

VMware Lab Manager Administration Training

Course Content

❑ Module 1: Introducing Lab Manager and the Installation Process

- ❖ Lab Manage Components
- ❖ Overview of Lab Manager Installation Process

❑ Module 2: Installation Requirements and Recommendations

- ❖ vSphere Requirements and Recommendations
 - ESX / ESXi Server Recommendations
 - vCenter Server Recommendations
- ❖ Datastore Requirements and Recommendations
- ❖ Lab Manager Server Requirements and Recommendations
 - Lab Manager Server Recommendations
 - Install IIS on the Lab Manager Server
 - Check the Version of an Existing .NET Framework Installation
 - Install the .NET Framework on the Lab Manager Server

- ❖ Credential Requirements for Connecting to vCenter Server from Lab Manager
- ❖ Web Console Access Requirements
 - Set Internet Explorer Options
- ❖ Network Requirements
 - Configuring Routing
 - Configuring Firewall Settings
 - Gathering Network Information for Installation
 - IP Addresses for Virtual Machines
- ❖ Security Requirements and Recommendations
- ❖ Set Windows Security Policies
 - Generate a Custom SSL Certificate

□ Module 3: Installing Lab Manager

- ❖ Install the Lab Manager Server Software
- ❖ Initialize and Configure Lab Manager
 - Choosing a Lab Manager System Name
 - Static IP and DHCP Networking
- ❖ Backing Up the Password Encryption Key
- ❖ Uninstall Lab Manager
- ❖ Remove SQL Server Components

□ Module 4: Upgrading to Lab Manager

- ❖ Supported Upgrades
 - Upgrading from Lab Manager .x
 - Back up the Lab Manager Database
 - Upgrade Virtual Center Server to vCenter Server.
 - Install the Lab Manager Server Software

- Upgrade and Configure Lab Manager
- Understanding the Upgrade from Lab Manager .x
- Upgrading from Stage Manager .x

□ **Module 5: Undeploy All Stage Manager Virtual Machines**

- ❖ Back up the Stage Manager Database
- ❖ Uninstall the Stage Manager Program Files
- ❖ Upgrade Virtual Center Server to vCenter Server
- ❖ Install the Lab Manager Server Software
- ❖ Upgrade and Configure Lab Manager
- ❖ Understanding the Upgrade from Stage Manager .x
- ❖ Organizations
 - Workspaces
 - Configurations
 - Users and Groups
 - Roles and Rights
 - Sharing
 - Networking
- ❖ Upgrading ESX Server

□ Module 6: Getting Started with Lab Manage

- ❖ Lab Manager Components
- ❖ Accessing the Lab Manager Web Console
- ❖ View Performance, Usage, and Support Information
- ❖ Setting User Preferences
 - Set Display and Lease Alert Preferences
 - Change Your User Password
- ❖ Lab Manager Workflow

□ Module 7: Adding Resources

- ❖ Attach a Resource Pool
- ❖ Add a Media Store
- ❖ Add a Physical Network
- ❖ Add a Host Spanning Transport Network

□ Module 8: Adding Users and Groups

- ❖ Import a User
- ❖ Create a User
- ❖ Import an LDAP Group

□ Module 9: Setting Up Organizations and Workspaces

- ❖ Create an Organization
- ❖ Create a Workspace

□ Module 10: Setting Up Network Templates

- ❖ Create a Network Template
- ❖ Copy a Network Template Share a Network Template

□ Module 10.1: Setting Up Virtual Machine Templates

- ❖ Create a Virtual Machine Template
- ❖ Importing Virtual Machine Templates
- ❖ Clone a Virtual Machine Template
- ❖ Deploying Virtual Machine Templates
- ❖ Install a Guest Operating System
- ❖ Installing VMware Tools
 - Install VMware Tools in a Windows Guest
 - Install VMware Tools on a Linux Guest Within X with the RPM Installer
 - Install VMware Tools on a Linux Guest with the Tar Installer or RPM Installer
 - Install VMware Tools on a Solaris Guest
- ❖ Customizing the Guest Operating System
 - Access the machine.id from an ESX Host
 - Access the machine.id from a Guest Operating System
 - Prerequisites for Guest Customization

