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NETWORK ADMINISTRATOR

WELCOME TO NATIVEVA | CERTIFIED NETWORK ADMINISTRATOR LIVE CLASS IN தமிழ்

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About Nativeva

Nativeva is a next-gen cybersecurity education company, built by professionals who've walked the path. We're not just trainers—we're ethical hackers, penetration testers, and mentors who believe in real-world learning over theory-heavy fluff.

We're here to shape tomorrow's cybersecurity experts—with industry-aligned content, hands-on labs, and personal mentorship.

Meet Your Mentor

"I don't just teach networking — I live it every single day."

— Dhiraj Kumar

About : Dhiraj Kumar

- A globally recognized Cybersecurity Expert with 7+ years of industry experience.
- Proficient in building scalable web applications, enterprise solutions, and secure digital infrastructures.
- Ranked among the Top 10 CEH Masters worldwide on the EC-Council Leaderboard.
- Founder & CEO of Cyfoxgen Pvt Ltd, and CTO for multiple tech ventures driving innovation in software, cloud, and security.
- Multi-disciplinary skills in web development, app development, hardware engineering, and game development.
- Passionate about mentoring the next generation of developers and cybersecurity professionals.

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Who Is This For?

This Course Is Perfect For

- **Aspiring Networking Admin / Hackers**
  Just starting your journey in Networking? This course will fast-track your foundations and prepare you for certifications like CCNA.

- **CCNA Learners & Certificate Holders**
  If you've completed or are pursuing CCNA and want to go deeper into practical, hands-on Networking skills—this is your next step.

- **Computer Science & IT Students**
  Want to stand out in a crowded field? Learn Networking while you study.

- **IT Professionals & Network Admins**
  Already in tech but want to pivot into Networking ? We teach you how to make job ready Projects your existing knowledge.

- **Bug Bounty Hunters**
  If you're doing bug bounties but want to learn about computer netwoking —this is for you.

- **Freelancers & Side Hustlers**
  Add Networking to your skill stack and start earning from day one.

Whether you're a student or a job-seeker—
Nativeva gives you the tools to turn passion into profession.

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📢 About the Program

A live, mentor-led course designed to help you think like a ccna professional. Inspired by the ccna standard, this course focuses on real-world networking skills

🗓️ LIVE CLASS SCHEDULE:

- **Start Date**: 1st Feb 2026
- **Duration**: 2 Month's'
- **Format**: Live Online Sessions
- **Days**: Weekdays & Weekend
- **Time**: 8 PM – 10 PM IST
- **Language**: தமிழ்

💻 DELIVERY MODE:

- 100% Online (Google Meet)
- Access to Labs & Tools via Nativeva Portal
- Session Recordings Provided (Lifetime Access)

🎓 OUTCOME:

By the end of this program, you'll be equipped to:

1. Crack ccna-level challenges
2. Perform real-world network testing
3. Build professional networking reports
4. Apply for junior to mid-level Network admin roles

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1. Welcome

- Welcome to the course
- Network Basics: What is a Network?
- What is a Switch? A Router? What network is this? And what are these?
- Answering your questions
- Tips and Tricks

2.Download and Install Recommended Software

- Download and Install Packet Tracer (Windows)
- Download and Install Packet Tracer (macOS)
- Packet Tracer Tips and Tricks
- Packet Tracer vs Physical Equipment

3. Build a network with me

- Build your first network with Packet Tracer
- Build a Web Server network for free using Cisco Packet Tracer
- How does a Switch learn MAC addresses? What is a MAC address table?
- Why is ARP used in networks?

