Cisco Networking Academy®, Constanta, Romania

CCNA Routing and Switching v6.X®: *Routing and Switching Essentials*

Description:
Describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with static route, RIPv2, VLAN, NAT, ACL, DHCP in both IPv4 and IPv6 networks, and perform device discovery, management and maintenance.

Skills and Competencies
Here are some examples of tasks students will be able to perform after completing each course:
- 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.
- Implement access control lists (ACLs) to filter traffic.
- Configure and troubleshoot VLANs and routing with static route and RIPv2.
- Describe the operations of Dynamic Host Configuration Protocol for IPv4 and IPv6

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