Fabric OS Web Tools

DB710S GUI management console

Lenovo

What is Fabric OS Web Tools?

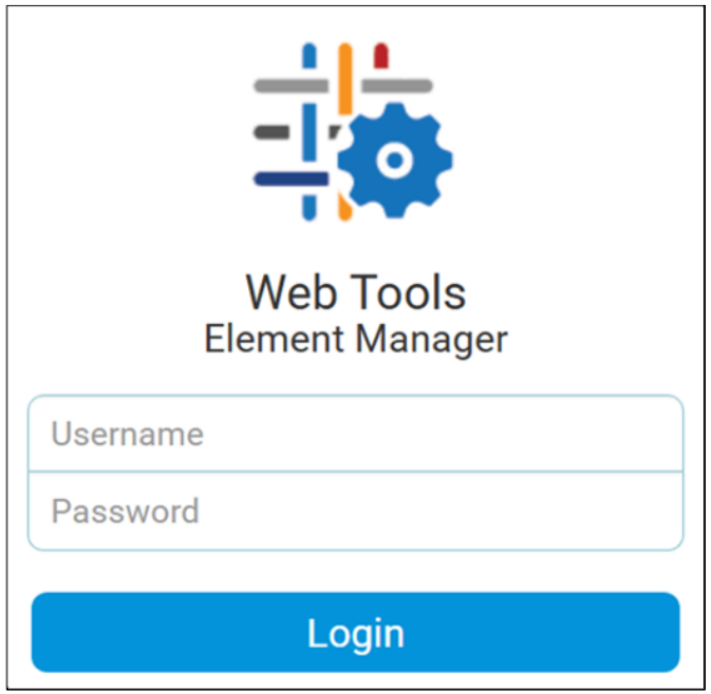
Broadcom Fabric OS Web Tools is a GUI embedded in the Fabric OS firmware, and it helps users to monitor and manage Broadcom's Fibre Channel switch or directors. It is embedded in the Broadcom Fabric OS on supported devices, such as the DB710S, DB720S, or DB730S series switches.

With Web Tools, you can:

- Check and manage switch configurations, including licenses, routing, and port settings
- Monitor fabric health and performance
- Perform administrative tasks like back up/restore, setting up Access Gateway mode (which optimizes port usage for connecting host bus adapters to the fabric), and managing policies such as access control or authentication.

