

# VMWARE VSPHERE: DESIGN [V7]





**Professional** 

#### **Course Duration:**

3 Days

#### Course Overview:

This three-day VMware vSphere: Design [V7] training course from CloudThat teaches candidates how to design a VMware vSphere 7 virtual infrastructure. Candidates attending this course also learn to design a virtualization solution that ensures manageability, availability, recoverability, performance, and security.

By enrolling in our VMware vSphere: Design [V7] training program, learners will acquire the necessary skills and knowledge to pass the final exam successfully. Candidates attending our training get access to the authored curriculum and can learn through engaging and interactive sessions delivered by VMware certified in-house trainers.







#### **Product Alignment**

- VMware ESXi 7
- VMware vCenter Server 7

# **Prerequisites**

This course requires completion of the following prerequisites:

VMware vSphere: Install, Configure, Manage [V7]

VMware vSphere: Optimize and Scale [V7]

# **Objectives**

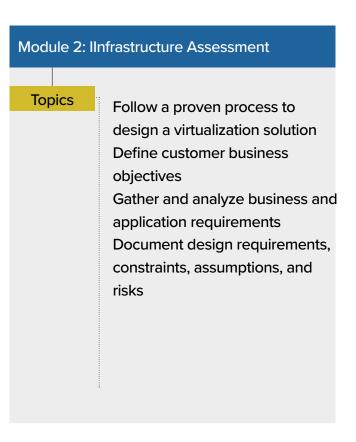


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## **Course Outline**





# Course Outline

#### Module 3: Core Management Infrastructure

#### **Topics**

Determine the number of VMware vCenter Server ApplianceTM instances to include in a design

Choose the appropriate single sign-on identity source

Choose the time synchronization method Choose methods to collect log files and ESXi core dumps

Design a vCenter Server deployment topology that is appropriate for the size and requirements of the data center

#### Module 5: Compute Infrastructure

#### **Topics**

The Create a compute infrastructure design that includes the appropriate ESXi boot, installation, and configuration options. Choose the ESXi host hardware for the compute infrastructure.

#### Module 7: Network Infrastructure

#### **Topics**

Evaluate the use of different network component and network management solutions

Design a network component architecture that includes information about network segmentation and virtual switch types Design a network management architecture that meets the needs of the vSphere environment

#### Module 4: Virtual Data Center Infrastructure

#### **Topics**

Calculate total compute capacity requirements for a virtual data center Create a virtual data center cluster design that meets business and workload require-

Evaluate in the virtual data center the use of several management services, such as VMware vSphere High Availability and VMware vSphere Distributed Resource Scheduler

Evaluate the use of resource pools in the virtual data center design

#### Module 6: Storage Infrastructure

ments

#### Topics

Calculate storage capacity and performance requirements for a design Evaluate the use of different storage platforms and storage management solutions Design a storage platform infrastructure and storage management architecture that meets the needs of the vSphere environment

#### Module 8: Virtual Machine Design

#### **Topics**

Make virtual machine design decisions, including decisions about resources
Design virtual machines that meet the needs of the applications in the vSphere environment and follow VMware best practices

# **Course Outline**

#### Module 9: Infrastructure Security

#### **Topics**

Make security design decisions for various layers in the vSphere environment

Design a security strategy that meets the needs of the vSphere environment and follows VMware best practices

#### Module 11: Infrastructure Recoverability

#### **Topics**

- Make infrastructure recoverability design decisions that adhere to business requirements
- Design an infrastructure recoverability strategy that meets the needs of the vSphere environment and follows VMware best practices

#### Module 10: Virtual Data Center Infrastructure

#### **Topics**

Make lifecycle management, scalability, and capacity planning design decisions that adhere to business requirements

Design lifecycle management, scalability, and capacity planning strategies that meet the needs of the vSphere environment and follow VMware best practices

## Who Should Enroll for this Course?

Experienced system integrators and consultants responsible for designing and deploying vSphere environments.

### **About CloudThat**

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K+ IT professionals from fortune 500 companies on technologies such cloud, Artificial Intelligence, Machine Learning, IoT, OpenStack, OpenShift, DevOps, MongoDB, Big Data and more.

Through sheer dedication and excellence in the field of cloud training, CloudThat has recently being recognized as **VMware Authorized Training Reseller**. In addition, CloudThat is a proud Microsoft Gold Partner, AWS Advanced Consulting Partner, Google Cloud Platform Partner, and Databricks Partner. Recently, we have won the Microsoft Asia Superstar Campaign for India-2021 for being a global leader in providing cloud training and consultancy services with exemplary track record.

### Our Success Track-

10+ Years of Experience

500K+
Professionals trained

100+

Corporates served

200+

Projects delivered

28+

countries catered

350+

Cloud certifications

To know more about our VMware certification training, email at sales@cloudthat.com or call us at +918880002200.