4. TCP/IP Model * TCP/IP Model vs OSI Model

- TCP/IP Model: Where are the devices and protocols?
- TCP/IP Model: PDUs and Encapsulation & Decapsulation
- TCP/IP Model: Packet Tracer Lab
- TCP/IP Model: Real World Wireshark Lab

5. IP Addressing

- IP Addressing Overview and Demonstration
- IP Characteristics and IPv4 Address Format
- Network versus Host portion
- IPv4 Address format (Street Analogy) and Address Classes
- Class A and B addresses
- Class C, D, E, A and B addresses
- Special IPv4 Addresses and Directed Broadcast Address
- Local Broadcast Address

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- Local Loopback Address
- RFC1918 - Private Addresses
- RFC1918 - Class A, B, C and IPv4 Link Local Addresses
- Subnet Masks
- Subnet mask demonstrations and Discontiguous Network Masks
- CIDR Notation Part 1 and Part 2
- CIDR Notation Part 3

6.Binary

- Binary Introduction
- Binary Math
- Binary Conversion Examples
- Converting IP Addresses to Binary

7.Hexadecimal

- Hexadecimal - why do we care?
- Hexadecimal - Lab demonstration
- Hexadecimal calculations

8.Initial Device Configuration

- How to connect to a Cisco router or switch
- Initial Device Configuration - Switches
- Router initial configuration
- Build a basic Cisco network

9.IP Subnetting

- IP Subnetting Part 1
- IP Subnetting Part 2
- IP Subnetting Part 3
- IP Subnetting Part 4
- IP Subnetting Part 5

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10.IP Subnetting

- IP Subnetting Part 1
- IP Subnetting Part 2
- IP Subnetting Part 3
- IP Subnetting Part 4
- IP Subnetting Part 5

11.Subnetting Packet Tracer Lab 2

- Subnetting Lab 2 - Can you complete the lab?
- Subnetting Lab 2 - Answers Part 1
- Subnetting Lab 2 - Answers Part 2

12.IPv4 Subnetting Cheat Sheet

- PacketLife.net IPv4 Subnetting Cheat Sheet

13.Subnetting VLOGs - do you know the answers?

- #050: CCNA IP addressing and subnetting: Are these hosts on the same subnet?
- #051: CCNA IP addressing and subnetting: Can these hosts ping each other?
- #053: CCNA IP addressing and subnetting: Can these hosts ping each other?
- #079: IP Addressing and IP Subnetting for the CCNA Exam (Part 1). Practical IP S
- #080: IP Addressing and IP Subnetting for the CCNA Exam (Part 2). Practical IP S
- #081: IP Addressing and IP Subnetting for the CCNA Exam (Part 3). Practical IP S
- #083: IP Addressing and IP Subnetting for the CCNA Exam (Part 4). Practical IP S

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14.Broadcast and collision domains

- Can you answer the questions?
- Answers Part 1: ARP
- Answers Part 2: Broadcast and Collision domains
- Answers Part 3: Broadcast and Collision domains

15.Duplex and Speed Mismatch Demo

- Duplex and Speed Mismatch Demo
- Speed & Duplex Demo: Introduction
- Speed & Duplex Demo: Late Collisions
- Speed & Duplex Demo: Fix Issue between router and switch
- Speed & Duplex Demo: Fix Other Switch Issues
- Speed & Duplex Demo; PC and Switch

16.What is a loopback?

- What is a loopback? Why is it used?
- Another reason to use a loopback - OSPF

17.TCP UDP

- IP Connectionless and Overview
- Comparison
- TCP Header and Applications
- Port Number
- TCP 3 Way Handshake
- TCP Acknowledgement and Windowing
- TCP Seq and Ack

18.Wireshark Introduction

- Why use Wireshark?
- Wireshark Installation: Windows
- Wireshark Installation: Mac OS

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19.Wireshark Basics

- The best way to learn!
- Capture frames / packets / segments
- Why are no packets captured?
- Port SPAN / Mirroring

20.VLANs v1

- VLANs Part 1
- VLANs Part 2

21.VLANs Cheat Sheet

- PacketLife.net VLANs Cheat Sheet

22.VLANs and 802.1Q Demos

- Demo Overview
- Demo Part 2: Access Ports
- Demo Part 3 - Trunking
- Demo Part 4 - Wireshark
- Demo Part 5 - Wireshark
- Demo: InterVLAN Routing Part 1
- InterVLAN Routing Part 2

23.VLAN: Basic Campus Network: Packet Tracer Lab

- Lab Overview: Can you complete the lab?
- VLANs Campus Network Answers Part 1
- VLANs Campus Network Answers Part 2
- VLANs Campus Network Answers Part 3

24.Dynamic Trunk Protocol - DTP

- DTP Theory
- DTP GNS3 Demo Part 1
- DTP GNS3 Demo Part 2
- DTP GNS3 Demo Part 3

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25.Wireshark Practical Test: How well do you know DTP?

