

Fabric OS Web Tools

DB710S GUI management console

Lenovo

What is Fabric OS Web Tools?

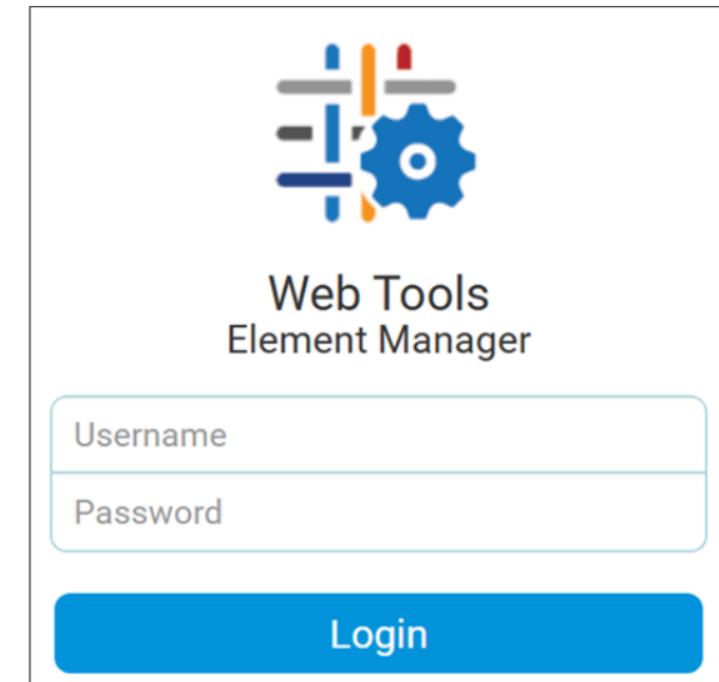
Broadcom Fabric OS Web Tools is a GUI embedded in the Fabric OS firmware, and it helps users to monitor and manage Broadcom's Fibre Channel switch or directors. It is embedded in the Broadcom Fabric OS on supported devices, such as the DB710S, DB720S, or DB730S series switches.

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*.

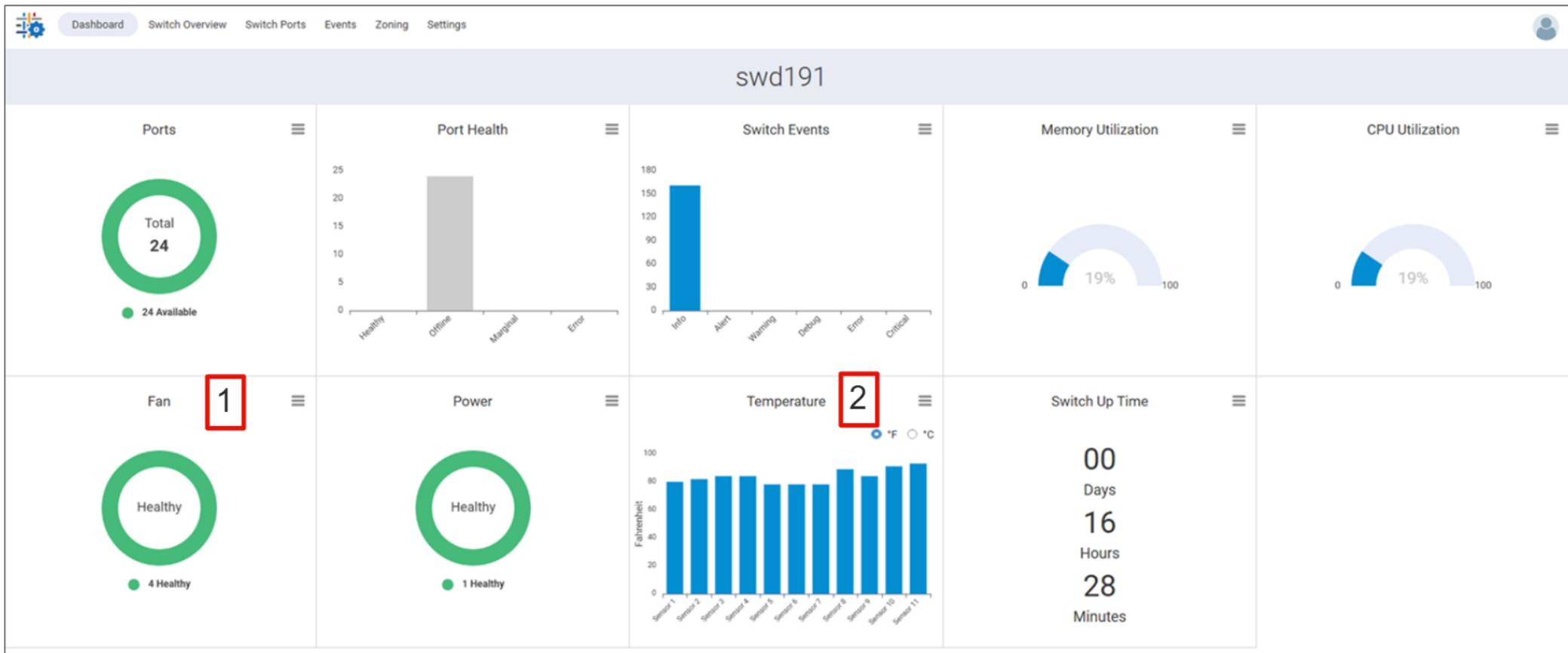
After logging in to the device for the first time, users will have to change the device passwords.



