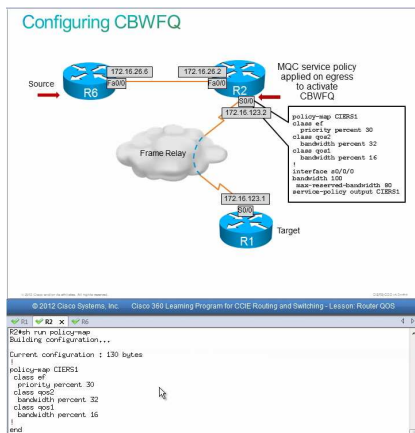


Cisco 360 Learning Program for CCIE Routing and Switching Self-Paced Lessons: Router QoS



The centerpiece of this Lesson Module is the Router QoS video on demand (VoD) instruction. This video series focuses on using the Cisco Modular Quality of Service Command-line Interface (MQC) to deploy a Differentiated Services – DiffServ – quality of service architecture. The split-screen format of each VoD module provides the powerful learning experience of shadowing a Cisco CCIE who is configuring and explaining Router QoS technology.



Duration: Three Hours and Twenty Five Minutes

Each VoD is approximately 10–15 minutes in length, and the approximately forty-five minutes of VoD modules are grouped into one block. There are four blocks total.

Target Audience

The Router QoS lesson is for professional-level networking engineers who have 3–5 years of network engineering experience or who have completed the Cisco CCNP certification. This self-paced Lesson Module is for engineers who need to master CCIE-level problems that involve:

- Formulating a basic understanding of Router QoS deployed using the Differentiated Services Architecture
- Formulate a understanding of deploying Router QoS using the Cisco Modular QoS Command-line Interface (MQC)

Recommended Prerequisites and Corequisites

A CCNP level of understanding of Router QoS is required. It is also recommended that this lesson be completed with these lessons:

- CCIE R&S Lesson: Interior Gateway Routing Protocols (IGP's)
- CCIE R&S Lesson: Troubleshooting

Lesson Module Objectives

Upon completion of this self-paced Lesson Module, learners should be able to formulate well-defined mental simulations to perform the following Router QoS tasks with the minimally described parameters that are commonly found in CCIE-level tasks:

- Attain a basic understanding of Router QoS
- Apply Cisco's Router QoS Differentiated Services tools using the MQC
- Formulate an opening moves strategy to implement Router QoS using the Cisco MQC

Lesson Module Outline

The VoDs in this Lesson Module discuss these topics::

- Introduction to Cisco Router QoS using the Cisco MQC
- Deploying Cisco Router QoS at the Edge Using the MQC Shape and Traffic Policing Tools
- Deploying Cisco Router QoS Congestion Management and Avoidance Techniques Using the MQC
- Formulating a Router QoS Opening Moves Deploying Strategy with the Cisco MQC

For More Information

For more information about Cisco 360 Learning Program for CCIE Routing and Switching, go to www.cisco.com/go/360.

The Cisco 360 Learning Program for CCIE Routing and Switching Learning Portal is available at <http://cisco360.cisco.com>.



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)