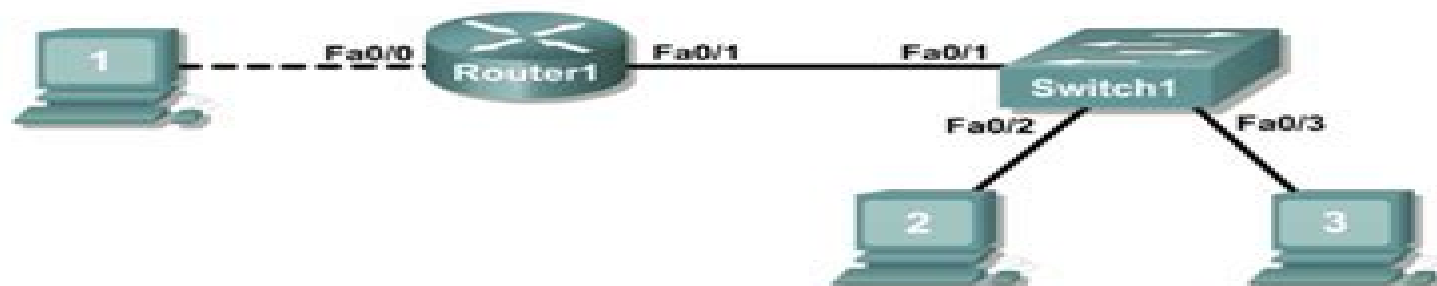


Lab 11.5.1: Basic Cisco Device Configuration

Topology Diagram



Learning Objectives

- Configure Cisco router global configuration settings.
- Configure Cisco router password access.
- Configure Cisco router interfaces.
- Save the router configuration file.
- Configure a Cisco switch.

Background

Hardware	Qty	Description
Cisco Router	1	Part of CCNA Lab bundle.
Cisco Switch	1	Part of CCNA Lab bundle.
*Computer (host)	1	Lab computer.
Console (rollover) cable	1	Connects computer host 1 to Router console port.
UTP Cat 5 crossover cable	1	Connects computer host 1 to Router LAN interface Fa0/0
Straight Through Cable	3	Connects computer hosts to Switch and switch to router

Table 1. Equipment and hardware required for this lab.

Gather the necessary equipment and cables. To configure the lab, make sure the equipment listed in Table 1 is available.

Common configuration tasks include setting the hostname, access passwords, and MOTD banner.

Interface configuration is extremely important. In addition to assigning a Layer 3 IP address, enter a description that describes the destination connection speeds troubleshooting time.

Ccna3 Lab Manual

Shaun Hummel



Ccna3 Lab Manual:

Cisco Networking Academy Program Cisco Systems, Inc, Cisco Networking Academy Program, 2003 bull Content maps to new CCNA 3.0 curriculum bull Additional chapters on difficult topics bull Expanded CD ROM includes 500 CCNA test preparation questions instructional videos PhotoZooms and more e Labs than previous edition **Cisco Networking Academy Program CCNA 3.0 Training Edition** Cisco Networking Academy Program, 2003-04-30 Lab Manual for CCNA Guide to Cisco Networking Kelly Cannon, 2003 **CCNA Security Lab Manual Version 2** Cisco Networking Cisco Networking Academy, 2015-11-09 The Cisco R Networking Academy R course on CCNA R Security is a hands on career oriented e learning solution with an emphasis on practical experience to help students develop specialized security skills to expand their CCENT level skill set and advance their career The curriculum helps prepare students for entry level security career opportunities and the Implementing Cisco IOS R Network Security IINS certification exam 210 260 leading to the Cisco CCNA Security certification The CCNA Security Lab Manual provides all 15 labs from the course designed as hands on practice to develop critical thinking and complex problem solving skills needed to prepare for entry level security specialist careers Through procedural skills integration challenges troubleshooting and model building labs this CCNA Security course aims to develop in depth understanding of network security principles as well as the tools and configurations used *CCNA Security Lab Manual Version 2*, 2015 **CCNA Lab Manual for Cisco Networking Fundamentals** Kelly Cannon, Kurt Hudson, 1999-10 CD ROM includes a limited version of MeasureUp s CCNA test prep software including 50 sample exam questions and a test engine Page xiii *The British National Bibliography* Arthur James Wells, 2004 **CCNA V3 Lab Guide** Shaun Hummel, 2017-02-27 CCNA v3 Lab Guide Routing and Switching 200 125 provides the configuration skills necessary to pass the CCNA v3 exam The CCNA 200 125 candidate must answer technical questions and have the skills required to configure verify and troubleshoot network connectivity There are 44 labs that start from basic global configuration to more complex network troubleshooting of routers and switches There is coverage of IPv6 addressing WAN connectivity ACLs and NAT that are all based on CCNA v3 exam guidelines The troubleshooting questions are a key aspect of the CCNA exam You will learn a standard troubleshooting methodology required for CCNA v3 style questions The step by step format includes analysis and resolution of errors In addition there is an extended lab with multiple routing and switching errors The lab guide is based on the book CCNA v3 Routing and Switching 200 125 Official Cisco CCNA v3 Routing and Switching Download Packet Tracer and 44 Ready Labs Initial Global Configuration System Management Device Security VLANs Access Ports Port Security Static Trunking EtherChannel Rapid STP PortFast IPv4 Addressing Subnetting Static and Default Routes Multi Area OSPF EIGRP for IPv4 RIPv2 ACLs NAT Inter VLAN Routing Default Gateway DHCP eBGP IPv6 Addressing Link Local SLAAC Global Unicast Network Troubleshooting Traceroute Ping IOS Tools **CCNA Lab Manual for Cisco Routing** Kelly Cannon, 2000 **CCNA Lab Manual for CCNA Guide to Cisco Routing** Kelly

Cannon,2001-07-01 **CCNA 1-2 Networking Basics V3.1** ,2003 CCNA Security Lab Manual Version 1.1 Cisco Networking Academy,2012 The only authorized Lab Manual for the Cisco Networking Academy CCNA Security course The Cisco Networking Academy course on CCNA Security provides a next step for students who want to expand their CCNA level skill set to prepare for a career in network security The CCNA Security course also prepares students for the Implementing Cisco IOS Network Security IINS certification exam 640 554 which leads to the CCNA Security certification The CCNA Security Lab Manual provides you with all 16 labs from the course designed as hands on practice to master the knowledge and skills needed to prepare for entry level security specialist careers All the hands on labs in the course can be completed on actual physical equipment or in conjunction with the NDG NETLAB solution For current information on labs compatible with NETLAB go to <http://www.netdevgroup.com/content/cnap> Through procedural skills integration challenges troubleshooting and model building labs this CCNA Security course aims to develop your in depth understanding of network security principles as well as the tools and configurations used Bibliografía española ,2004-11 *Switching Basics and Intermediate Routing* Allan Johnson,2006-07 The completely revised and only authorized Labs and Study Guide for the Cisco Networking Academy Program CCNA 3 curriculum A portable classroom resource that supports the topics in the CCNA 3 curriculum aligning 1 1 with course modules Includes all the labs in the online curriculum as well as additional instructor created challenge labs for extended learning and classroom exercises Written by leading Academy instructor Allan Johnson who brings a fresh voice to the course material The all new Labs and Study Guide titles combine the best of the former Lab Companions and Engineering Journal and Workbooks with new features to improve the student s hands on skills and reinforce the topics for each CCNA course Switching Basics and Intermediate Routing CCNA 3 Labs and Study Guide is a complete collection of the lab exercises specifically written for the CCNA 3 course in the Cisco Networking Academy Program designed to give students hands on experience in a particular concept or technology Each lab contains an introductory overview a preparation tools required section explanations of commands and step by step instructions to reinforce the concepts introduced in the online course and covered in the Companion Guide NEW Challenge labs written by Academy instructors tested in their classrooms will be included as additional or alternative labs The Study Guide section is designed to provide additional exercises and activities to reinforce students understanding of the course topics preparing them for the course assessments As a study guide it will also continue to provide ample writing opportunities to guide students into the habit of keeping notes on networking topics CCNA 3 and 4 Lab Companion and Engineering Journal Workbook Cisco Press, None, Pearson Education, Limited,2004-12-01 CCNA Exploration ,2010 **CCNA Exploration 4.0** ,2009 *CCNA 200-301 Lab Guide* Shaun Hummel,2020-03-09 CCNA 200 301 Certification Lab Guide CCNA certification has become increasingly difficult and requires proper preparation to pass the exam This lab guide is designed to prepare you 100% for the new exam Learn all CCNA topics with a configuration oriented learn by doing approach Practice