Dashboard

The Dashboard displays the overall health and status of the switch. Detailed information can be checked by clicking the icons.

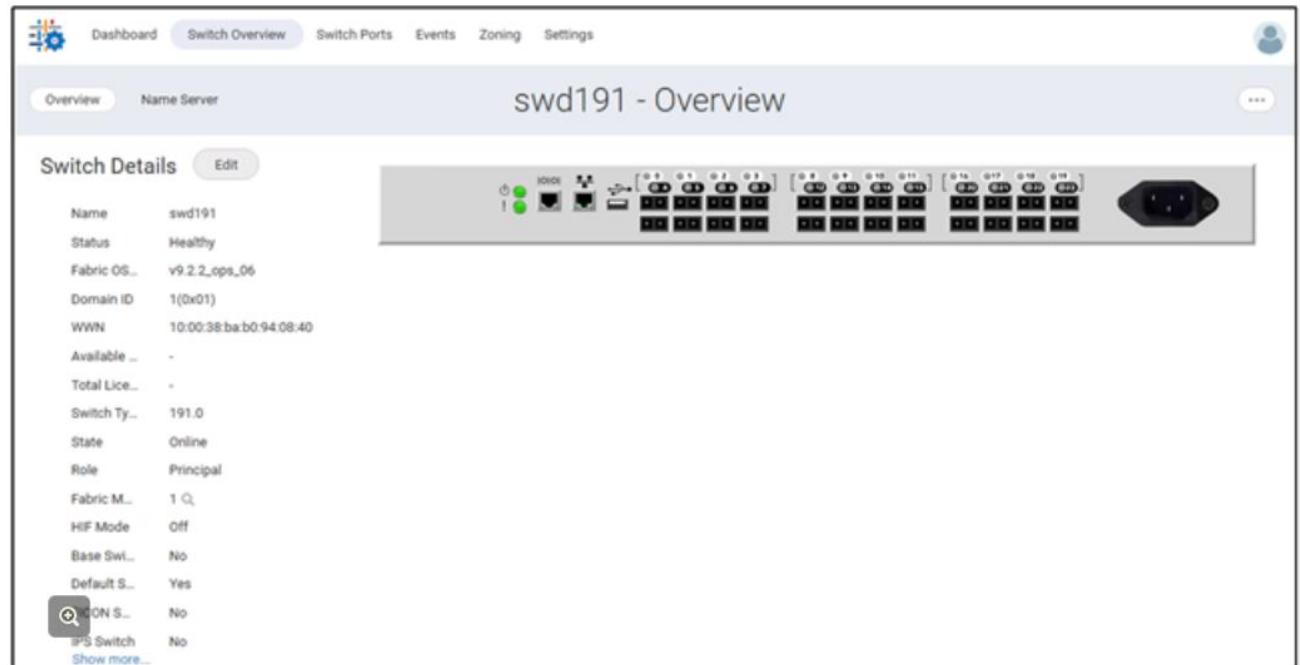
Click icon 1 or 2 below to see more detailed information.