- DTP: Will a trunk be formed?
- DTP: Answer

26.Spanning Tree

- Spanning Tree Overview
- Versions of Spanning Tree
- Why is Spanning Tree Required?
- BPDUs and Bridge IDs
- Demo: STP Root
- Root Ports and Designated Ports
- Extended Bridge ID and PortFast
- Path Cost Part 1
- Path Cost Part 2
- PVST versus RPVST Port States
- RPVST, PVST Interoperability and 802.1w and 802.1s Overview
- 802.1w
- Demo: 802.1w
- 802.1w Link Types
- 802.1w Proposals
- 802.1s / MSTP
- Spanning Tree Comparison Summary

27.Disable Spanning Tree - are you crazy?

- What happens when you disable Spanning Tree?
- I disabled Spanning Tree! What are the Results?

28.Spanning Tree PortFast: Packet Tracer Lab

- Spanning Tree PortFast: Project
- Spanning Tree PortFast: Answers

29.Spanning Tree Protection

- Spanning Tree Root Guard and BPDU Guard
- Spanning Tree BPDU Filtering and Loop Guard

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30.Spanning Tree Root Guard Lab

- Spanning Tree Root Guard Lab: Project
- Spanning Tree Root Guard Lab: Answers

31.Spanning Tree BPDU Guard Lab

- Spanning Tree BPDU Guard Lab: Project
- Spanning Tree BPDU Guard Lab: Answers

32.Spanning Tree Cheat Sheet

- PacketLife.net Spanning Tree Cheat Sheet

33.CDP Overview

- CDP Introduction
- CDP Demo

34.CCNA Campus VLOGs (6 lectures)

- CCNA VLOG #065: Routed ports, Switchports and SVIs - what and how?
- CCNA VLOG #066: How to configure Layer 3

35.Campus Network Troubleshooting (6 lectures)

- CCNA VLOG #042 Campus troubleshooting scenario 1: Can you find the issue?
- CCNA VLOG #043 Campus troubleshooting scenario 2: Can you find the issue?
- CCNA VLOG #045 Users cannot ping? Which layer of the OSI model broke?
- CCNA VLOG #052 Campus troubleshooting scenario 3: Can you find the issue?
- CCNA VLOG #060: LAN and WAN troubleshooting Scenario: Can you find the issue?
- CCNA VLOG #069: MAC Address troubleshooting scenario 1: Can you find the issue?

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36.Packet Tracer Campus Network: Part 1

- Packet Tracer Campus Network Overview: Project
- Packet Tracer Campus Network: Answers Part 1: Power on and hostname configuration
- Packet Tracer Campus Network: Answers Part 2: Port configuration
- Packet Tracer Campus Network: Answers Part 3: Passwords
- Packet Tracer Campus Network: Answers Part 4: VTP and VLANS
- Packet Tracer Campus Network: Answers Part 5: Access ports and trunk ports

37.Packet Tracer Campus Network: Part 2

- Packet Tracer Campus Network Part 2 Overview: Can you complete the lab?
- Packet Tracer Campus Network Part 2: Answers Part 1: CDP & LLDP
- Packet Tracer Campus Network Part 2: Answers Part 2: CDP and LLDP
- Packet Tracer Campus Network Part 2: Answers Part 3: Spanning Tree
- Packet Tracer Campus Network Part 2: Answers Part 4: EtherChannel
- Packet Tracer Campus Network Part 2: Answers Part 5: EtherChannel
- Packet Tracer Campus Network Part 2: Answers Part 6: SVIs, IP addresses, routing
- Packet Tracer Campus Network Part 2: Answers Part 7: Access Switch IP addresses

