

Selection Guide for Upgraded Independent Switches for Metro Use



AI Overview

Choose metro-ready switches based on port density, PoE support, uplink speed, resiliency, and standards compliance to ensure reliable, high-performance network upgrades.

Key Selection Criteria

1. **Port Density and Speed** Select switches with sufficient Gigabit Ethernet (GE) or 10-GE uplinks to handle current and future traffic loads. Modular switches allow flexible port configurations, while fixed switches are suitable for smaller deployments . Consider combo ports (shared copper and SFP) for flexibility in fiber or copper connections .
2. **Power-over-Ethernet (PoE) Support** For metro networks powering devices like IP cameras, access points, or VoIP phones, choose switches with PoE/PoE+ capabilities. High-wattage PoE options reduce the need for separate power lines and simplify deployment .
3. **Resiliency and Redundancy** Ensure switches support advanced resiliency protocols and can operate in redundant configurations. For MetroCluster or dual-site setups, verify that the switch can handle switchovers and switchbacks without disrupting traffic . Features like ultra-low jitter and high availability are critical for metro environments .
4. **Network Security and Management** Select switches with microsegmentation, TrustSec, or other security features to protect metro traffic. Management platforms like Cisco Catalyst Center or Meraki simplify monitoring and configuration . For industrial or harsh environments, ruggedized switches with device-to-cloud monitoring are recommended .
5. **Standards Compliance** Ensure switches comply with relevant standards such as IEC...

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Cisco Switch Selector

Quickly identify the right Cisco switch for your needs, whether you're looking for a new switch or upgrading an old one for an

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concept_choosing_controller_upgrade_mcc.adoc

The controller upgrade procedure you use depends on the platform model and type of MetroCluster configuration. In an upgrade

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Use the lineage tables below to select an alternative switch using your current switch part number. Use the iCMOS® alternative table

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ontap-metrocluster/upgrade/upgrade-mcc-ip-manual.adoc at main

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This guide provides instructions on how to install and configure your Cisco Metro Ethernet

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Switch Selection Guide

Note: Default actuator setting is OFF for Slide DIP Switches and Piano DIP Switches. Be sure to read the Safety precautions

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Full and final Metro Manual-21-61.pdf

Independent Safety Assessor's assessment of vital signaling equipment like CBI, ATP, track detection system etc. (all the items

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Prepare the MetroCluster IP system for upgrade

Update the MetroCluster switch RCFs before upgrading controllers Depending on the old and new platform models,

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MetroCluster

A detailed guide on how to use the RcfFileGenerator for MetroCluster IP. Useful commands for MetroCluster FC and IP switches The

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Requirements for using this MetroCluster IP upgrade procedure

Performing an upgrade using aggregate relocation (ARL) with “systems controller replace” commands is not

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Replace an IP switch or change the use of existing ...

If you want to replace a failed switch with the same type of switch, you only replace the failed switch. If you want to

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Requirements and limitations for MetroCluster-compliant switches

Any intermediate switches that you use between the switches connecting the MetroCluster IP interfaces at both sites

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Switches and Crossings

RIS-7701-INS issue 1 sets out requirements and guidance for new, renewed, and upgraded switches and crossings (S& C) to provide

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Installing and cabling MetroCluster components | ONTAP | Lenovo Docs

Cabling the management and data connections You must cable the management and data ports on each storage controller to the

Contact Us

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