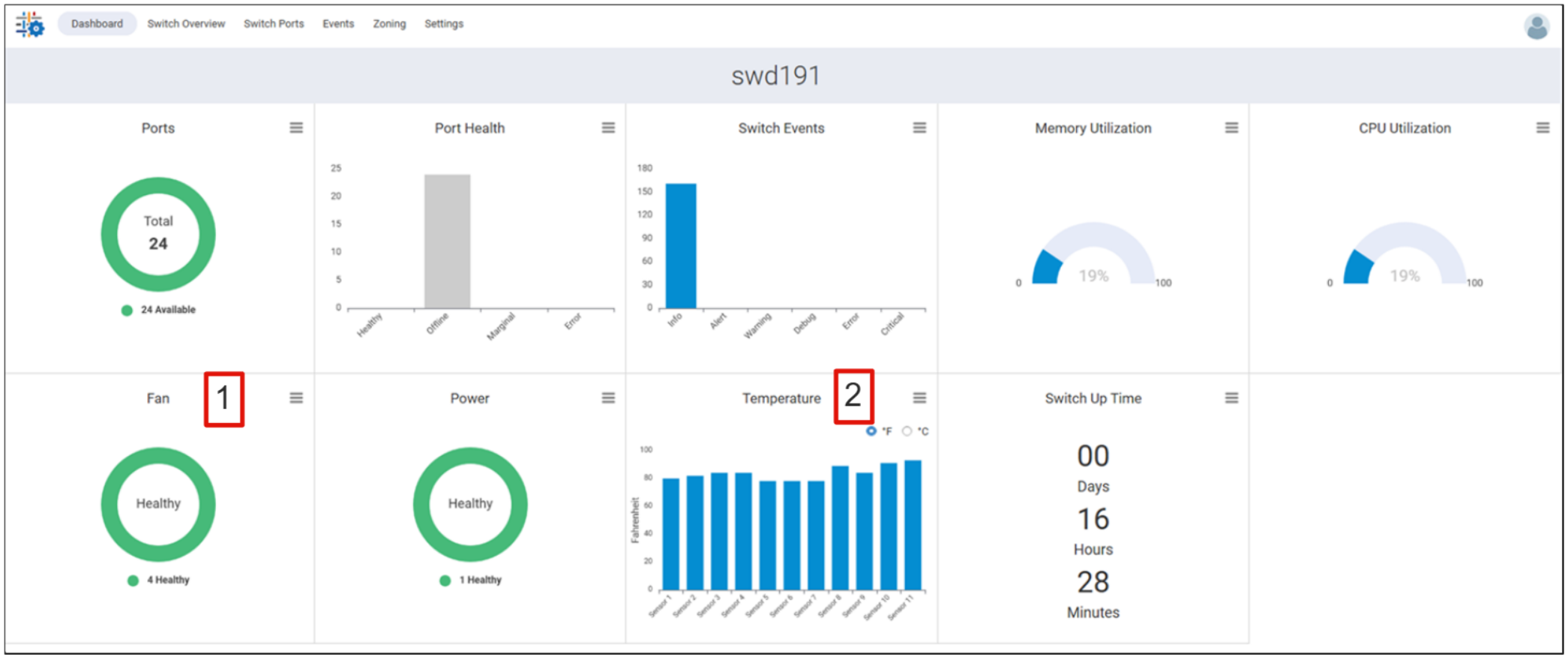
To access Fabric OS Web Tools, open a browser and enter the Fabric OS Web Tools IP addresses. The default username and password are *admin/password*.

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



Dashboard

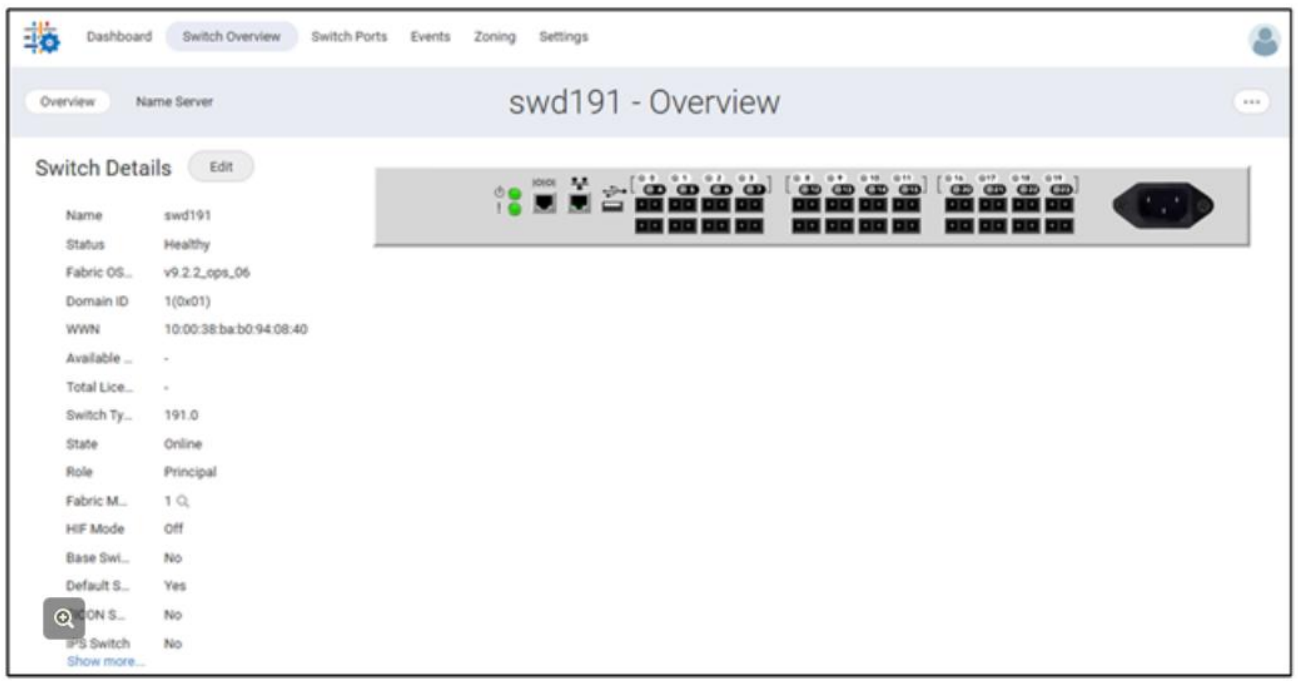
The Dashboard displays the overall health and status of the switch. Detailed information can be checked by clicking the icons.
Click icon 1 or 2 below to see more detailed information.



