

# Implementing Cisco EnterpriseAdvanced Routing and Services

Course code: ENARSI

The Implementing Cisco Enterprise Advanced Routing and Services (ENARSI) v1.0 gives you the knowledge you need to install, configure, operate, and troubleshoot an enterprise network. This course covers advanced routing and infrastructure technologies, expanding on the topics covered in the Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR) v1.0 course. There are some parts for self-study. This course has similar content as Cisco ROUTE course had.

## Who is the course for

The Implementing Cisco Enterprise Advanced Routing and Services (ENARSI) v1.0 gives you the knowledge you need to install, configure, operate, and troubleshoot an enterprise network.

## What we teach you

This course covers advanced routing and infrastructure technologies, expanding on the topics covered in the Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR) v1.0 course. There are some parts for self-study. This course has similar content as Cisco ROUTE course had.

## Required skills

- Good understanding of network fundamentals, good knowledge how to implement LANs, good understanding of how to manage and secure network devices, Basic knowledge of network automation Be familiar with topics from CCNA + ENCOR course

## Teaching materials

Course material is provided in electronic format

## Course outline

- Configuration, optimization a troubleshooting EIGRP
- Configuration, optimization a troubleshooting OSPFv2 a OSPFv3
- Design, configuration and troubleshooting routing redistribution and filtering
- Design, configuration and troubleshooting Policy Based Routing and IP SLA
- Configuration, optimization a troubleshooting BGP incl. multiprotocol BGP
- Exploring Multiprotocol Label Switching (MPLS) incl. MPLS VPN
- Design, configuration and troubleshooting Cisco IOS DMVPN
- Configuration and troubleshooting of DHCP
- Securing IPv6 access network
- Security Feature Troubleshooting Cisco IOS incl. Infrastructure security
- Network troubleshooting using Cisco DNA Center Assurance

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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