

VCAP- Data Center Virtualization Deploy



**For contact: +91 8680961847
+91 9600579474**

Online Course

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Course Modules

Architectures & Technologies - There are no testable objectives

Products and Solutions - There are no testable objectives

Planning and Designing - There are no testable objectives

1.Installing, Configuring, and Setup

- Set up VMware vCenter Server® and single sign-on (SSO)
 - Deploy and configure VMware vCenter Server® and VMware ESXi™
 - Configure identity sources
- Set up a clustering solution for VMware vSphere High Availability (HA)
 - Configure and manage High Availability options
- Set up a cluster soln for VMware vSphere® DISTRIBTD Resource SCHEDLR
 - Configure VMware vSphere® vMotion
 - Configure scalable shares
- Set up a cluster solution for VMware vSAN™
 - Set up a cluster solution for VMware vSAN™

2.Performance-tuning, Optimization, and Upgrades

- Manage advanced virtual machine configurations
 - Identify and implement vSphere® resource optimization opportunities



3. Troubleshooting and Repairing

- Troubleshoot resource issues
 - Troubleshoot vSphere® configuration issues
 - Tshoot resource pool config issues (e.g. Limits/Sharing, hierarchy)
 - Troubleshoot virtual machine (VM) issues
- Troubleshoot network and storage issues
 - Troubleshoot storage issues
 - Troubleshoot network issues
- Troubleshoot vSphere® infrastructure issues
 - Troubleshoot VMware ESXi™ host issues
 - Troubleshoot resource issues of the VMware vCenter Server®
- Troubleshoot vSphere® 7.x clusters
- Tshoot virtual machine reservations and VMware Admission Control

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4. Administrative and Operational Tasks

- Set up networking and storage
 - Deploy and manage VMware vSphere® Standard Switch (vSS)
 - Deploy and manage VMware vSphere® Distributed Switch (VDS)
 - Configure and manage advanced storage configurations



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- Set up log collection and VMware vCenter Server® backup
 - Manage and review VMware vSphere® log files
 - Configure VMware vCenter Server® file-based backup
 - Config & manage VMware vCenter Server® backup & restore options
 - Configure VMware vCenter Server® profiles
- Manage and remediate host and clusters
 - Configure and manage advanced cluster configurations (
 - Create and manage host profiles (e.g. edit and apply host profiles)
 - Manage and remediate clusters using vSphere® Lifecycle Manager
 - Configure and manage Lifecycle Manager™ components
- Work with content libraries
 - Configure and manage a content library
 - Update virtual machine templates in a content library
- Configure role-based access control (RBAC)
- Configure and manage advanced security options
 - Configure CPU scheduler for security options
- VMware vSphere® virtual machine encryption (VM encryption)
 - Configure and manage a Key Management solution
 - Create an encrypted virtual machine
- Configure and manage advanced host configurations
 - The VMware Tools & vSphere Client repository (productLocker).





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REMOTELY!!**

**The efficiency of online learning
in terms of time management,
flexibility, and the ability
to access resources anytime,
anywhere can be compelling.**



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