- Build a Microsoft Sysprep Package
- Complete Guest Customization for Windows NT and Solaris Virtual Machine Templates
- Complete Guest Customization for Solaris Virtual Machine Templates
- Working with the Guest Customization SID Generation Tool
 - Select the SID Generation Tool for Lab Manager
 - Change the SID Generation Tool for a Virtual Machine Template
 - Select the SID Generation Tool for a Virtual Machine
- Disabling Guest Customization
 - Disable Guest Customization for a Virtual Machine Template
 - Disable Guest Customization for a Virtual Machine
 - Customize Guest Customization
 - Importing Virtual Machine Templates from Lab Manager .x with VMware Tools and LM Tools
- ❖ Undeploy a Virtual Machine Template
- ❖ Share a Virtual Machine Template
- ❖ Publishing Virtual Machine Templates
 - Check VMware Tools Status Before Publishing Virtual Machine Templates

- Disable VMware Tools Check Before Publishing Virtual Machine Templates
- Publish a Virtual Machine Template

□ Module 11: Working with Configurations

- ❖ Adding Configurations to a Workspace
- ❖ Create a Workspace Configuration
 - Add a Virtual Machine Based on a Virtual Machine Template
 - Add a Virtual Machine from vCenter
- ❖ Import a Configuration to a Workspace
- ❖ Copy a Workspace Configuration
- ❖ Full Clones and Linked Clones
- ❖ Clone a Library Configuration to a Workspace
- ❖ Adding Configurations to the Library
- ❖ Share a Configuration
- ❖ Configuration Networking
- ❖ Host Spanning

- ❖ Deploying and Undeploying Configurations
- ❖ Stopping and Starting Configuration Virtual Machines
- ❖ Working with Configuration Snapshots
 - Take a Configuration Snapshot
 - Revert to a Configuration Snapshot
 - Delete a Configuration Snapshot
- ❖ Viewing Configuration Virtual Machines, Networks, and History
 - View Virtual Machines in a Configuration
 - View Configuration Networks
 - View a Configuration Diagram
 - View Configuration History
- ❖ Add a Note to Configuration History
- ❖ Modifying Configurations
 - Adding a Virtual Machine to a Workspace Configuration
 - Remove a Virtual Machine from a Workspace Configuration
 - Move Virtual Machines Between Workspace Configurations
 - Combine Workspace Configurations
 - Full Clones and Linked Clones
- ❖ Add a Network to a Workspace Configuration
- ❖ Remove a Network from a Workspace Configuration

- ❖ Replace a Workspace Configuration Network
- ❖ Modify Configuration Properties
- ❖ Change Ownership of a Configuration
- ❖ Upgrade Virtual Hardware in a Configuration
- ❖ Discard State for a Configuration
- ❖ Delete a Configuration
- ❖ Using LiveLink
 - Create a LiveLink
 - Deploy a LiveLink
- ❖ Exporting Configurations
 - Export a Configuration to vCenter
 - Export a Configuration to an SMB Share

□ Module 12: Working with Virtual Machines

- ❖ Deploying and Undeploying Virtual Machines
 - Deploy a Virtual Machine
 - Undeploy a Virtual Machine
- ❖ Accessing Virtual Machine Consoles
 - View a Virtual Machine Console
 - View All Virtual Machine Consoles
- ❖ Stopping and Starting Virtual Machines
 - Suspend a Virtual Machine
 - Resume a Virtual Machine
 - Power Off a Virtual Machine
 - Power On a Virtual Machine
 - Reset a Virtual Machine
 - Shut Down a Virtual Machine
- ❖ Working with Virtual Machine Snapshots
 - Take a Snapshot of a Virtual Machine
 - Revert to a Virtual Machine Snapshot
 - Delete a Virtual Machine Snapshot

