

# Course : VMware vSphere: Design V8 (VSD8)

Official course, exam preparation 3V0-21.23

**Practical course - 3d - 21h00 - Ref. MWD**

**Price : 2630 € E.T.**

With this training course, you'll have the knowledge, skills and abilities you need to design a VMware vSphere 8 virtual infrastructure. You'll follow a proven approach to designing a virtualization solution that guarantees availability, manageability, performance, recoverability and security. You'll also discover the benefits and risks of available design alternatives, and gain insights to help you make informed design decisions.

## **Teaching objectives**

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

- ✓ Create a vSphere design from a case study
- ✓ Identify and assess the business objectives of the vSphere environment
- ✓ Identify business requirements, constraints, assumptions and risks for the vSphere environment
- ✓ Applying a framework to a design
- ✓ Analyze design choices for vCenter, ESXi, storage, networking, vSphere clusters and VMs
- ✓ Identify design decisions to ensure management
- ✓ Identify design decisions to ensure that the vSphere environment is highly available
- ✓ Identify design decisions to ensure smooth operation of the vSphere environment
- ✓ Identify design decisions to guarantee the security of the vSphere environment
- ✓ Identify design decisions to ensure vSphere resilience after data loss or disaster
- ✓ Identify design decisions for capacity planning and lifecycle management

## **Intended audience**

Systems integrators, consultants, solution architects.

### **PARTICIPANTS**

Systems integrators, consultants, solution architects.

### **PREREQUISITES**

Completion of the training courses "VMware vSphere 8 - Install, configure, manage" ref. AMW or "VMware vSphere 8 - Operate, Scale, and Secure" ref. EMW or equivalent knowledge.

### **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.

## Prerequisites

Completion of the training courses "VMware vSphere 8 - Install, configure, manage" ref. AMW or "VMware vSphere 8 - Operate, Scale, and Secure" ref. EMW or equivalent knowledge.

## Certification

La réussite de l'examen 3V0-21.23 permet d'obtenir la certification VMware Certified Advanced Professional - Data Center Virtualization Design 2024 (VCAP-DCV Design 2024). Pour l'obtention de la certification VCAP-DCV, il est recommandé d'avoir suivi la formation Réf. MWD (VSD8)

[Comment passer votre examen ?](#)

## Practical details

### Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

## Course schedule

### 1 Infrastructure assessment

- Describe the various principles of the design framework.
- Follow a proven process to design a virtualization solution.
- Define customers' business objectives and requirements.
- Use a systematic method to evaluate and document a conceptual model.
- Create a logical design from a conceptual model.
- Recognize the key information contained in the physical design.

### 2 Design for management: capacity planning

- Make capacity planning design decisions that meet business requirements.
- Create capacity planning strategies that meet the needs of the vSphere environment.
- Calculate compute and storage requirements for virtual machines in the vSphere environment.

### 3 Designing for easy management: scalability

- Make scalability design decisions that meet business requirements.
- Create scalability strategies that meet vSphere needs and follow VMware best practices.

### 4 Design for management: life cycle management

- Make lifecycle management design decisions that meet business requirements.
- Create lifecycle management strategies that meet vSphere needs and follow VMware practices.

### 5 Designing for availability

- Make availability design decisions that meet business requirements.
- Create availability strategies that meet vSphere requirements and follow VMware best practices.

## 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.

## 6 Designing for performance

- Make performance design decisions that meet business requirements.
- Create performance strategies that meet vSphere needs and follow VMware best practices.

## 7 Designing for safety

- Make safety design decisions that meet business requirements.
- Create security policies that meet vSphere needs and follow VMware best practices.

## 8 Designing for recovery

- Make recovery capacity design decisions that meet business requirements.
- Create restore strategies that meet vSphere requirements and follow VMware best practices.

## Dates and locations

REMOTE CLASS

2026 : 23 June, 3 Nov.

PARIS LA DÉFENSE

2026 : 23 June, 3 Nov.