38.Routing Introduction

- Introduction to IP Routing and Routed vs. Routing Protocols
- Routed protocols and Demonstrations
- Static Routes and Dynamic Routes
- Static vs. Dynamic Routing
- How do routers determine the best route?
- Terms: AS, IGPs, EGPs
- Types of Routing Protocols - Distance Vector, Link State
- EIGRP - advanced distance vector routing protocol and Administrative Distance

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- Additional AD values
- How does a router route when told conflicting information?
- Classful routing protocols
- Auto summarization
- Classless routing protocols
- Administrative Distance versus mask length
- Administrative Distance and multiple routes with the same mask
- Link State Routing Protocols
- OSPF Hierarchy - Multiple areas
- Benefits of link state routing and Drawbacks of link state routing
- Static Routing

39.Static Routing

- Static Routing 1
- Static Routing 2
- Static Routing 3
- Static Routing 4
- Static Routing 5
- Static Routing 6: Default Routes
- Static Routing 7: Remove Static Routes

40.Static Routes: Packet Tracer Lab

- Static Routes: Project
- Static Routes: Answers

41.IP Default-gateway? (CCNA VLOG)

- IP default gateway versus default route? (CCNA VLOG #004)

42.Router on a stick

- Router on a stick overview and create topology
- Router configuration and Wireshark capture of 802.1Q frames

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43.Router on a stick: Packet Tracer lab

- Router on a stick lab overview: Can you complete the lab?
- Router on a stick solution

44.DHCP

- DHCP Explained Step by Step Part 1
- DHCP Explained Step by Step Part 2

45.Using Cisco IOS Network Devices as a DHCP Server and Client (GNS3)

- GNS3 DHCP Server Part 1
- GNS3 DHCP Server Part 2

46.DHCP Server Configuration Lab 1

- DHCP Server Lab 1 Overview: Project
- DHCP Server Lab 1 Solution

47.DHCP Server Configuration Lab 2

- DHCP Server Lab Overview: Project
- DHCP Server Lab2 Answers

48.DHCP Troubleshooting

- CCNA VLOG #047 DHCP Troubleshooting Scenario 1
- CCNA VLOG #055 DHCP Troubleshooting Scenario 2
- CCNA VLOG #056 DHCP Troubleshooting Scenario 3

49.DNS

- DNS Explained Part 1
- DNS Explained Part 2

50.VLSM

- VLSM - Part 1
- VLSM - Part 2

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51.Administrative Distance and Route lengths

- Administrative Distance Part 1 (CCNA VLOG #014)
- Administrative Distance Part 2 (CCNA VLOG #016)
- Administrative Distance Part 3 (CCNA VLOG #017)
- Administrative Distance Part 4 (CCNA VLOG #018)

52.Packet Tracer Campus Network: Part 3

- Packet Tracer Campus Network Part 3: Can you complete the lab?
- Packet Tracer Campus Network Part 3: Answers Part 1: HSRP Part 1
- Packet Tracer Campus Network Part 3: Answers Part 2: HSRP Part 2
- Packet Tracer Campus Network Part 3: Answers Part 3: HSRP & testing
- Packet Tracer Campus Network Part 3: Answers Part 4: EIGRP

53.First Hop Redundancy Cheat Sheet

- PacketLife.net First Hop Redundancy Protocol Cheat Sheet

54.Network Time Protocol (NTP)

- NTP Overview and Demo: Issue on Network
- Configure NTP
- Points to remember

55.NTP and Syslog: Packet Tracer Lab

- NTP and Syslog: Project
- NTP and Syslog: Answers

56.Real world network management (Optional)

- Netpath, NPM12 and GNS3 overview
- Live demo of NetPath

57.Create a GNS3 network and integrate NPM (Optional)

- How to Guide, Topology Overview, Windows 7 VM for NPM and Windows 2012 VHD
- NPM Download, Access NPM software and Install and Initial Login to NPM