Switch Overview

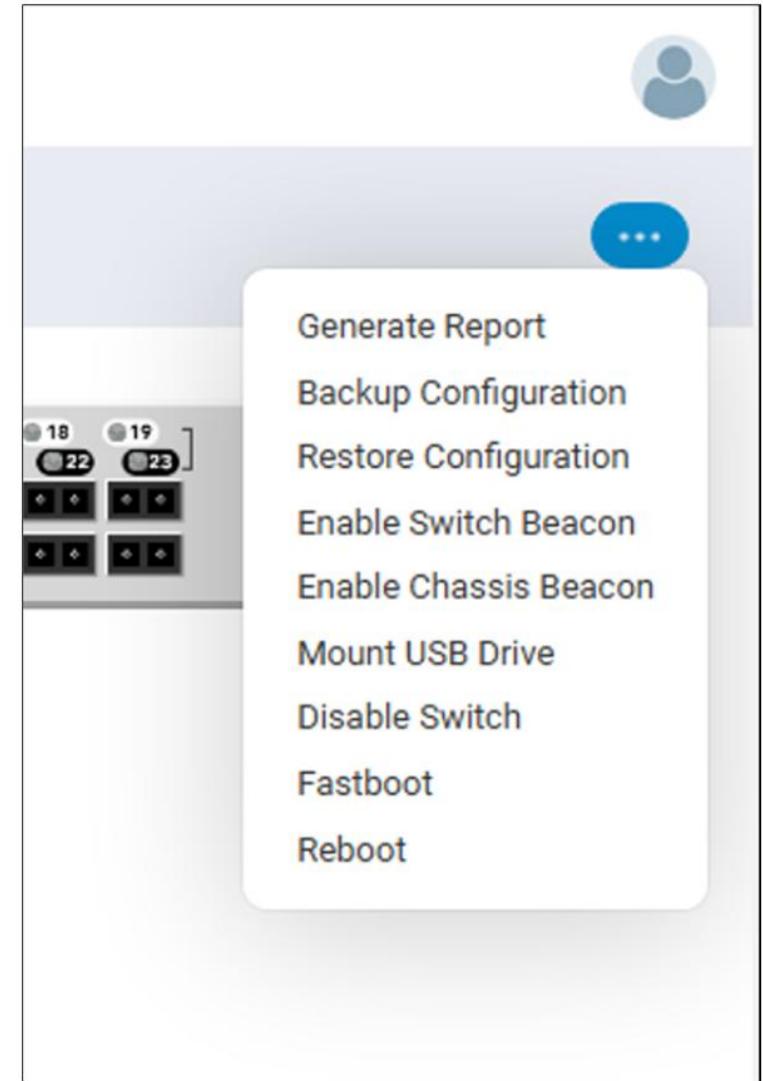
The **Switch Overview** tab displays an image of the chassis and allows users to perform the following tasks:

- 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

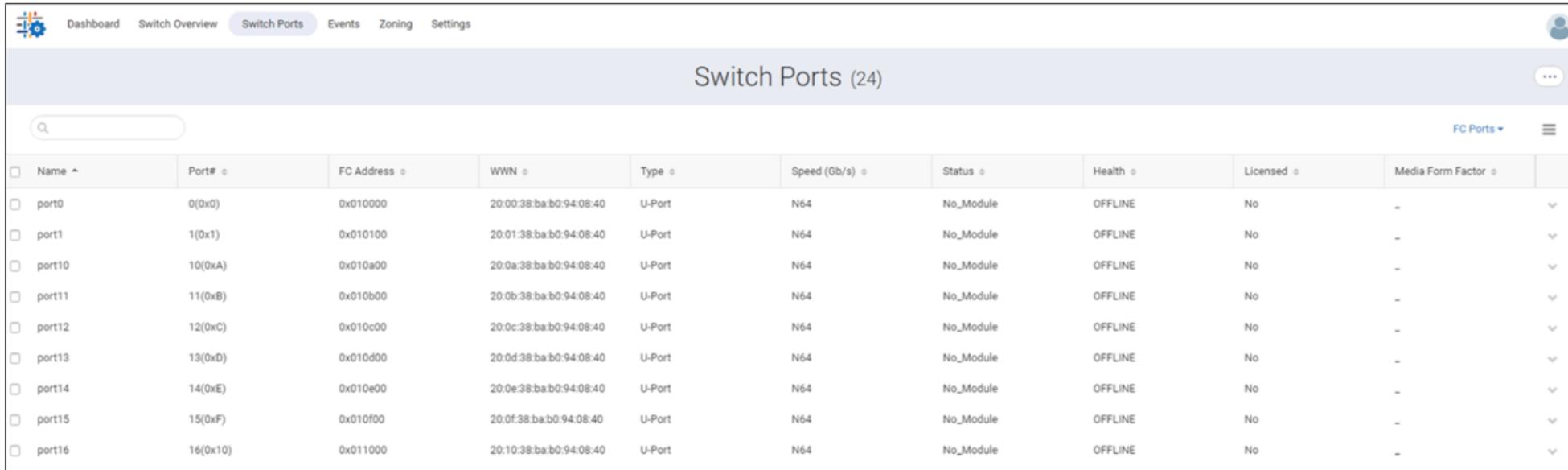
Select the actions menu at the top right of the **Switch Overview** tab to perform switch management actions such as generating an inventory report, rebooting the switch, or backing up switch configurations.



