

Cisco Enterprise Advanced Routing and Services (ENARSI)

 Live Online oder Präsenz

Dauer : 5 Tage (30 Stunden)

Nr. : 59634

Preis : 2.890,00 € netto

3.439,10 € inkl. 19 % MwSt.

Inhouse-Paket : Auf Anfrage

Objective

After taking this course, you should be able to:

- Configure classic EIGRP and named EIGRP for IPv4 and IPv6
- Optimize classic EIGRP and named EIGRP for IPv4 and IPv6
- Troubleshoot classic EIGRP and named EIGRP for IPv4 and IPv6
- Configure OSPFv2 and OSPFv3 in IPv4 and IPv6 environments
- Optimize OSPFv2 and OSPFv3 behavior
- Troubleshoot OSPFv2 for IPv4 and OSPFv3 for IPv4 and IPv6
- Implement route redistribution using filtering mechanisms
- Troubleshoot redistribution
- Implement path control using PBR and IP SLA
- Configure MP-BGP in IPv4 and IPv6 environments
- Optimize MP-BGP in IPv4 and IPv6 environments
- Troubleshoot MP-BGP for IPv4 and IPv6
- Describe the features of MPLS
- Describe the major architectural components of an MPLS VPN
- Identify the routing and packet forwarding functionalities for MPLS VPNs
- Explain how packets are forwarded in an MPLS VPN environment
- Implement Cisco IOS DMVPNs
- Implement DHCP
- Describe the tools available to secure the IPv6 first hop
- Troubleshoot Cisco router security features
- Troubleshoot infrastructure security and services

This course will help you:

- Gain the knowledge you need to install, configure, operate, and troubleshoot an enterprise network
- Qualify for professional-level job roles in advanced routing and services
- Prepare for the Implementing Cisco Enterprise Advanced Routing and Services (300-410 ENARSI) exam, which will be available beginning February 24, 2020

Summary

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.

This course helps prepare you to take the exam, Implementing Cisco Enterprise Advanced Routing and Services (300-410 ENARSI), which leads to the new CCNP® Enterprise and Cisco Certified Specialist – Enterprise Advanced Infrastructure Implementation certifications.

Wer sollte teilnehmen:

Zielgruppe

- Enterprise network engineers
- System engineers
- System administrators
- Network administrators

Voraussetzungen

Before taking this course, you should have:

- General understanding of network fundamentals
- Basic knowledge of how to implement LANs
- General understanding of how to manage network devices
- General understanding of how to secure network devices
- Basic knowledge of network automation

These Cisco courses are recommended to help you meet these prerequisites:

- [Implementing and Administering Cisco Solutions \(CCNA\)](#)
- [Implementing and Operating Cisco Enterprise Network Core Technologies \(ENCOR\)](#)

Trainingsprogramm

Outline

- Implementing EIGRP
- Optimizing EIGRP
- Troubleshooting EIGRP
- Implementing OSPF
- Optimizing OSPF
- Troubleshooting OSPF
- Implementing IBGP
- Optimizing BGP
- Implementing MP-BGP
- Troubleshooting BGP
- Configuring Redistribution
- Troubleshooting Redistribution
- Implementing Path Control
- Exploring MPLS
- Introducing MPLS L3 VPN Architecture
- Introducing MPLS L3 VPN Routing
- Configuring VRF-Lite
- Implementing DMVPN
- Implementing DHCP
- Troubleshooting DHCP

- Introducing IPv6 First Hop Security
- Securing Cisco Routers
- Troubleshooting Infrastructure Security and Services

Schulungsmethode

presentation, discussion, hands-on exercises, demonstrations on the system.

Termine und Orte

Düsseldorf

07. Jun bis 11. Jun
25. Okt bis 29. Okt

19. Jul bis 23. Jul

06. Sep bis 10. Sep

Hamburg

14. Jun bis 18. Jun
08. Nov bis 12. Nov

02. Aug bis 06. Aug

20. Sep bis 24. Sep

Garching b. München

21. Jun bis 25. Jun
15. Nov bis 19. Nov

09. Aug bis 13. Aug

27. Sep bis 01. Okt

Münster

28. Jun bis 02. Jul
29. Nov bis 03. Dez

23. Aug bis 27. Aug

11. Okt bis 15. Okt

Eschborn

05. Jul bis 09. Jul
22. Nov bis 26. Nov

16. Aug bis 20. Aug

04. Okt bis 08. Okt

Stuttgart

12. Jul bis 16. Jul
06. Dez bis 10. Dez

30. Aug bis 03. Sep

18. Okt bis 22. Okt

Berlin

26. Jul bis 30. Jul

13. Sep bis 17. Sep

01. Nov bis 05. Nov

Online Anmeldung:

Kundenservice | Tel. 0711 62010 100 | Fax: 0711 62010 267 | seminaranmeldung@integrata-cegos.de

<https://www.integrata-cegos.de/59634>

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