Implementing and Administering Cisco Solutions

Course code: CCNA

This course gives you basic theory and practical knowledge of computer networks built on IPv4 and IPv6 protocols and provides a solid technical background for follow-up Cisco courses in all fields of technology. This is the official training course for 200-301 Cisco Certified Network Associate (CCNA) certification exam. Selected topics are delivered in the form of self-study modules. This CCNA course is a replacement of former ICND1 and ICND2 courses with added new topics about technologies such as SD-Access, SD-WAN, basics of programmability and it also contains selected chapters about wireless networking and network security.

Affiliate	Duration	Course price	ITB
Praha	5	39 900 Kč	0
Bratislava	5	2 500 €	0

The prices are without VAT.

Course terms

	Date	Duration	Course price	Type	Course language	Location
G	18.11.2024	5	39 900 Kč	Presence	CZ/SK	Praha - ALEF NULA
G	18.11.2024	5	39 900 Kč	Online	CZ/SK	Partner online live
G	25.11.2024	5	2 500 €	Presence	CZ/SK	Bratislava
	25.11.2024	5	39 900 Kč	Online	CZ/SK	Partner online live
G	25.11.2024	5	2 500 €	Online	CZ/SK	GOPAS Bratislava online

The prices are without VAT.

Who is the course for

This course gives you basic theory and practical knowledge of computer networks built on IPv4 and IPv6 protocols and provides a solid technical background for follow-up Cisco courses in all fields of technology.

What we teach you

This is the official training course for 200-301 Cisco Certified Network Associate (CCNA) certification exam. Selected topics are delivered in the form of self-study modules. This CCNA course is a replacement of former ICND1 and ICND2 courses with added new topics about technologies such as SD-Access, SD-WAN, basics of programmability and it also contains selected chapters about wireless networking and network security.

Required skills

- Basic computer literacy
- Basic IP addressing knowledge

Teaching materials

Course material is provided in electronic format.

Course outline

- Basic characteristics of IP networks, OSI and TCP/IP model, network media and cabling LAN network, Ethernet protocol Basic switch configuration
- Configuration and troubleshooting of VLANs and trunks IP addressing (IPv4/IPv6)
- Basic router configuration Static and dynamic routing, inter-VLAN routing
- Introduction to Open Shortest Path First (OSPF) protocol

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- Basics of Spanning Tree protocol (STP) and Rapid Spanning Tree protocol (RSTP)
- Configuration and troubleshooting of link aggregation a L3 redundancy WAN networks and protocols, VPN networks
- Configuration and troubleshooting of DHCP, ACL, NAT, Overloading Basic Quality of Service (QoS) concepts
- Introduction to wireless networks
- Introduction to network architectures
- Basics of network programmability and software-defined networks (SDN)
- Introduction of Cisco DNA Center™, Software-Defined Access (SD-Access) and Software-Defined Wide
- Area Network (SD-WAN) technologies Cisco device management - configuration backup, software upgrade, licensing, SNMP, syslog and NetFlow Network security and protection from threats Basic steps for security hardening of network devices

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