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



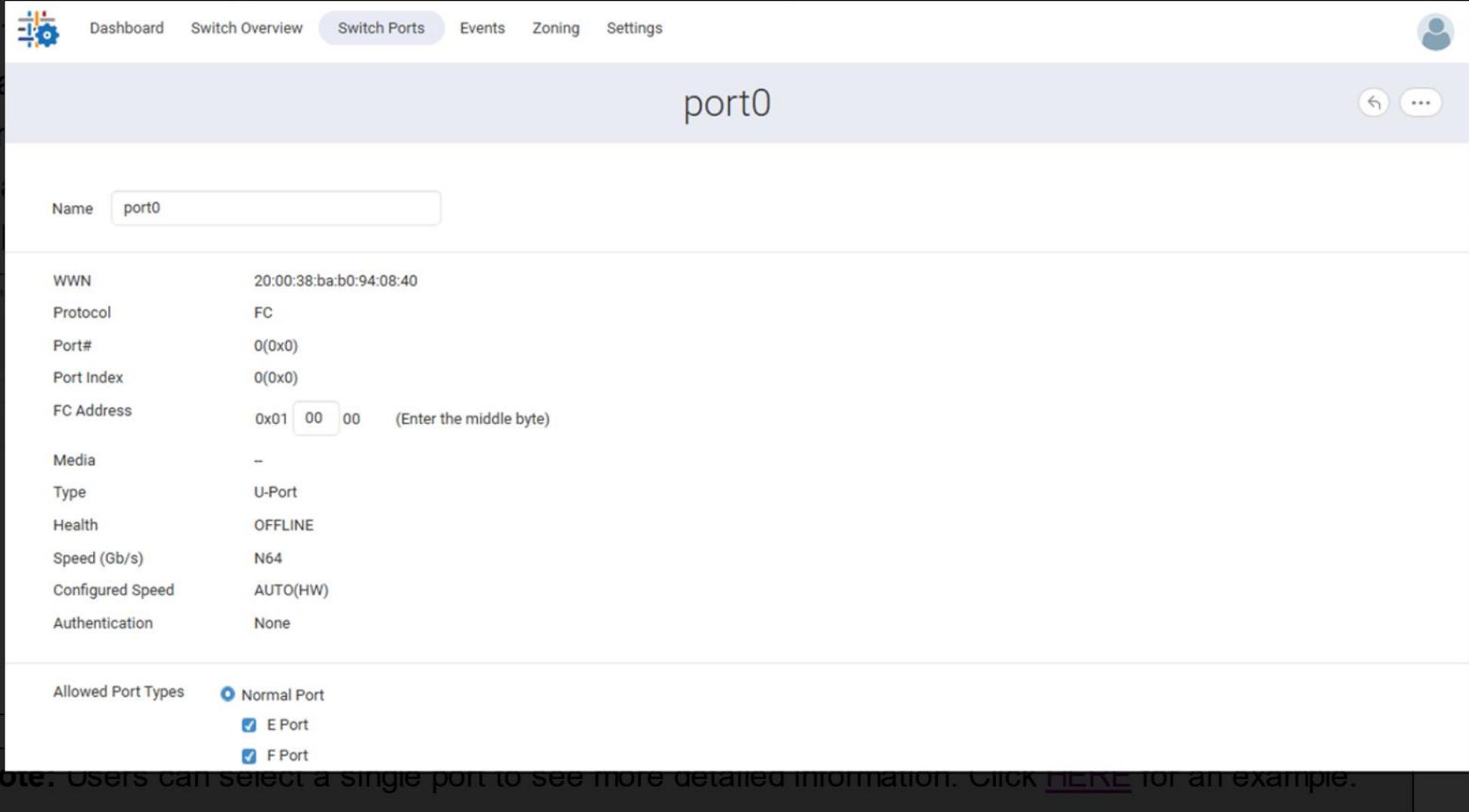
<input type="checkbox"/>	Name	Port#	FC Address	WWN	Type	Speed (Gb/s)	Status	Health	Licensed	Media Form Factor	
<input type="checkbox"/>	port0	0(0x0)	0x010000	20:00:38:ba:b0:94:08:40	U-Port	N64	No_Module	OFFLINE	No	-	<input type="button" value="▼"/>
<input type="checkbox"/>	port1	1(0x1)	0x010100	20:01:38:ba:b0:94:08:40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

