CCNA Routing and Switching: Introduction to Networks

The student has successfully achieved student level credential for completing CCNA Routing and Switching: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Explain network technologies.
- Explain how devices access local and remote network resources.
- Describe router hardware.
- Explain how switching operates in a small to medium-sized business network.

- Design an IP addressing scheme to provide network connectivity for a small to medium- sized business network.
- Configure initial settings on a network device.
- Implement basic network connectivity between devices.
- Configure monitoring tools available for small to medium-sized business networks.

Manjunath HG

Student

SJB Institute of Technology.

Academy Name

India

Location

16 Apr 2019

Date

LOKESH N

Instructor

Instructor Signature

Corporate Social Responsibility

CISCO

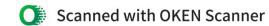Certificate of Course Completion

CCNA Routing and Switching: Routing and Switching Essentials

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

- Determine how a router will forward traffic based on the contents of a routing table.
- Explain how switching operates in a small to medium-sized business network.
- Use monitoring tools and network management protocols to troubleshoot data networks.
- Configure monitoring tools available for small to medium-sized business networks.

- Configure initial settings on a network device.
- Configure Ethernet switch ports.
- Implement VLANs.
- Implement static routing and RIPv2.
- Implement DHCP on a router.
- Implement network address translation (NAT).
- Implement access control lists (ACLs) to filter traffic.

Manjunath HG

Student

SJB Institute of Technology.

Academy Name

India

Location

23 Jan 2020

Date

LOKESH N

Instructor

Instructor Signature

CCNA Routing and Switching: Scaling Networks

The student has successfully achieved student level credential for completing CCNA Routing and Switching: Scaling Networks course administered by the undersigned instructor. The student was able to proficiently:

- Describe the operations and benefits of the Spanning Tree Protocol (STP).
- Configure and troubleshoot STP operations.
- Describe the operations and benefits of link aggregation and Cisco VLAN Trunk Protocol (VTP).
- Configure and troubleshoot VTP, STP, DTP, and RSTP.

- Configure and troubleshoot inter-VLAN routing.
- Configure and troubleshoot EtherChannel and HSRP.
- Configure and troubleshoot basic operations of routers in a complex routed network for IPv4 and IPv6.
- Configure and troubleshoot advanced operations of routers and implement OSPF and EIGRP routing protocols for IPv4 and IPv6.

Manjunath HG

Student

SJB Institute of Technology.

Academy Name

India

Location

5 Mar 2020

Date

RAVI RAJ B

Instructor

Instructor Signature

Corporate
Social
Responsibility

CISCO

Certificate of Course Completion

Cisco Networking Academy

CCNA Routing and Switching: Connecting Networks

The student has successfully achieved student level credential for completing CCNA Routing and Switching: Connecting Networks course administered by the undersigned instructor. The student was able to proficiently:

- Describe different WAN technologies and their benefits.
- Configure and troubleshoot PPP.
- Configure PPPoE, GRE, and single-homed eBGP.
- Explain how to mitigate common LAN security attacks.

- Describe QoS operation.
- Describe evolving networks including cloud, virtualization, SDN, and the Internet of Things.
- Troubleshoot end-to-end connectivity in a small to medium-sized business network, using a systematic approach.

Manjunath HG

Student

SJB Institute of Technology.

Academy Name

India

Location

24 Jul 2020

Date

RAVI RAJ B

Instructor

Instructor Signature

24 Jul 2020

Dear Manjunath HG,

Congratulations on completing the Cisco®**CCNA Routing and Switching: Connecting Networks** course as part of the Cisco Networking Academy® program. This hands-on, lab-oriented course has prepared you for tremendous career opportunities.

You have achieved student level credential for completing **CCNA Routing and Switching: Connecting Networks**, and acquired the following capabilities:

- Describe different WAN technologies and their benefits

- Configure and troubleshoot PPP.

- Configure PPPoE, GRE, and single-homed eBGP.

- Configure and troubleshoot extended IPv4 and IPv6 ACLs.

- Explain how to mitigate common LAN security attacks.

- Describe QoS operation.

- Describe evolving networks including cloud, virtualization, SDN, and the Internet of Things

- Troubleshoot end-to-end connectivity in a small to medium-sized business network, using a systematic approach.

In today's world, technical literacy is more important than ever, and Cisco is proud to provide you with the knowledge and skills necessary to build and maintain digital networks.

Keep up the great work and best wishes for continued future success.

Sincerely,

Chuck Robbins

Chuck Robbins
Chief Executive Officer Cisco Systems, Inc.