NETWORKERS 2004

CISCO SYSTEMS

CCNA PRACTICAL LAB REVIEW

SESSION CERT-1030

CCNA Practical Lab Review

Cisco.com

Event Information

- **Introductions**
- **CCNA Exam Objectives**
- **CCNA Lab Review**
- **CCNA Practice Test Review**

Introductions

Paul Mancuso—Instructor

- **Certified Cisco Systems Instructor**
- **Cisco Product Line Manager for Intense School**
- **15+ Years Networking Experience**
- **Certified in several vendor products including**
  CCNP/MCSE/MCNI/CISSP/Security+/CCSA

Introductions

Tech 2000

- **Tech 2000, Inc.—A Cisco Learning Solution Partner**
- **Over 20 years industry experience**
- **Providing training solutions for the Service Provider and Enterprise Markets**
- **Extensive Custom Development and Delivery Expertise**
- **Bringing blending training and certification preparation through our partnerships with our Sponsored Organizations**
- **www.t2000inc.com — 1-800-433-1482**

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Introductions

Intense School

- *Sponsored Organization of Tech 2000, CLSP*

- **Over 7 Years in Technical Training for Information Technology**

- **Complete end-to-end care for your training needs including a live Mentor for most courses**

- **Locations - Ft. Lauderdale, FL, Columbus, OH, San Diego, CA, Las Vegas, NV, or the Washington D.C. Metro Area**

- **Live-on-Line Synchronous Training**

- **Financing Available**

Recommended Reading

- **CCNA Certification Library**
  CCNA Intro Exam Certification Guide
  CCNA ICND Exam Certification Guide

- **Cisco Intro and ICND Course Curriculum**
  Only offered through Cisco Learning Partners

CCNA Exam Objectives Covered

- **Implementation & Operation**

  Configure routing protocols

  Configure IP addresses, subnet masks, and gateway addresses on routers

  Configure a switch with VLANS and inter-switch communication

  Implement a LAN
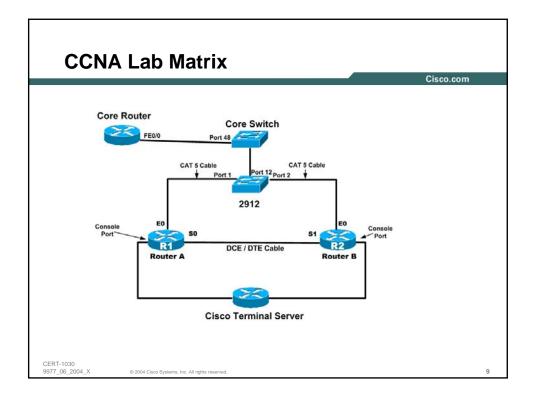
  Perform an initial configuration on a router

  Perform an initial configuration on a switch Implement access lists

  Implement simple WAN protocols

  Implement routing protocols

BEGIN CCNA LAB REVIEW

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CCNA Lab Matrix

Configuring the Catalyst Switch

- **Build a functional access switch configuration to support the specified network operational parameters, given a network design**

- **Configure the switch management IP address and the default gateway, given a functioning access layer switch and an IP addressing scheme**

- **Configure Secured ports to restrict the use of a port to a user-defined group of stations, set with the port secure command**

- **Use Cisco IOS commands to configure VLANs, VTP, IEEE 802.1Q trunking**

Configure the Catalyst Switch

- **Follow along and begin Lab1: Configuring the Catalyst Switch**

Configuring the Cisco Routers

- **Build a functional router configuration to support the specified network operational requirements, given a network design**

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- **Describe the operation of "router on a stick"**

- **Configure the operation of dynamic routing protocols, including RIP, IGRP, EIGRP, and OSPF**

- **Describe the features and operation of dynamic routing protocols, including RIP, IGRP, EIGRP, and OSPF**

- **Configure a PPP connection across a serial link**

- **Configure and Implement an Access List**

Configuring the Cisco Routers

- **Begin Lab2: Basic Router Configuration**

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Configuring the Cisco Routers

- **Continue with Lab 3: Configuring the Routing Protocols**

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Configuring the Cisco Routers

- **Continue Lab 4: Configuring Static NAT (Time Permitting)**

- **Continue Lab 5: Configuring and Implementing Extended Access List (Time Permitting)**

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CCNA Lab Review Exam

- **Browse to www.intenseschool.com/ccna/ccnalabreview.html**

- **15 Question review on today's lab**

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Associated Sessions

- CCNA Case Study: ACD-1001
- Deploying and Troubleshooting NAT NMS-2102
- Introduction to Routing Protocols RST-2303
- Which Routing Protocol RST-2310
- Routing Protocol Deployment RST-2T30
- Troubleshooting and Optimizing the Operation of Cisco Routers

Thank You for Your Attendance

Paul Mancuso

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