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



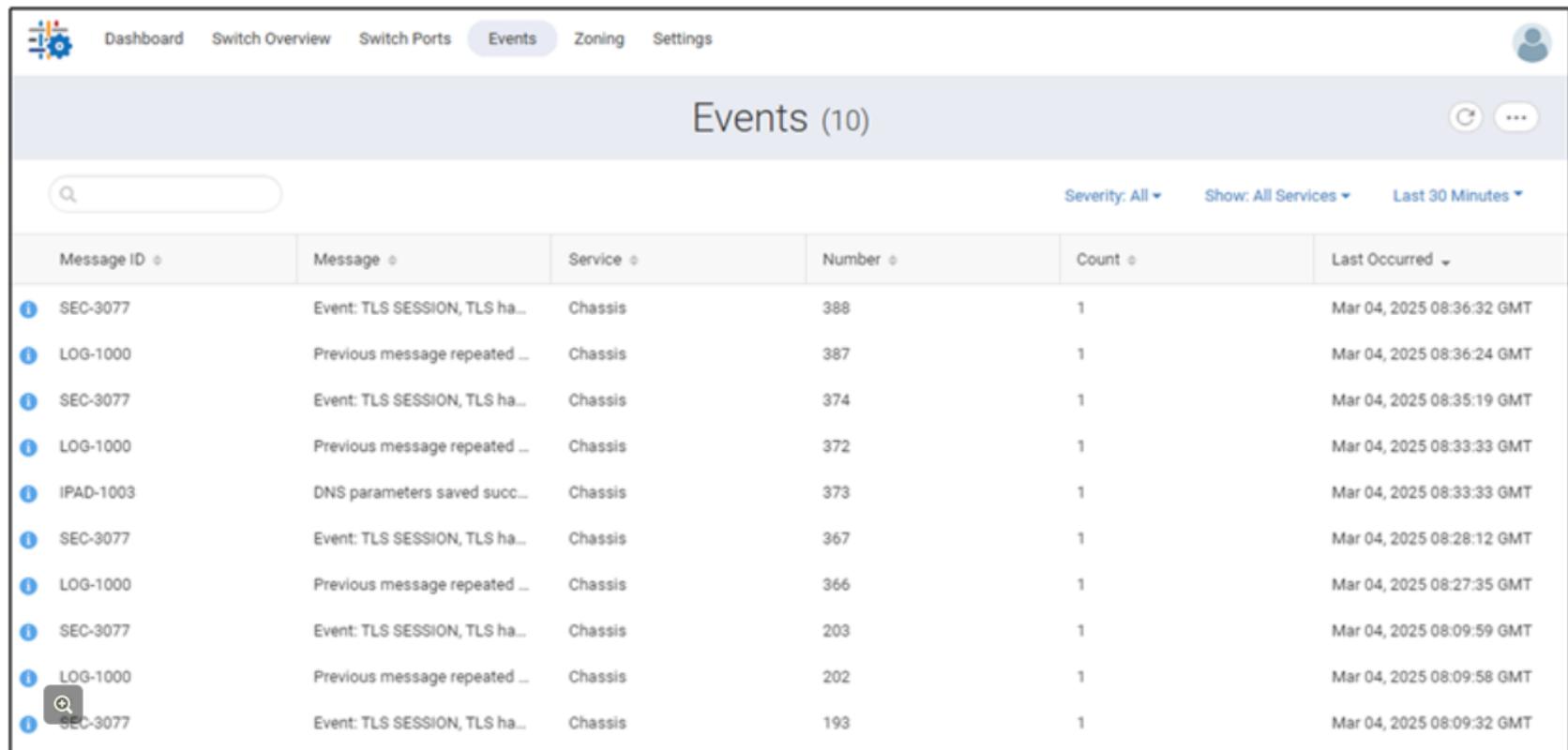
The screenshot shows the 'Switch Ports' page of the Fabric OS Web Tools. The top navigation bar includes links for Dashboard, Switch Overview, Switch Ports (which is the active tab), Events, Zoning, and Settings. A user profile icon is in the top right. The main content area has a title 'port0' and a sub-header 'Name port0'. On the left, a sidebar lists ports: port0, port1, port10, port11, port12, port13, port14, port15, and port16. The main table displays the following details for port0:

