/0.3
CP0     sw0    DIAG           26.493 KB      0.000 KB   0.766468 secs   3.864095 secs
 0.8/0.4/0.3
CP0     sw0    RTE             2.172 KB      0.000 KB   0.197964 secs   3.311117 secs
 0.8/0.4/0.3
```

Reference resources

For complete Fabric OS command line usages and syntax, refer to the Brocade Fabrics OS Command Reference Manual on the Brocade Fabric OS Software page.