



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

---

**You can reach us at:**

Arrow ECS, Nidderdale House, Beckwith Knowle, Harrogate, HG3 1SA

Email: [educationteam.ecs.uk@arrow.com](mailto:educationteam.ecs.uk@arrow.com)

Phone: 0870 251 1000

CODE:	LENGTH:	PRICE:
VMW_VSD8	24 Hours (3 days)	£2,110.00

## Description

This three-day course equips you with the knowledge, skills, and abilities to design a VMware vSphere 8 virtual infrastructure. You follow a proven approach to design a virtualization solution that ensures availability, manageability, performance, recoverability, and security. The approach presented follows VMware best practices.

This course discusses the benefits and risks of available design alternatives and provides information to support making sound design decisions.

## Objectives

**By the end of the course, you should be able to meet the following objectives:**

- Create a vSphere design given a case study
- Identify and assess the business objectives of the vSphere environment
- Identify business requirements, constraints, assumptions, and risks, for all layers in the vSphere environment
- Apply a framework to a design
- Analyze design choices for vCenter, ESXi, storage, networking, vSphere clusters, and virtual machines
- Identify design decisions to ensure manageability, which include scalability, capacity planning and lifecycle management
- Identify design decisions to ensure that the vSphere environment is highly available
- Identify design decisions to ensure that the vSphere environment performs well
- Identify design decisions to ensure that the vSphere environment is secure
- Identify design decisions to ensure that the vSphere environment can recover from data loss or disaster

## Audience

System Integrators, Consultants & Solution Architects

## Prerequisites

- VMware vSphere: Install, Configure, Manage

**This course requires completion of the one of the following:** • VMware vSphere: Operate, Scale, and Secure

## Programme

- Introductions and course logistics

### 1 Course Introduction • Course objectives

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

### 2 Infrastructure Assessment

### 3 Designing for Manageability: Capacity Planning

- Make capacity planning design decisions that adhere to business requirements
- Design capacity planning strategies that meet the needs of the vSphere environment and follow VMware best practices
- Calculate compute and storage requirements for the VMs in the vSphere environment

### 4 Designing for Manageability: Scalability

- Make scalability design decisions that adhere to business requirements
- Design scalability strategies that meet the needs of the vSphere environment and follow VMware best practices

#### 5 Designing for Manageability: Lifecycle Management

- Make lifecycle management design decisions that adhere to business requirements
- Design lifecycle management strategies that meet the needs of the vSphere environment and follow VMware best practices

#### 6 Designing for Availability

- Make availability design decisions that adhere to business requirements
- Design availability strategies that meet the needs of the vSphere environment and follow VMware best practices

#### 7 Designing for Performance

- Make performance design decisions that adhere to business requirements
- Design performance strategies that meet the needs of the vSphere environment and follow VMware best practices

#### 8 Designing for Security

- Make security design decisions that adhere to business requirements
- Design security strategies that meet the needs of the vSphere environment and follow VMware best practices

#### 9 Designing for Recoverability

- Make recoverability design decisions that adhere to business requirements
- Design recoverability strategies that meet the needs of the vSphere environment and follow VMware best practices

### Further Information

- VMware ESXi 8.0

**Product Alignment** • VMware vCenter 8.0

### Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
10 Jun 2024	Virtual Classroom	BST	English	Instructor Led Online		£2,110.00
19 Aug 2024	Virtual Classroom	BST	English	Instructor Led Online		£2,110.00
19 Aug 2024	Arrow ECS London c/o Imparando	BST	English	Classroom		£2,110.00
04 Nov 2024	Virtual Classroom	GMT	English	Instructor Led Online		£2,110.00
19 Aug 2024	Arrow ECS Harrogate	BST	English	Classroom		£2,110.00

### Additional Information

This training is also available as onsite training. [Please contact us to find out more.](#)