WWN	20:00:38:ba:b0:94:08:40
Protocol	FC
Port#	0(0x0)
Port Index	0(0x0)
FC Address	0x01 00 00 (Enter the middle byte)
Media	-
Type	U-Port
Health	OFFLINE
Speed (Gb/s)	N64
Configured Speed	AUTO(HW)
Authentication	None

Below the table, the 'Allowed Port Types' section shows 'Normal Port' selected (radio button) and 'E Port' and 'F Port' checked (checkboxes). A note at the bottom states: '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.



The screenshot shows the 'Events' page of the Fabric OS Web Tools. The page title is 'Events (10)'. At the top, there are filters for 'Severity: All', 'Show: All Services', and 'Last 30 Minutes'. A search bar is located at the top left. The main table has columns: Message ID, Message, Service, Number, Count, and Last Occurred. The data in the table is as follows:

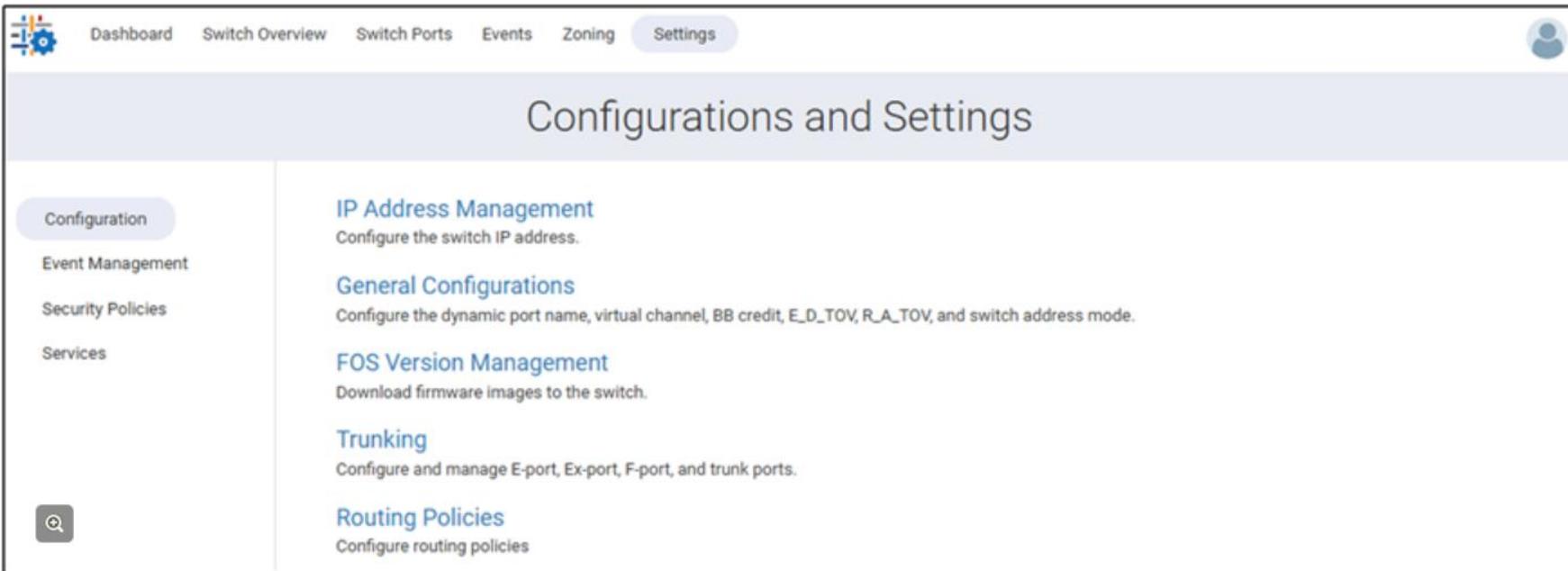
Message ID	Message	Service	Number	Count	Last Occurred
SEC-3077	Event: TLS SESSION, TLS ha...	Chassis	388	1	Mar 04, 2025 08:36:32 GMT
LOG-1000	Previous message repeated ...	Chassis	387	1	Mar 04, 2025 08:36:24 GMT
SEC-3077	Event: TLS SESSION, TLS ha...	Chassis	374	1	Mar 04, 2025 08:35:19 GMT
LOG-1000	Previous message repeated ...	Chassis	372	1	Mar 04, 2025 08:33:33 GMT
IPAD-1003	DNS parameters saved succ...	Chassis	373	1	Mar 04, 2025 08:33:33 GMT
SEC-3077	Event: TLS SESSION, TLS ha...	Chassis	367	1	Mar 04, 2025 08:28:12 GMT
LOG-1000	Previous message repeated ...	Chassis	366	1	Mar 04, 2025 08:27:35 GMT
SEC-3077	Event: TLS SESSION, TLS ha...	Chassis	203	1	Mar 04, 2025 08:09:59 GMT
LOG-1000	Previous message repeated ...	Chassis	202	1	Mar 04, 2025 08:09:58 GMT
SEC-3077	Event: TLS SESSION, TLS ha...	Chassis	193	1	Mar 04, 2025 08:09:32 GMT

Events

The Event Log		
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.



