

Cisco A Beginners Guide

[#Cisco for beginners](#) [#learn Cisco networking](#) [#Cisco fundamentals](#) [#CCNA guide](#) [#network essentials](#)

Embark on your journey into network essentials with this comprehensive Cisco beginners guide. Learn Cisco networking fundamentals, understand key concepts, and prepare for your first steps towards professional IT networking with practical, easy-to-follow explanations designed for new learners.

These articles serve as a quick reference for both beginners and advanced learners.

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Cisco A Beginners Guide

Cisco Packet Tracer | Everything You Need to Know - Cisco Packet Tracer | Everything You Need to Know by CertBros 236,535 views 2 years ago 17 minutes - Disclaimer: These are affiliate links. If you purchase using these links, I'll receive a small commission at no extra charge to you.

Intro

Installation

First look

Building a basic network

Simulation mode

Configuring CISCO Switch at work | CISCO commands, real world best practice - Configuring CISCO Switch at work | CISCO commands, real world best practice by East Charmer 272,887 views 3 months ago 10 minutes, 26 seconds - cisco, #ciscoswitch #itprofessional #itsupport #computernetworking.

How to Study and PASS the CCNA in 2023/2024 - How to Study and PASS the CCNA in 2023/2024 by Garrett Garcia 18,591 views 4 months ago 7 minutes, 56 seconds - Thank you for taking the time watching this video and supporting the channel. Feel free to like, or subscribe if you want to see ...

Intro

My Experience

Watch YouTube Videos

Take Notes

Flashcards

Summary

Cheat Sheets

THANK YOU SUBSCRIBERS! All 300K - FINALE of Blessings- Live Chat with Danny and Wanda - THANK YOU SUBSCRIBERS! All 300K - FINALE of Blessings- Live Chat with Danny and Wanda by Deep South Homestead 11,710 views Streamed 1 day ago 1 hour, 24 minutes - 300000 SUBSCRIBERS Thank You Tonight we will be blessing a few people with a large variety of gifts. Join us tonight and LET'S ...

CCNA is a waste of time - I explain why. - CCNA is a waste of time - I explain why. by UnixGuy | Cyber Security 68,897 views 1 year ago 9 minutes, 43 seconds - In this video I explain in detail why I don't recommend **beginners**, to do CCNA. Before you leave a disrespectful comment, make ...

Intro

Cisco

My experience

Technology evolved

Career fields

Comments

Network Fundamentals

Learning Opportunities

Conclusion

Watch This BEFORE Starting In Networking - Watch This BEFORE Starting In Networking by The Bearded I.T. Dad 12,399 views 2 months ago 34 minutes - If you're interested in starting a career as a network engineer, this is the video for you! In this video, we'll teach you everything you ...

Keith Bogart

Cisco CCNA

Resources for CCNA

CCNP lab Options

What's After CCNA

Get a Job With No Experience

Impact of Cloud and AI on Networking

Who Should Get Cisco's CCIE

Get Your First Networking Job

Keeping Current

Keep Learning

Home Networking 101 - How to Hook It All Up! - Home Networking 101 - How to Hook It All Up! by Budget Nerd 4,670,496 views 5 years ago 8 minutes, 30 seconds - In this a very nerdy, and requested video. We will be going over the basics of Home Networking. How to hook everything up, and ...

IP Addresses

ISPs

Modems

Switches

Routers

Access Points

Combo Units

My Network

What can you do w/ home network

DO NOT design your network like this!! // FREE CCNA // EP 6 - DO NOT design your network like this!! // FREE CCNA // EP 6 by NetworkChuck 3,035,236 views 3 years ago 19 minutes - **Sponsored by Boson Software SUPPORT NETWORKCHUCK ----- Become a YouTube ...

Intro

a BAD NETWORK

the 2-tier Network Design

the 3-tier Network Design

look at this MASSIVE switch!!

Company Network Design & Implementation Using Cisco Packet Tracer | Enterprise Network Project #6 - Company Network Design & Implementation Using Cisco Packet Tracer | Enterprise Network Project #6 by Gurutech Networking Training 134,667 views 1 year ago 2 hours, 1 minute - How to Design and Implement Enterprise Networking Project on **Cisco**, Packet Tracer Company Business Network Design and ...

Requirements

Eight Configure Basic Settings

Analyzing this Case Study

The Access Layer

Serial Connection

Configuration

Configure Console Password

Multi-Layer Switches

Configure Ssh

Configure Ip Domain Name

Configure the Version of Ssh

Assigning Vlan Numbers

Configuring Vlans to Sales Switch

Configure Support Security

Layer Three Switches

Vlans

Trunk Ports

Subnetting and Ip Addressing

Addressing Table

Allocate the Networks on the Network

Ip Addresses

Configure Clock Rate

Configure Appearance

Configure Ospf on There Routers and Layer 3 Switches

Speed Routers

Finance Pool

Configure Integration Routing

Wireless Network Configuration

Configure Port Address Translation plus Access Control Lists

Access Control List

Copy the Configuration

Configure Default Static Route

Configure the Fold Outs on the Two Routers

Verify the Configuration

Test Dcp

Ssh

Ethical Hacking in 12 Hours - Full Course - Learn to Hack! - Ethical Hacking in 12 Hours - Full Course

- Learn to Hack! by The Cyber Mentor 4,646,581 views 2 years ago 12 hours - A shout out to all those involved with helping out on this course: Alek - Creating "Academy", "Dev", and "Black Pearl"

Capstone ...

