

# Course : Implementing Cisco Application Centric Infrastructure (DCACI) v1.2

Official course, exam preparation 300-620 DCACI

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

**Price : 4250 € E.T.**

With this training course, you will implement and manage Cisco Nexus 9000 Series switches in Cisco Application Centric Infrastructure (ACI) mode. Over 5 days, this intensive laboratory training course enables you to understand, configure and administer these switches in ACI mode, connect the ACI fabric to external networks and services, and learn the basics of integration with a Virtual Machine Manager (VMM).

## **Teaching objectives**

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

- ✓ Describe the Cisco ACI infrastructure and basic Cisco ACI concepts
- ✓ Describe the logical constructs of the Cisco ACI policy model
- ✓ Describe basic Cisco ACI packet forwarding
- ✓ Describe external network connectivity
- ✓ Describe VMM integration
- ✓ Describe Layer 4 to Layer 7 integrations
- ✓ Explain Cisco ACI management features

## **Intended audience**

Network/system engineers and admins, architects, Cisco integrators, server/storage admins, network managers, project and program managers.

## **Prerequisites**

Knowledge of network protocols, routing, switching, Cisco switches, data center architecture and virtualization basics. Recommended prerequisites: CCNA and/or DCFNDU training.

## **Practical details**

### **Teaching methods**

Training in French. Official course material in English.

## **PARTICIPANTS**

Network/system engineers and admins, architects, Cisco integrators, server/storage admins, network managers, project and program managers.

## **PREREQUISITES**

Knowledge of network protocols, routing, switching, Cisco switches, data center architecture and virtualization basics. Recommended prerequisites: CCNA and/or DCFNDU training.

## **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.

# Course schedule

## 1 Official program

- Introduction to the Cisco ACI Fabric infrastructure and basic concepts.
- Description of the logical constructs of the Cisco ACI policy model.
- Description of basic packet forwarding in Cisco ACI.
- Introducing connectivity to external networks.
- VMM integration overview.
- Description of layer 4 to 7 integrations.
- Cisco ACI management explained.

## 2 Official practical work

- Validate the discovery of the fabric.
- Configure NTP.
- Create access policies and a vPC.
- Enable Layer 2 connectivity in the same EPG.
- Enable Layer 2 connectivity between EPGs.
- Enable Layer 3 connectivity between EPGs.
- Compare traffic transfer methods in a Bridge Domain.
- Set up an external Layer 2 connection.
- Set up an external Layer 3 connection (L3Out).
- Integrate Cisco APIC with VMware vCenter via VMware VDS.

## Options

### Certification : 350 € HT

To obtain Cisco Certified Network Professional Data Center (CCNP Data Center) certification, you need to pass exam 350-601 DCCOR, as well as one of the following exams (your choice): 300-610 DCID, 300-615 DCIT or 300-620 DCACI.

#### [Comment passer votre examen ?](#)

The certification option comes in the form of a voucher or invitation that will allow you to take the exam at the end of the training course.

## 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.

## 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 so that we can assess your request and its feasibility.

## Dates and locations

### REMOTE CLASS

2026 : 16 Mar., 8 June, 21 Sep., 30 Nov.