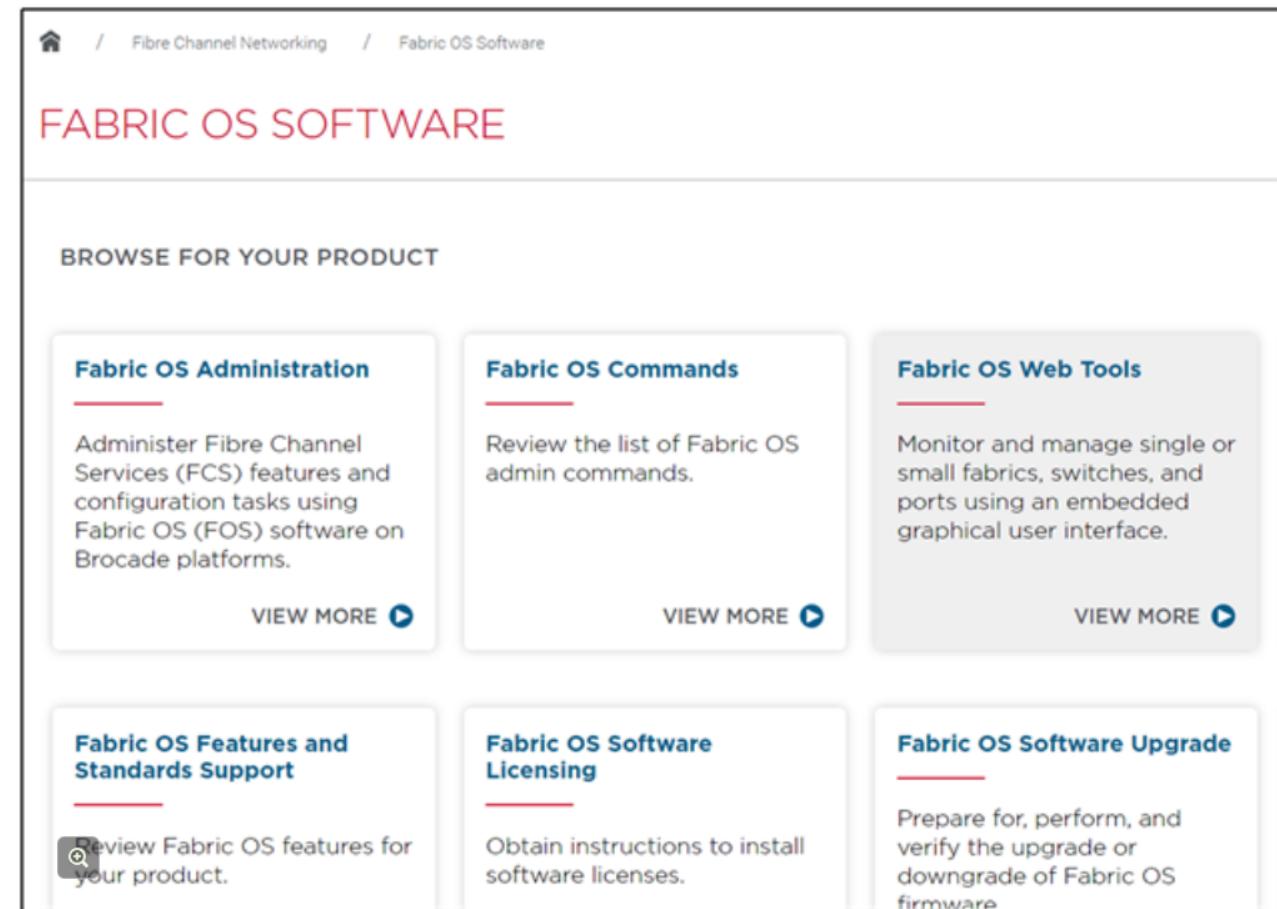
The screenshot shows the 'Configurations and Settings' page of the Fabric OS Web Tools. The top navigation bar includes links for Dashboard, Switch Overview, Switch Ports, Events, Zoning, and Settings, with 'Settings' being the active tab. A user profile icon is in the top right. The main content area is titled 'Configurations and Settings'. On the left, a sidebar lists 'Configuration' (selected), 'Event Management', 'Security Policies', and 'Services'. Below the sidebar is a search icon. The main content area contains five configuration sections: 'IP Address Management' (Configure the switch IP address), 'General Configurations' (Configure the dynamic port name, virtual channel, BB credit, E_D_TOV, R_A_TOV, and switch address mode), 'FOS Version Management' (Download firmware images to the switch), 'Trunking' (Configure and manage E-port, Ex-port, F-port, and trunk ports), and 'Routing Policies' (Configure routing policies).

Section	Description
IP Address Management	Configure the switch IP address.
General Configurations	Configure the dynamic port name, virtual channel, BB credit, E_D_TOV, R_A_TOV, and switch address mode.
FOS Version Management	Download firmware images to the switch.
Trunking	Configure and manage E-port, Ex-port, F-port, and trunk ports.
Routing Policies	Configure routing policies

Reference documentation

Refer to the Brocade Fabric OS Web Tools User Guide 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



The screenshot shows a web page titled 'FABRIC OS SOFTWARE' under the 'Fibre Channel Networking / Fabric OS Software' navigation. The page features a 'BROWSE FOR YOUR PRODUCT' section with six management options:

- Fabric OS Administration**: Administer Fibre Channel Services (FCS) features and configuration tasks using Fabric OS (FOS) software on Brocade platforms. [VIEW MORE](#)
- Fabric OS Commands**: Review the list of Fabric OS admin commands. [VIEW MORE](#)
- Fabric OS Web Tools**: Monitor and manage single or small fabrics, switches, and ports using an embedded graphical user interface. [VIEW MORE](#)
- Fabric OS Features and Standards Support**: Review Fabric OS features for your product. [VIEW MORE](#)
- Fabric OS Software Licensing**: Obtain instructions to install software licenses. [VIEW MORE](#)
- Fabric OS Software Upgrade**: Prepare for, perform, and verify the upgrade or downgrade of Fabric OS firmware. [VIEW MORE](#)