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- Integration of NPM and GNS3, GNS3 VM and Build GNS3 Topology
- Configure Routers, Configure Management network and Test IP connectivity
- Import GNS3 network into NPM

58.Managing Cisco Devices (15 lectures)

- Cisco Router Components
- Modules
- Demo: Router components
- Demo: Router Components
- Configuration Register
- Boot Field and software, Router Boot Process - POST and load of IOS
- Boot process and Demo: Bootup without startup config
- Image Boot Theory, Boot System Command and Boot Process Theory - Startup Config
- IOS Images
- Demo: IOS Systems
- IOS Naming Conventions
- Backup IOS to TFTP Server
- Upgrade IOS Theory, Download IOS from Cisco and Demo: Upgrade IOS
- Password Recovery

59.Password Recovery: Packet Tracer Lab

- Password Recovery: Project
- Password Recovery: Answers

60.Restore Cisco IOS images: Packet Tracer Lab

- Missing IOS operating system! Project
- Missing IOS operating system! Answers

61.Backup and restore configurations and operating systems: Packet Tracer Lab

- Backup and restore configurations and IOS: Project
- Backup and restore configurations and IOS: Answers

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62.Infrastructure Security

- Enable and Secret Passwords 1
- Enable and Secret Passwords 2
- Disable Services
- Disable CDP
- Line console security
- Telnet security
- Sessions and lines
- SSH
- Banners - Introduction and MOTD
- Login and Exec Banners

63.Troubleshoot Telnet Issues

- Telnet troubleshooting (CCNA VLOG #006)

64.Hacking Networks with Kali Linux

- Important: Hacking topics
- Hacking Cisco Networks Part 1
- Hacking DTP and VTP and VLAN hopping
- Hacking DHCP: Rogue DHCP server and DHCP exhaustion
- ARP poisoning and man-in-the-middle attack
- Kali Linux Wi-Fi

65.DHCP Snooping and Dynamic ARP Inspection

- DHCP Snooping
- Dynamic ARP Inspection

66.Hacking Networks with Wireshark

- Telnet Passwords
- TFTP Password & Data Capture
- FTP Password & Data Capture
- HTTP Data Capture
- Cisco router HTTP Password Capture

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67.Hacking VoIP

- Replay Voice over IP calls (Virtual IP Phones)
- Capture and replay voice calls (Virtual & Physical IP Phones)

68.Port Security

- Port Security and security mechanisms
- Port Security Demo Part 1
- Port Security Demo Part 2
- Port Security Demo: Sticky, Error disable and auto recovery

69.Port Security: Packet Tracer Lab

- Port Security: Project
- Port Security: Answers

70.Switch Stacking

- Switch Stacking Part 1
- Switch Stacking Part 2
- Switch Stacking Part 3

71.ACLs

- Access Control Lists (ACLs) introduction
- ACL demonstrations, wildcard masks
- ACL demonstrations
- Extended ACL demonstrations

72.Network Address Translation (NAT)

- NAT Part 1: Overview
- NAT Part 2: RFC1918 and NAT Terms
- NAT Part 3: Private Addresses and NAT Types
- NAT Part 4: Demo: Static NAT
- NAT Part 5: Wireshark Captures
- NAT Part 6: Show commands, Static NAT: GNS3 Server NAT
- NAT Part 7: Dynamic NAT Overview, GNS3 Static and Dynamic NAT Demo

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- NAT Part 8: Dynamic NAT Configuration and Show Commands
- NAT Part 9: NAT Overloading / PAT
- NAT Part 10: PAT demo and Show commands
- NAT Part 11: Source Address Theory
- NAT Part 12: NAT and PAT Theory

73.Packet Tracer Campus Network Part 4

- Packet Tracer Campus Network Part 4: Project
- Packet Tracer Campus Network Part 4: NAT

74.NAT Troubleshooting and VLOGs

- CCNA VLOG #032: Static NAT Part 1
- CCNA VLOG #033: Static NAT Part 2
- CCNA VLOG #034: NAT Single IP Multiple Servers
- CCNA VLOG #035: NAT Troubleshooting