Switch Overview

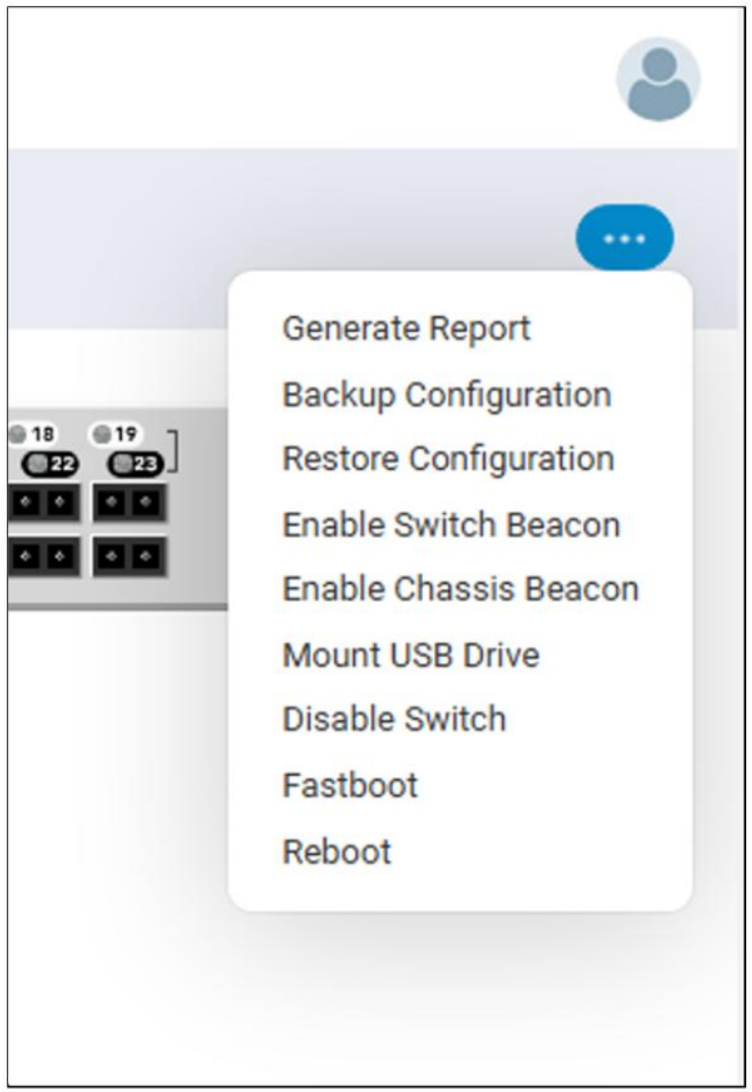
The **Switch Overview** tab displays an image of the chassis and allows users to perform the following tasks:

- Display detailed switch, network, and fabric information
- Edit the switch name, IP network parameters, and switch settings such as Access Gateway mode and FCR
- Perform switch actions such as reboot, fast boot, and switch enablement or disablement
- Display information on all Name Server entries in the fabric
- Initiate a CP blade failover action
- Change the logical switch context