and verify your CLI technical skills with simulation labs that include configuration and operational commands Cisco is aligning the new CCNA 200 301 certification exam with a shift to internet based connectivity model and IP only routing The new exam removes all routing protocols except OSPFv2 There is a significant amount of wireless automation and cyber security topics That is attributed to the popularity of mobility services cloud computing and SDN The management of network infrastructure has radically changed with open source architecture Cisco has programmable network devices and virtualization of physical equipment CCNA engineers now support private and cloud data center connections CCNA 200 301 Certification Lab Guide Learn Cisco CLI configuration skills Setup Your Own Virtual Lab Network Access IP Connectivity Wireless Security IP Services Simulation Practice Labs CCNA Configuration Tool CCNA IOS Show Commands Shaun Hummel is author of certification books video courses and recipient of Cisco spotlight awards 15 years of experience with Fortune 100 companies large data centers certification training and globally connected infrastructure www.cisconetsolutions.com CCNA 1 V7 Labs and Study Guide Allan Johnson,2020-04-13 The only authorized Labs Study Guide for the Cisco Networking Academy Introduction to Networks v7 0 ITN course in the CCNA Routing and Switching curriculum This book provides an introduction to IT and Networking and is suitable for learners with an interest in IT Each chapter of this book is divided into a Study Guide section followed by a Lab section The Study Guide sections offer exercises that help you learn the concepts configurations and troubleshooting skills crucial to your success as a CCNA exam candidate Each chapter is slightly different and includes some or all of the following types of exercises Vocabulary Matching Exercises Concept Questions Exercises Skill Building Activities and Scenarios Configuration Scenarios Packet Tracer Exercises Troubleshooting Scenarios The Labs Activities sections include all the labs and Packet Tracer activities from the online curriculum If applicable this section begins with a Command Reference an exercise where the reader matches commands *CNU Chemistry Lab Manual* Shima,2017-08-15

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Table of Contents Ccna3 Lab Manual

1. Understanding the eBook Ccna3 Lab Manual
 - The Rise of Digital Reading Ccna3 Lab Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Ccna3 Lab Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Ccna3 Lab Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Ccna3 Lab Manual
 - Personalized Recommendations
 - Ccna3 Lab Manual User Reviews and Ratings
 - Ccna3 Lab Manual and Bestseller Lists
5. Accessing Ccna3 Lab Manual Free and Paid eBooks
 - Ccna3 Lab Manual Public Domain eBooks
 - Ccna3 Lab Manual eBook Subscription Services
 - Ccna3 Lab Manual Budget-Friendly Options
6. Navigating Ccna3 Lab Manual eBook Formats

- ePub, PDF, MOBI, and More
- Ccna3 Lab Manual Compatibility with Devices
- Ccna3 Lab Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Ccna3 Lab Manual
 - Highlighting and Note-Taking Ccna3 Lab Manual
 - Interactive Elements Ccna3 Lab Manual
- 8. Staying Engaged with Ccna3 Lab Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Ccna3 Lab Manual
- 9. Balancing eBooks and Physical Books Ccna3 Lab Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Ccna3 Lab Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Ccna3 Lab Manual
 - Setting Reading Goals Ccna3 Lab Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ccna3 Lab Manual
 - Fact-Checking eBook Content of Ccna3 Lab Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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hole in the skull where the spine extends from the brain. It is in ... Chapter 16 Primate Evolution 1. When hominids moved from living primarily in treetops to living on the ground, they became _____. Need a Hint? ; 1. When hominids moved from living primarily ... Chapter 15 and 16 Study Guide Answers Chapter 15 and 16 Study Guide Answers. Section 15-1.

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