75.Quality of Service (QOS)

- QOS Introduction
- Traffic Types and Requirements
- SRND Guide
- QOS mechanisms and Exam details
- Classification and Marking
- COS
- IP Precedence and DSCP
- DSCP AF Classes
- DSCP CS, AF and EF Classes
- Router demo Part 1
- Router demo Part 2
- SRND Guide Recommendations
- SRND Switch Examples
- Wireshark showing COS and DSCP
- Trust boundary
- Traffic classes
- Policers and shapers Part 1

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- Queuing
- Queuing - FIFO, PQ, CQ, WFQ
- Queuing - WFQ and CBWFQ
- CBWFQ and LLQ
- Congestion Avoidance with WRED
- QOS Demo

76.Quality of Service (QoS): Packet Tracer Lab

- QoS: Project
- QoS: Answers

77.IP Phone Startup Process

- IP Phone Startup - Power requirements
- Demonstration of Cisco IP Telephony configuration
- Demonstration: Voice VLAN Configuration
- How does an IP Phone get an IP address and register with a CUCM?

78.VoIP: CUCME and Cisco IP Phones: Packet Tracer Lab

- VoIP Lab: Project
- VoIP Lab: Answers

79.OSPF

- OSPF Part 1
- OSPF Part 2
- OSPF Part 3
- OSPF Part 4
- OSPF Part 5
- OSPF Part 6
- OSPF Part 7
- OSPF DR, BR, DROTHER (CCNA VLOG #031)
- DR Election Process (CCNA VLOG #039)
- OSPF DR Elections (CCNA VLOG #041)

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80.IPv6

- IPv6 Part 1
- IPv6 Part 2
- IPv6 Part 3
- IPv6 Part 4
- IPv6 Part 5

81.IPv6 Configuration: Packet Tracer Lab

- Lab Overview: Project
- IPv6 Configuration Lab 1: Answers

82.IPv6 Addressing, routing and troubleshooting

- CCNA VLOG #048: IPv6 static routing using next hop IPv6 address (IPv6 routing 1)
- CCNA VLOG #049: IPv6 static routing using next hop IPv6 address (IPv6 routing 2)

83.Implementing IPv6 addressing on Hosts and Routers

- IPv6 addressing and SLAAC Part 1
- IPv6 addressing and SLAAC Part 2
- IPv6 addressing and SLAAC Part 3
- IPv6 addressing and SLAAC Demo 1
- IPv6 addressing and SLAAC Demo 2
- IPv6 addressing and SLAAC Demo 3
- IPv6 addressing and SLAAC Demo 4
- IPv6 DHCP Server, Relay Agent and Client Part 1
- IPv6 DHCP Server, Relay Agent and Client Part 2

84.Wide Area Networks (Point-to-point)

- WAN introduction
- WAN Overview
- WAN Point-to-point link
- CSU DSU

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- VPNs versus leased lines
- DTE / DCE
- Serial interfaces (WAN Interface Cards)
- Serial Interfaces (continued)
- Serial interface speeds

85.IPv6 Routing - OSPF

- OSPFv3 Overview
- OSPFv3 configuration and show commands: R1
- OSPFv3 configuration and show commands: R2
- OSPFv3 full network configuration and testing
- OSPFv3 Troubleshooting
- OSPF IPv6 no ip addresses (CCNA VLOG #044)

86.IPv6 Access Lists

- IPv6 ACLs Part 1
- IPv6 ACLs Part 2
- IPv6 ACLs Part 3
- IPv6 ACLs Part 4
- IPv6 ACLs Demo

87.VPNs

- VPNs Part 1
- VPNs Part 2
- VPNs Part 3
- VPNs Part 4

88.GRE Tunnels

- GRE Tunnels and Tunnel Demo Overview
- RFCs, Protocol Types and Lab Part 1
- GNS3 GRE Lab Part 2: GRE Tunnel Configuration
- GNS3 GRE Lab Part 3: EIGRP
- GNS3 GRE Lab Part 4: Wireshark captures and show commands
- GNS3 GRE Lab Part 5: GRE and OSPF
- VPN Config Generator