Actions

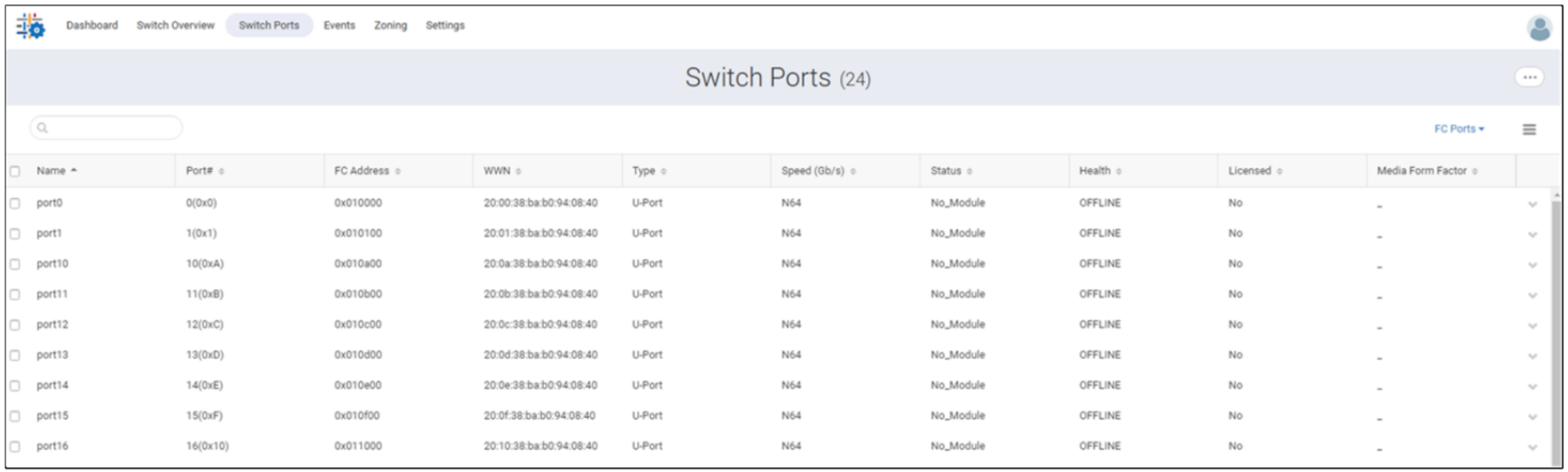
Select the actions menu at the top right of the **Switch Overview** tab to perform switch management actions such as generating an inventory report, rebooting the switch, or backing up switch configurations.



Switch Ports

On the **Switch Ports** page, users can perform the following actions:

- Manage the port configurations with the real-time information on the switch ports
- Check basic port information and statistics
- Check error statistics for the ports and statistical information for the frames
- Perform advanced configurations for multiple ports
- Perform bulk actions such as renaming, enabling, or disabling the ports, and editing port action settings