Who Am I

Reviewing the Curriculum

Stages of Ethical Hacking

Scanning and Enumeration

Capstone

Why Pen Testing

Day-to-Day Lifestyle

Wireless Penetration Testing

Physical Assessment

Sock Assessment

Debrief

Technical Skills

Coding Skills

Soft Skills

Effective Note Keeping

Onenote

Green Shot

Image Editor

Obfuscate

Networking Refresher

Ifconfig

Ip Addresses

Network Address Translation

Mac Addresses

Layer 4

Three-Way Handshake

Wireshark

Capture Packet Data

Tcp Connection

Ssh and Telnet

Dns

Http and Https

Smb Ports 139 and 445

Static Ip Address

The Osi Model

Osi Model

Physical Layer

The Data Layer

Application Layer

Subnetting

Cyber Mentors Subnetting Sheet

The Subnet Cheat Sheet

Ip Addressing Guide

Seven Second Subnetting

Understanding What a Subnet Is

Install Virtualbox

Vmware Workstation Player

Virtualbox Extension Pack

Tribune Reveal | Is This The BEST Level 50 Ship In Star Trek Fleet Command? | Romulan Battleship
- Tribune Reveal | Is This The BEST Level 50 Ship In Star Trek Fleet Command? | Romulan Battleship
by Rev Deuce 10,481 views 6 days ago 12 minutes, 59 seconds - Well @everyone is my favorite time
of year! NEW SHIP TIME! I've been working and saving for awhile to be able to bring out this ...

Basics of Cisco Packet Tracer (Part 1) - Basics of Cisco Packet Tracer (Part 1) by Neso Academy
1,129,892 views 4 years ago 12 minutes, 26 seconds - Computer Networks: Basics of **Cisco**, Packet
Tracer (Part 1) Topics discussed: 1) The download procedure of **Cisco**, Packet Tracer.

Outcomes

What Is the Cisco Packet Tracer

How To Download the Cisco Packet Tracer

Download the Cisco Packet Tracer

Routers

Establish a Peer-to-Peer Network

Ethernet Crossover Cable How To Use Crossover Cable

CCNA Course for Beginners - Full Course 10.5 Hours (Part 1) - CCNA Course for Beginners - Full
Course 10.5 Hours (Part 1) by Naj Qazi 66,806 views 1 year ago 10 hours, 34 minutes - To wish you
a happy new year, as my gift to you, I decided to launch my CCNA course on YouTube to help you
kickstart 2023 in ...

Intro & Instructor's Background

CCNA Course Topics Overview

Section 1: Part 1 - Network Fundamentals - OSI Model - Topics Overview

OSI Model vs. TCP-IP Model

OSI Model - Encap & Decap

OSI Layer 7 - Application Layer

OSI Layer 4 - Transport Layer

OSI Layer 3 - Network Layer

OSI Layer 2 - Data Link Layer

OSI Layer 1 - Physical Layer

Section 1: Part 2 - Network Fundamentals - Network Architectures & CLI Basics - Topics Overview

3-Tier Campus Network Design

Cisco Campus Switching Hardware Portfolio

WAN - Circuit Switched vs. Packet Switched Network

WAN - Metro Ethernet

WAN - MPLS

WAN - SOHO DSL & Cable Architecture

WAN - Wireless WAN

WAN - Service Provider POP Design

Cisco Routing Hardware Portfolio

Basics of Cisco CLI

Section 2: Part 1 - LAN: Wired & Wireless - LAN Switching Concepts - Topics Overview