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89.VPN Config Generator

- GRE: Site to Site Tunnel
- IPSec: Static Site to Site VPN

90.Cloud Computing

- Cloud Computing Part 1: Overview
- Cloud Computing Part 2: Hypervisors
- Cloud Computing Part 3: Hypervisors
- Cloud Computing Part 4: Amazon Demonstration
- NFV

91.Wireless Networks (Wi-Fi)

- Wi-Fi Intro
- What are these new terms?
- Wi-Fi 6 demonstration
- Channels and Hertz
- Network Types Part 1
- Network Types Part 2

92.Wi-Fi Demo

- Cisco WLC lab: Part 1
- Cisco WLC lab: Part 2

93.Network Automation and Programmability

- Advice for the exam and real world. Northbound, southbound APIs and more.
- Ansible vs Puppet vs Chef
- Overlays, Underlays, VXLAN and intelligence
- Autopilot
- SDA

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94.JSON

- Why do we care? JSON format examples
- Practical JSON using Cisco Nexus
- JSON with Cisco On-Box Python
- Python, Ubuntu and remote Cisco devices
- JSON, Ubuntu and remote Python scripts

95.REST APIs

- Practical Overview and advice
- REST API Theory
- DNA Center APIs
- Demo: DNA REST APIs
- Free DNA Labs
- Router REST API
- Python script using REST API

96.Optional: Real World Examples of Network Automation

- Linux on Cisco IOS
- Additional Linux commands on Cisco IOS
- Linux, TCL and EEM scripts on Cisco devices
- Network Automation: Schedule Config Backups
- How well do you know the Cisco IOS?
- Linux scripts on Cisco IOS?
- Python and Linux on Cisco IOS?

97.GNS3 Campus Network

- GNS3 Topology Overview
- IOSvL2 Appliance Import
- Switch Hostnames, VTP and VLANs Part 1
- Hostnames, VTP, VLANs Part 2
- IP addressing and ping testing
- Static trunk encapsulation and mode
- Disable DTP and configure access ports
- Ping within a VLAN

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- Which ports are trunking and which VLANs are permitted?
- CDP Demo: Basic discovery
- CDP Demo: Disable globally and per interface
- CDP Demo: Command Options
- LLDP Demo: Discover Linux Servers
- Which ports are blocking
- Spanning Tree blocks core switch ports
- CDP & LLDP and STP - what happens
- STP - optimize Core switches
- Optimize campus network using Etherchannel
- STP failover testing
- HSRP Overview
- Demo: HSRP Configuration: Switch 1
- Demo: HSRP Configuration: Switch 2
- Demo: Test connectivity to HSRP router
- Demo: HSRP failover test
- EIGRP configuration
- EIGRP Configuration (continued)
- Redistribute Static Route and Troubleshoot GNS3 cloud issue
- Troubleshoot GNS3 cloud issue
- Configure NAT and test