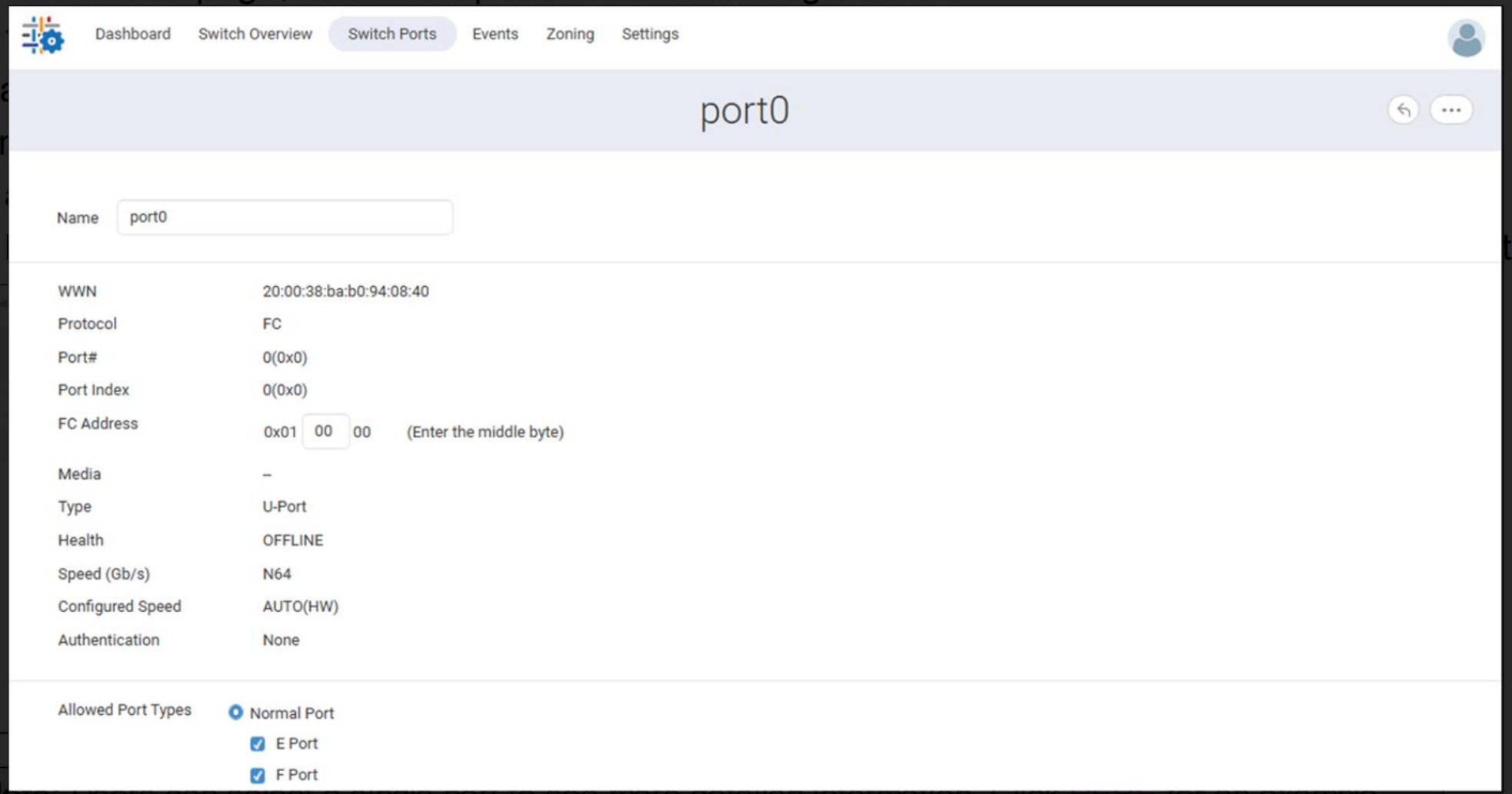
Name	Port#	FC Address	WWN	Type	Speed (Gb/s)	Status	Health	Licensed	Media Form Factor
port0	0(0x0)	0x010000	20:00:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-
port1	1(0x1)	0x010100	20:01:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-
port10	10(0xA)	0x010a00	20:0a:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-
port11	11(0xB)	0x010b00	20:0b:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-
port12	12(0xC)	0x010c00	20:0c:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-
port13	13(0xD)	0x010d00	20:0d:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-
port14	14(0xE)	0x010e00	20:0e:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-
port15	15(0xF)	0x010f00	20:0f:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-
port16	16(0x10)	0x011000	20:10:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-

Note: Users can select a single port to see more detailed information. Click HERE for an example.

