

# Course : Implementing Cisco Enterprise Advanced Routing and Services (ENARSI) v1.1

Official course, exam preparation 300-410 ENARSI

*Practical course - 5d - 35h00 - Ref. QXV*

*Price : 4250 € E.T.*



With this course, you'll learn how to install, configure, operate and troubleshoot a dual-stack corporate network (IPv4/IPv6). You will learn more about advanced routing and infrastructure technologies, building on the concepts covered in the ENCOR training course (Ref. TWY).



## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Configure, optimize and troubleshoot the EIGRP routing protocol
- ✓ Configuring, optimizing and troubleshooting OSPFv2 and OSPFv3
- ✓ Configuring, optimizing and troubleshooting the BGP protocol
- ✓ Implement and troubleshoot route redistribution with filtering mechanisms
- ✓ Implement multiprotocol BGP (MP-BGP)
- ✓ Describe MPLS (Multiprotocol Label Switching) functionalities
- ✓ Describe the main architectural components of an MPLS VPN
- ✓ Implementing DMVPN (Dynamic Multipoint VPN) with Cisco IOS
- ✓ Implement path control with policy-based routing (PBR) and IP SLA
- ✓ Diagnose network problems with Cisco DNA Center Assurance

## Intended audience

Junior network engineers, network administrators, network support technicians and helpdesk technicians.

## Prerequisites

No prerequisites, but basic knowledge of networks, security, routing (IGP/BGP), automation and services is recommended (CCNA, ENCOR training courses).

## PARTICIPANTS

Junior network engineers, network administrators, network support technicians and helpdesk technicians.

## PREREQUISITES

No prerequisites, but basic knowledge of networks, security, routing (IGP/BGP), automation and services is recommended (CCNA, ENCOR training courses).

## TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

## ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

## Practical details

### Teaching methods

Training in French (or English on request). Official course material in English.

## Course schedule

### 1 Official program

- EIGRP implementation, optimization and troubleshooting.
- OSPF implementation, optimization and troubleshooting.
- BGP implementation, optimization and troubleshooting.
- Route redistribution and path control.
- Fundamentals and routing in MPLS VPNs.
- Implementation of dynamic VPNs and infrastructure services.
- Network infrastructure security.
- Troubleshooting with Cisco DNA Center Assurance.

### 2 Official practical work

- Implement and troubleshoot EIGRP (IPv4/IPv6).
- Implement and troubleshoot OSPFv3 (IPv4/IPv6).
- Multi-protocol route redistribution.
- Advanced routing with BGP.
- Path control and VPN.
- Network services (DHCP & access security).
- Diagnosis of network management protocols.

## Options

### Certification : 350 € HT

To obtain Cisco Certified Network Professional Enterprise (CCNP Enterprise) certification, you need to pass exam 350-401 ENCOR and one of the following exams (your choice): 300-410 ENARSI, 300-415 ENSDWI, 300-420 ENSLD, 300-425 ENWLSL, 300-430 ENWLSI, 300-440 ENCC, 300-445 ENNA.

[Comment passer votre examen ?](#)

## Dates and locations

### REMOTE CLASS

2026 : 30 Mar., 22 June, 5 Oct., 14 Dec.

### PARIS LA DÉFENSE

2026 : 30 Mar., 22 June, 5 Oct., 14 Dec.

### TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) so that we can assess your request and its feasibility.