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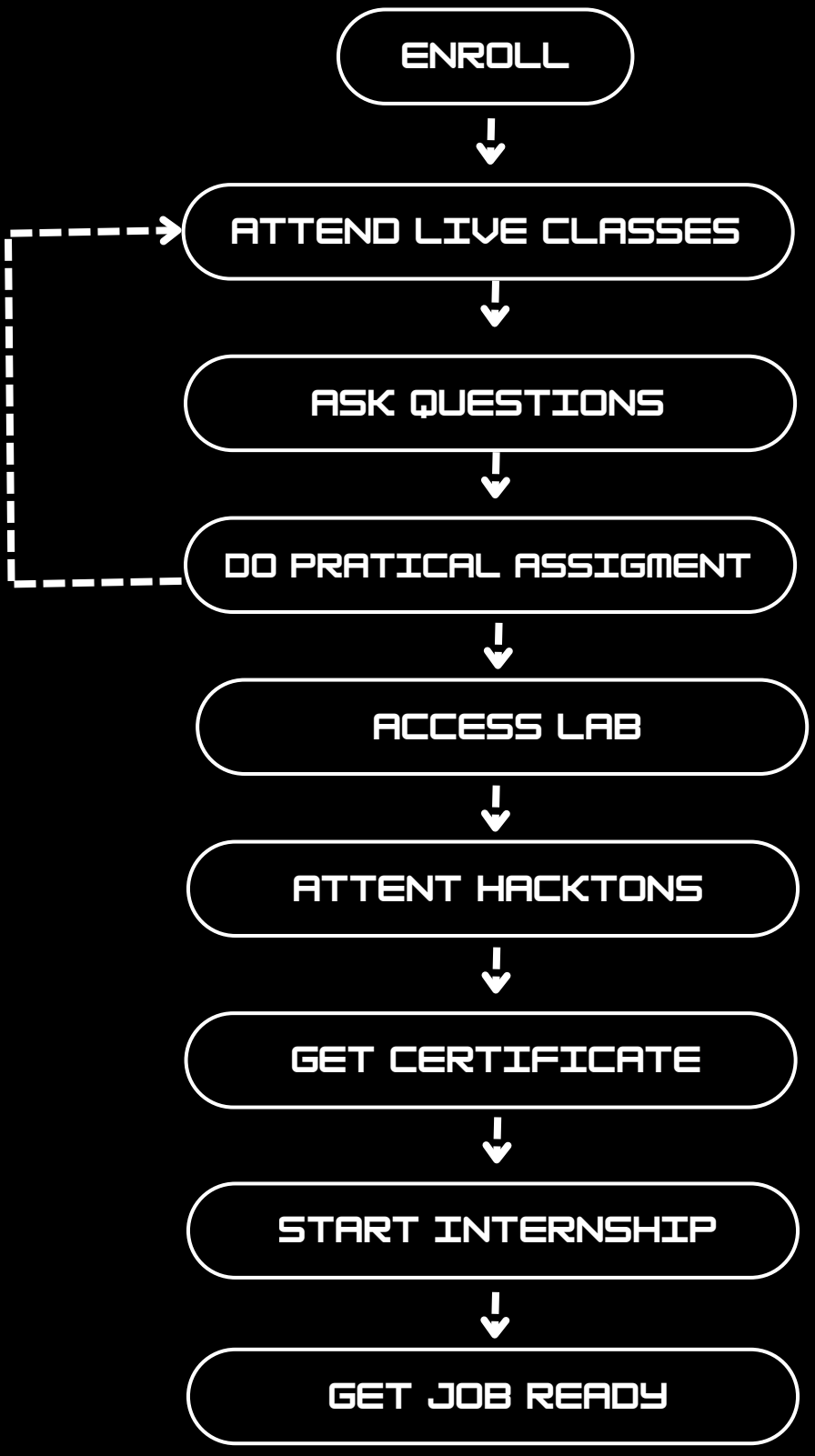
N|CNA- ROADMAP



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KEY FEATURES OF NATIVEVA

- **Industry Expert**
- **100% Practical**
- **CCNA Exam Preparation**
- **Real Time Projects**
- **Internship**
- **Hackathons**
- **EMI Option Available**
- **Ask-me-Anything Sessions**
- **Resume Building**
- **Career Guidance**
- **Job Placement Assistance**
- **LMS Access (Lifetime Access)**
- **Physical Certificate**

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NATIVEVA CERTIFIED
NETWORK ADMINISTRATOR

CERTIFICATION OF COMPLETION

NCNA
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NETWORK ADMINISTRATOR

PROGRAM FEES STRUCTURE

EMI	TOTAL FEES
INITIAL PAYMENT 2,000 NEXT PAYMENT 2,000 PAY AFTER 1 MONTH UPI – AVAILABLE	4,000 INR

* NO CREDIT CARD REQUIRED

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THANK YOU

START YOUR NETWORKING JOURNEY

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