Switch Ports

On the **Switch Ports** page, users can perform the following actions:

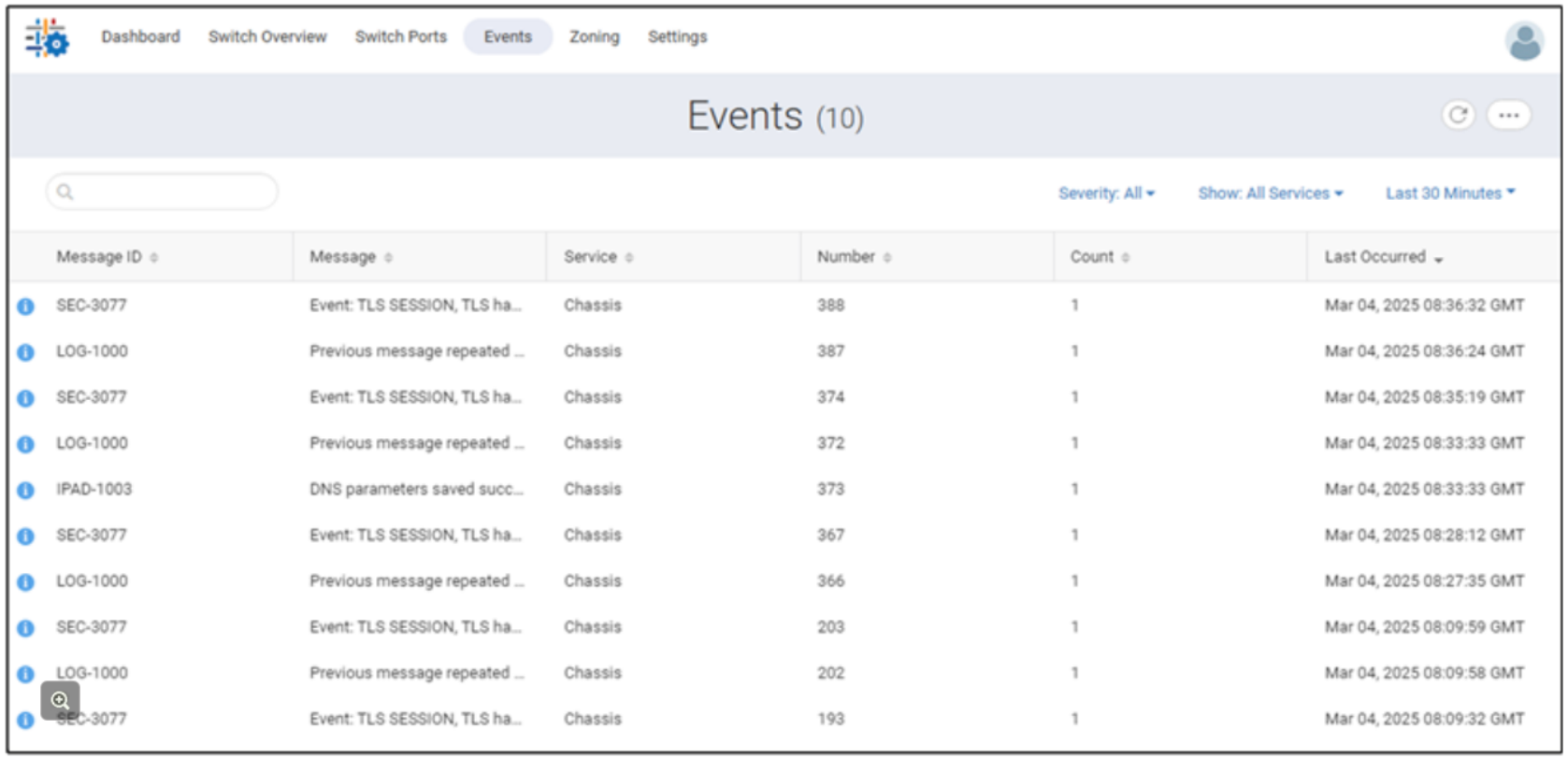
- Manage
- Check ba
- Check er
- Perform
- Perform tings



Note: Users can select a single port to see more detailed information. Click HERE for an example.

Events

The **Events** page displays all the events for the switch. Events are categorized by severity level.
Click HERE to see the event severity level descriptions.

