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Cisco CCIE™ Certification Installing and Maintaining Routers 12000 GSR Series and XS5032 Modules

Audience

The course is intended for Network Administrators and/or MIS Support Teams. Students should have a working knowledge of internetworks, and also understand IP addressing and Trivial File Transfer Protocol (TFTP). Suggested prerequisites for this course are Interconnecting Network Devices (Courses 20021-20024).

Duration

3 Days

Unit 1: Cisco 12000 Series GSR Routers

- Identify the 12000 series Gigabit Switch Routers (GSRs).
- Identify the characteristics of the 12000 series Gigabit Route Processor (GRP).
- Identify the functions and features of the alarm card.
- Identify the characteristics of the switch fabric.
- Identify the Cisco 12000 power supplies.
- Identify the features of the Cisco 12000 series cooling system.
- Identify preinstallation guidelines for the Cisco 12000 router.
- Sequence the steps involved in installing an AC-input power supply.
- Sequence the steps involved in installing a DC-input power supply.
- Sequence the steps involved in starting the Cisco 12012 system.
- Identify the function of the setup command in configuring installed interfaces.
- Identify the characteristics of the Cisco 12008 Gigabit Switch Router (GSR).
- Identify guidelines for power and airflow safety.
- Identify the functions and features of the cable management system.
- Identify the steps involved in removing cards from the upper card cage.
- Sequence the steps involved in removing a 12008 GSR power supply.
- Identify the functions of the Cisco Systems Capital (CSC) alarm-monitoring facility.
- Identify the characteristics of the Cisco 12004 Gigabit Switch Router.
- Identify the characteristics of the Cisco 12004 GSR power supply and fan tray.
- Identify the characteristics of the Cisco GSR cable management system.
- Identify the features of the Cisco 12004 maintenance bus.
- Identify the characteristics of the Quad OC-3c/STM-1c POS line card.
- Identify the characteristics of the OC-12c/STM-4c POS line card.
- Identify the characteristics of the OC-12c/ STM-4c ATM line card.
- Identify the characteristics of line card onboard memory for Cisco 12000 routers.
- Identify Cisco 12000 Series Gigabit Switch Router (GSR) startup problems.
- Identify guidelines for troubleshooting the power subsystem.
- Identify guidelines for troubleshooting the processor subsystem.
- Identify the guidelines for troubleshooting the 12000 series GSR cooling subsystem.
- Identify the steps involved in loading and running diagnostics.