❖ Managing Virtual Machines

- Modify Virtual Machine Properties
- Modifying Virtual Machine Hard Disks
- Add a Virtual Machine Hard Disk
- Edit a Virtual Machine Hard Disk
- Delete a Virtual Machine Hard Disk
- Modifying Virtual Machine Network Interfaces
- Edit Network Interface Settings
- Reset a Network Interface MAC Address
- Add a Network Interface
- Delete a Network Interface
- Upgrade Virtual Machine Version
- Enable Memory Hot Add
- Discard State for a Virtual Machine

□ Module 13: Managing Resources

- ❖ Managing Resource Pools
 - Enable or Disable a Resource Pool
 - Modify Resource Pool Properties
 - Un deploy All Virtual Machines in a Resource Pool
 - Detach a Resource Pool
- ❖ Managing Hosts
 - Prepare a Host
 - Enable and Disable Hosts
 - Disable and Enable Host Spanning for a Host
 - Unprepare a Host
 - Modify Host Properties
 - View Deployed Virtual Machines on a Host
 - Undeploy All Virtual Machines on a Host
 - Redeploy All Virtual Machines on a Different Host
 - Repair a Host

❖ Managing Datastore

- Delete a Datastore
- Remove a Datastore
- Enable and Disable Datastore
- Disable Virtual Machine Creation in a Datastore
- Disable Media Store Creation in a Datastore
- Modify Datastore Properties
- View Virtual Machine Datastore Usage
- View Virtual Machine Datastore Directories
- Understanding Virtual Machine Datastore Directories
- Delete Expired Virtual Machines

- Renew the Storage Lease for an Expired Virtual Machine
- Delete Revert Points
- Consolidate a Virtual Machine Based on Datastore Usage
- Delete a Virtual Machine or Configuration Based on Datastore Usage

❖ Managing Media Stores

- Add Media Stores
- Synchronize a Media Store
- Enable and Disable a Media Store
- Change the Name of a Media Store

❖ Managing Physical Networks

- Monitor IP Pool Usage for a Physical Network

- Add or Remove IP Addresses to the IP Pool of a Physical Network
- Modify Physical Network Properties
- Delete a Physical Network
- ❖ Managing Host Spanning Transport Networks
 - View Host Spanning Transport Networks
 - Disable or Enable Host Spanning
 - Enable or Disable a Host Spanning Transport Network
 - Remove a Host Spanning Transport Network
 - Modify Host Spanning Transport Network Properties

□ Module 14: Managing the Media Library

- ❖ Synchronize the Media Library with Media Store Files
- ❖ Change Ownership of Media Files
- ❖ Restrict Access to Media Files
- ❖ Modify Media Properties

□ Module 15: Managing Users, Groups, and Roles

- ❖ Managing users
 - Disable or Enable Users
 - Remove User from an Organization
 - Delete a User from Lab Manager
 - Modify User Properties
 - View User Roles and Organizations
 - Send User Notifications
- ❖ Managing Stranded Users
 - Reassign Ownership of All Stranded Users' Objects
 - Reassign Ownership of a Stranded User's Objects
- ❖ Managing Groups
 - Remove a Group from an Organization
 - Delete a Group from Lab Manager
 - Modify Group Properties

- ❖ Managing Roles and Rights
 - Add a Role
 - Copy a Role
 - Delete a Role
 - Modify Role Properties

□ Module 16: Managing Organizations and Workspaces

- ❖ Modifying Organization Properties
 - Modify Default User Preferences
 - Modify Default Deployment Settings
 - Modify the Users and Groups in an Organization
 - Add Members or Groups to an Organization
 - Remove Members or Groups from an Organization
 - Add or Remove the Resource Pools in an Organization
 - Add or Remove the Datastore in an Organization
 - Add or Remove the Media Stores in an Organization