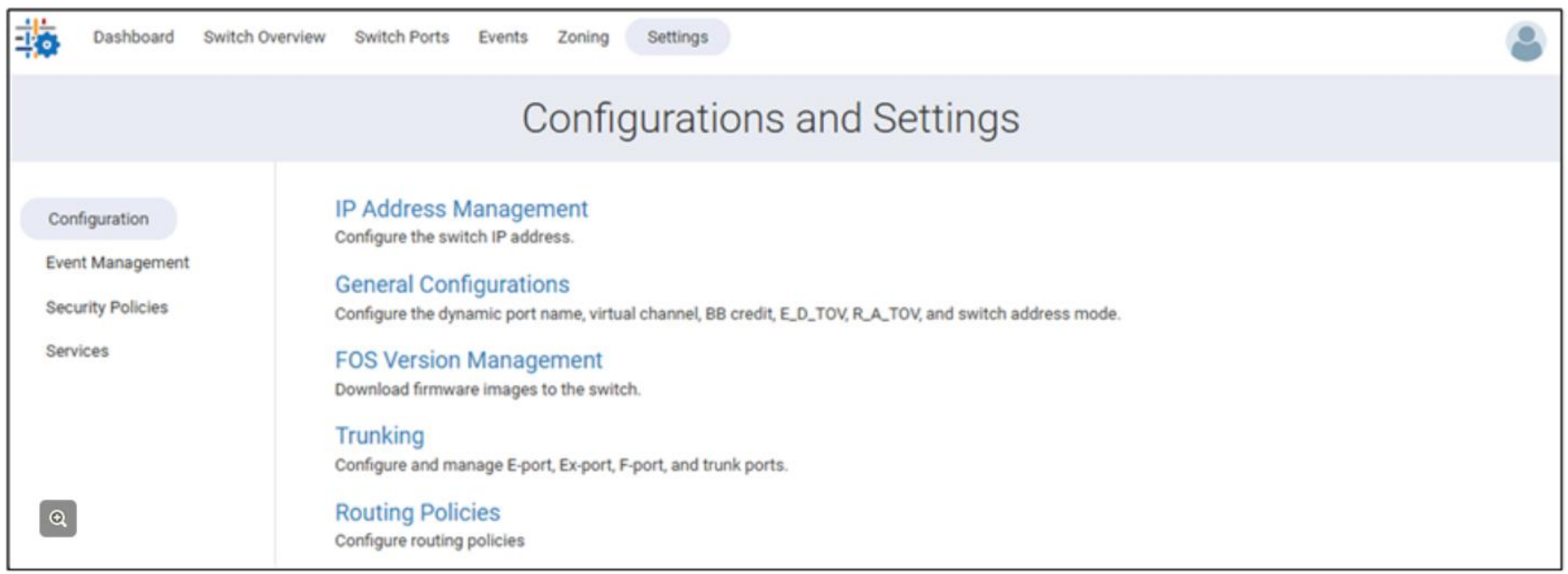


Events

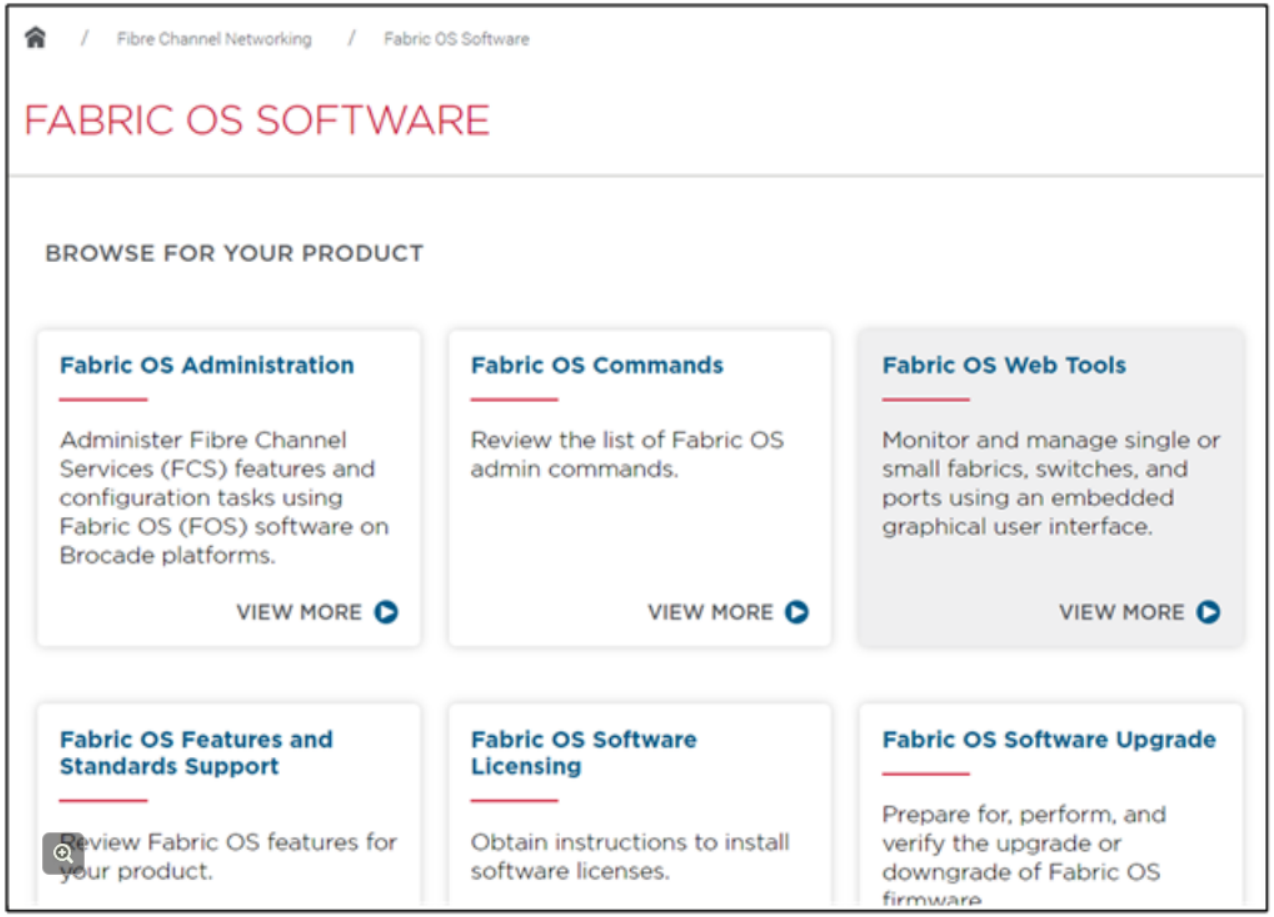
Severity level	Description
Critical (Red)	Critical-level events indicate that Fabric OS has detected one or more problems that will eventually cause a partial or complete failure of a subsystem if they are not corrected immediately. For example, a power supply failure or a rise in temperature must receive immediate attention.
Alert (Green)	Alert-level events do not compromise data or prevent the use of the system; however, the event warrants the user's attention.
Error (Pink)	Error-level events indicate error conditions that do not significantly impact overall system functionality. For example, error-level messages might indicate timeouts on certain operations, failures of certain operations after retries, invalid parameters, or failure to perform a requested operation.
Warning (Yellow)	Warning-level messages highlight a current operating condition that should be checked to prevent a possible future failure. For example, a power supply failure in a redundant system relays a warning that the system is no longer operating in redundant mode. The failed power supply must be replaced or fixed.
Information (Blue)	Information-level events report the current non-error status of the system components such as the online and offline status of a fabric port.
Debug (Pale green)	Debug-level events report status messages relating to debugging systems.

Settings

The **Settings** page contains switch configuration options in a navigation bar on the left. By clicking the items in the bar, additional options will be displayed.



Reference documentation

Refer to the Brocade Fabric OS Web Tools User Guide on the on the Brocade Fabric OS Software page for more information about different management actions, including:

- Configuring device IP addresses
- Configuring ports
- Managing user accounts
- Generating inventory report
- Backing up configurations
- Restoring configurations
- Adding or removing Fabric OS license features