Ethernet Overview

What is MAC Address

Ethernet Frame Architecture

Switching Fundamentals: Hub vs. L2 Switch vs. MLS

Collision Domain vs. Broadcast Domain

How does a switch build it's MAC table

ARP Overview

ARP Deep Dive

VLAN Overview

VTP Overview
VTP Configuration
Trunking Overview
DTP Overview
Switch Port Modes
Trunk Configuration
CCDP & LLDP Overview
STP Overview
STP Deep Dive
PVST Overview
RSTP Overview
STP Optional Features
STP CLI
EtherChannel Overview | PAgP vs. LACP
Layer 2 EtherChannel Overview & Config
Layer 3 EtherChannel Overview & Config
Inter VLAN Routing Overview
Inter VLAN Routing - Router on a Stick
Inter VLAN Routing - SVI
Section 2: Part 3 - LAN: Wired & Wireless - Wireless Deep Dive - Topics Overview
Wireless LAN Overview
Wireless LAN Design Basics
Wireless LAN Topologies Overview
Wireless LAN Channels & Bands Overview
Wireless LAN 802.11 Standards Overview
Wireless LAN Architectures Overview
Wireless LAN Deployment Models Overview
Wireless LAN Security Overview
Wireless LAN Security Deep Dive
Section 3: Part 1 -IP Addressing & Routing - IPv4 Subnetting - Topics Overview
IPv4 Overview
IPv4 Binary to Decimal Conversion Chart
IPv4 Address Classes | Classful vs. Classless IP Addressing
Private vs. Public IP Addressing
NAT Overview
IPv4 Subnetting: How to Subnet Networks
IPv4 Subnetting: How to Subnet Hosts
Section 3: Part 2 -IP Addressing & Routing - IPv4 Routing Deep Dive - Topics Overview
IPv4 Routing Overview
Routing Protocols vs. Routed Protocols
What's the Job of a Routing Protocol
IGP vs. EGP
Routing Classification & Types
Routing Algorithms - Distance Vector vs. Link State
How Does Routing Table Work
Static Routing Overview & Configuration
Static Route, Default Route & Floating Static Route Overview & Configuration
Section 3: Part 3 -IP Addressing & Routing - OSPF Deep Dive - Topics Overview
Static vs. Dynamic Routing Review
OSPF Overview
OSPF Areas & Terminology
OSPF LSA Types
OSPF Header Packet Types
OSPF Neighbor Adjacency Formation - 7 States
OSPF Neighbor Adjacency Requirements
OSPF Network Types + DR & BDR Election
OSPF Metric - Cost
OSPF Configuration & Lab
OSPF Router ID & Interface Priority

OSPF Route Summarization Overview & Configuration

OSPF Default Routes Overview & Configuration

OSPF Show & Verification Commands

CCNA Made Easy: Your Beginner's Guide to Cisco Networking - CCNA Made Easy: Your Beginner's Guide to Cisco Networking by Innovated Store 152 views 1 year ago 3 hours, 46 minutes - Welcome to "CCNA Made Easy: Your **Beginner's Guide**, to **Cisco**, Networking"! In this video, we'll take you through the basics of ...

Free CCNA | Network Fundamentals - Day 1 | 200-301 | Cisco Training - Free CCNA | Network Fundamentals - Day 1 | 200-301 | Cisco Training by NetworkKing 5,328,354 views 10 years ago 28 minutes - FreeCCNA #CCNA #ImranRafai - Network Fundamentals - Day 1 - This is a Free series on **Cisco**, CCNA. In this video lecture, ...

Network Fundamentals

What Is a Network

Osi Models

Catfight Cable

Local Area Network

Speed of Internet

Difference between Bit and Byte

Network Topology

Bus Topology

Review

Networking basics (2024) | What is a switch, router, gateway, subnet, gateway, firewall & DMZ -

Networking basics (2024) | What is a switch, router, gateway, subnet, gateway, firewall & DMZ by IT k Funde 4,813,714 views 3 years ago 14 minutes, 58 seconds - Networking basics (2023) | What is a switch, router, gateway, subnet, gateway, firewall & DMZ #networkingbasics #switch #router ...

Cisco packet tracer tutorial for beginners in easy way!! - Cisco packet tracer tutorial for beginners in easy way!! by Yogesh Gophane 399,338 views 6 years ago 9 minutes, 11 seconds - Router Switch and Machine connection and stimulation Enjoy!! Like Share Subscribe.

What is a SWITCH? // FREE CCNA // Day 1 - What is a SWITCH? // FREE CCNA // Day 1 by NetworkChuck 1,414,984 views 3 years ago 23 minutes - 0:00 Intro 1:23 What is a SWITCH? 2:51 Start using Packet Tracer 3:26 Why HUBS suck 5:38 Labbing HUB traffic ...

Intro

What is a SWITCH?

Start using Packet Tracer

why HUBS suck

Labbing HUB traffic

Labbing SWITCH traffic

How does a switch work?!?!?

Your 1st Cisco CLI command!!!!!!

Labbing Wireless traffic

QUIZ TIME!!!! (test your knowledge)

Cisco CLI for Beginners | Network Fundamentals Part 10 - Cisco CLI for Beginners | Network Fundamentals Part 10 by Network Direction 277,355 views 4 years ago 32 minutes - Cisco, CLI for **Beginners**, | Network Fundamentals Part 10 You've been following on for a while, and now it's time to get your keys ...

Introduction

Physical Overview

Connecting to the router

Getting used to the CLI

Configuring an Interface

Remote Access

Running Config and Filesystem

Lab Options

Search filters

Keyboard shortcuts

Playback

General

Subtitles and closed captions

Spherical videos

