CISCO.™
Corporate
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Responsibility

Certificate of Course Completion

Cisco Networking Academy

CCNAv7: Enterprise Networking, Security, and Automation

The student has successfully achieved student level credential for completing CCNAv7: Enterprise Networking, Security, and Automation course administered by the undersigned instructor. The student was able to proficiently:

- Configure single-area OSPFv2 in both point-to-point and multiaccess networks.
- Explain how to mitigate threats and enhance network security using access control lists and security best practices.
- Implement standard IPv4 ACLs to filter traffic and secure administrative access.
- Configure NAT services on the edge router to provide IPv4 address scalability.

- Explain techniques to provide address scalability and secure remote access for WANs.
- Explain how to optimize, monitor, and troubleshoot scalable network architectures.
- Explain how networking devices implement QoS.
- Implement protocols to manage the network.
- Explain how technologies such as virtualization, software defined networking, and automation affect evolving networks.

AAYUSH .

Student

Manipal University Jaipur

Academy Name

India

Location

15 Nov 2023

Date

Laura Quintana
Laura Quintana
VP & General Manager, Cisco Networking Academy

CCNAv7: Switching, Routing, and Wireless Essentials

The student has successfully achieved student level credential for completing CCNAv7: Switching, Routing, and Wireless Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Configure VLANs and Inter-VLAN routing applying security best practices.
- Troubleshoot inter-VLAN routing on Layer 3 devices.
- Configure redundancy on a switched network using STP and EtherChannel.
- Troubleshoot EtherChannel on switched networks.

- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
- Configure dynamic address allocation in IPv6 networks.
- Configure WLANs using a WLC and L2 security best practices.
- Configure switch security to mitigate LAN attacks.
- Configure IPv4 and IPv6 static routing on routers.

AAYUSH .

Student

Manipal University Jaipur

Academy Name

India

Location

14 Nov 2023

Date

Laura Quintana

Laura Quintana
VP & General Manager, Cisco Networking Academy

Introduction to Packet Tracer

For completing the Cisco Networking Academy® Introduction to Packet Tracer course.

AAYUSH .

Student

Manipal University Jaipur

Academy Name

India

Location

7 Nov 2023

Date

Dr. Amit Kumar Bairwa

Instructor

Instructor Signature

Networking Essentials

The student has successfully achieved student level credential for completing Networking Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Explain the concept of network communication.
- Explain the basic requirements for getting online.
- Build a simple home network.
- Explain the importance of standards and protocols in network communications.
- Explain how communication occurs on Ethernet networks.
- Create a fully connected LAN.
- Explain the DHCP address assignment process.
- Explain the principles of IPv4 and IPv6 address management.

- Explain how clients access internet services.
- Explain the function of common application layer services.
- Configure an integrated wireless router and wireless client to connect securely to the internet.
- Connect wireless PC clients to a wireless router.
- Explain how to use security best practices to mitigate attacks.
- Configure basic network security.
- Explain how to use the Cisco IOS.
- Build a simple computer network using Cisco devices.
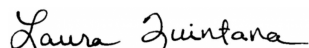
AAYUSH .

Student

Manipal University Jaipur

Academy Name

India

Location

7 Nov 2023

Date

Laura Quintana
Laura Quintana
VP & General Manager, Cisco Networking Academy