



Configuration of DS6610B Fiber Optic Switch

Article Overview

The Dell Connectrix DS6610B is a 24-port Fibre Channel switch that can be configured for SAN fabrics using FOS commands, port-on-demand expansion, and logical switch setup.

Overview

The DS6610B is a 1U, 24-port Fibre Channel switch designed for small-to-medium SAN environments. It comes with eight active 16Gb/s SFP+ ports in the base chassis, expandable to 24 ports using Ports on Demand (PoD) kits. The switch supports high-performance SAN fabrics, with embedded power supply and fan, and optional Enterprise Package for advanced features .

Initial Setup

- o Power and Connectivity: Connect the embedded power supply and ensure the fan is operational. Attach SFP+ modules to the active ports. For PoD expansion, install additional SFPs and activate the license .
- o Console Access: Use the serial console or management port to access the switch CLI. Default credentials and IP settings are provided in the user manual .
- o FOS Upgrade: Verify the installed Fabric OS (FOS) version. Upgrade if necessary to support new features or PoD activation .

Fabric Configuration

- o Create Logical Switches: Use the CLI to define logical switches and assign ports. This allows segmentation of SAN traffic and supports FICON or cascaded FICON operation if required .
- o Port Configuration: Assign each port to the appropriate logical switch. Configure port speed, zoning, and WWN settings. Use defaults unless specific architecture guidance is provided .
- o Licensing: Add feature keys for PoD or Enterprise Package features. This enables additional ports and advanced functionality .
- o Security Settings: Configure login security, fabric binding, and access control as needed. FICON-specific security parameters can be set per logical switch .

Advanced Configuration

- o Port-on-Demand Expansion: Activate additional ports via PoD license to reach the maximum of 24 ports. Ensure SFPs are installed and recognized by the switch .
- o QSFP Ports: For high-speed ISLs, QSFP ports can be added with a separate license (applicable to DS6620B models) .
- o Monitoring and Management: Use Web Tools or CLI commands to monitor fabric health, port status, and performance metrics .

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Best Practices

- o Keep FOS updated to the latest stable release.
- o Use zoning to isolate traffic and improve security.
- o Document WWNs and port assignments for easier troubleshooting.
- o Test PoD expansions in a lab environment before production deployment.

For detailed step-by-step commands, configuration examples, and CLI references, consult the Dell Connectrix DS6610B User Manual and Fabric OS Administration Guide .

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Scalability from eight to 128 ports e switch models in the 32Gb/s series. All models can function at 4, 8, 16 or 32 Gb/s s eds

There are five switch models in the 32Gb/s series. All models can function at 4, 8, 16 or 32 Gb/s speeds depending on the installed

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Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

6610B is a 24-port switch that offers high performance and economy. The 1U base chassis of the DS-6610B is prepopulated with

Connectrix entry-level Fibre Channel switches provide 8 to 32 ports and high 32 GB/s performance.

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This documentation set provides information for setting up, administering, and/or configuring DELL Technologies

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