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Vzdelávanie s trvalým efektom

DOCUMENT

Course syllabus

CATEGORY

Computer network, CISCO courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

650,00 €

PRICE INCL. VAT

799,50 €

including 23 % VAT

PDF SYLLABUS

Cisco CCNA II - Routing in IP Networks

Clear overview of course topics, training scope and key information.

The Cisco CCNA II - Routing in IP Networks training, focused on static and dynamic routing technologies in IP networks, is intended for administrators of computer networks built primarily on Cisco routers. It is also suitable as part of preparation for the Cisco Certified Network Associate (CCNA) industry certification exam. A course graduate will gain not only basic theoretical knowledge of packet routing in IP networks. They will also acquire practical skills in configuring routers and specific technologies in the command-line environment of the Cisco IOS operating system.

COURSE CONTENT

01 **Overview of Computer Network Technologies - Review**

Local Area Network (LAN) Wide Area Network (WAN)

02 **ISO OSI and TCP/IP Models - Review**

03 **Addressing in the IPv4 Protocol (Subnetting and VLSM) - Review**

04 **Theoretical Introduction to Routing in IP Networks**

05 **Getting Familiar with the Router and the Cisco IOS Command Line**

06 **CDP (Cisco Discovery Protocol) Protocol in Practice**

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07 **Static Routing in Theory and Practice**

static routes with a next-hop address static routes with an outgoing interface static routes with a next-hop address and an outgoing interface summary static routes default static route floating static routes

08 **Dynamic Routing Protocols in Theory**

distance vector protocols link-state protocols

09 **RIPv2 (Routing Information Protocol) Protocol in Theory and Practice**

10 **Cisco EIGRP (Enhanced Interior Gateway Routing Protocol) Protocol in Theory and Practice**

11 **OSPF (Open Shortest Path First) Protocol in Theory and Practice**

This document serves as an informational overview of the course syllabus. Current dates, venue and availability are listed at Macrosoft.sk.

https://www.macrosoft.sk/en/courses/cisco-ccna-routing-in-ip-networks