- Add or Remove the Physical Networks in an Organization
- Add or Remove a Host Spanning Transport Network in an Organization
- ❖ Enable or Disable an Organization
- ❖ Delete an Organization?
- ❖ Using the Primary Workspace
 - Delete the Primary Workspace
 - Set the Primary Workspace for an Organization
- ❖ Modify Workspace Properties
 - Modifying Users and Groups in a Workspace
 - Add users and Groups to Workspace
 - Remove Users and Groups from a Workspace
 - Add or Remove the Resource Pools Available to a Workspace
- ❖ Disable a Workspace
- ❖ Delete a Workspace

□ Module 17: Managing Network Templates

- ❖ Modify Network Template Properties
- ❖ Change Ownership of a Network Template
- ❖ Delete Network Templates
- ❖ Monitor IP Pool Usage for a Virtual Network
 - Add IP Addresses to the IP Pool of a Virtual Network
 - Remove IP Addresses from the IP Pool of a Virtual Network

□ Module 18: Managing Virtual Machine Templates

- ❖ Unpublish a Virtual Machine Template
- ❖ Export a Virtual Machine Template to an SMB Share
- ❖ Export a Virtual Machine Template to vCenter
- ❖ Consolidate a Virtual Machine Template
- ❖ Discard the State for a Virtual Machine Template
- ❖ Modify Virtual Machine Template Properties

- ❖ Modifying Virtual Machine Template Hard Disks
 - Add a Hard Disk to a Template
 - Edit a Virtual Machine Template Hard Disk
 - Delete a Virtual Machine Template Hard Disk
- ❖ Modifying Virtual Machine Template Network Interfaces
- ❖ Add a Network Interface to a Virtual Machine Template
- ❖ Edit a Virtual Machine Network Interface
- ❖ Delete a Network Interface from a Virtual Machine Template
- ❖ Reset a Virtual Machine Template Network Interface MAC Address
- ❖ Upgrade Virtual Hardware
- ❖ Change Ownership of a Virtual Machine Template
- ❖ Delete a Virtual Machine Template
 - Delete a Virtual Machine Template with Force

□ Module 19: Managing Lab Manager Settings

- ❖ Configuring General Preferences
 - Change vCenter Lab Manager Preferences
 - Set Email Preferences
 - Set System Alert Preferences
 - Set Configuration Change Summary Preferences
- ❖ Configuring LDAP Settings
 - Locate an LDAP Server
 - Set Up an LDAP Connection
 - Specify the LDAP Connector and Schema
 - Customize LDAP User and Group Attributes
 - Test LDAP Settings
 - Detach an LDAP Server
 - Synchronize Lab Manager with the LDAP Server
- ❖ Configuring Lab Manager Licenses
 - View Capacity License Information
 - Add a Capacity License

- ❖ Configuring Guest Customization Settings
- ❖ Configuring SupportLink Settings
 - Enable SupportLink
 - Collect Support Information
- ❖ Configuring Resource Cleanup Settings
 - Understanding Leases
 - Set Deployment and Storage Lease Maximums
- ❖ Configuring vCenter Settings
 - Reconnect to a vCenter Server
 - Change the vCenter Server User Name and Password

□ **Module 20: Monitoring Lab Manager**

- ❖ Monitoring Lab Manager Operations
 - View the Activity Log
 - View Activity Details

- ❖ Monitoring Resource Usage
 - View Resource Pool Resource Usage
 - View Workspace Resource Usage
- ❖ View Deployed Virtual Machines
- ❖ A Roles and Rights
- ❖ Predefined Roles
- ❖ Datastore Rights
- ❖ General Rights
- ❖ Group Rights
- ❖ High I/O Rights
- ❖ Host Rights
- ❖ Host Spanning Transport Networks
- ❖ Library Configuration Rights
- ❖ Machine Rights
- ❖ Media Rights
- ❖ Media Store Rights
- ❖ Network Template Rights
- ❖ Organization Rights
- ❖ Physical Network Rights
- ❖ Resource Pool Rights
- ❖ Role Rights

**This course specially designed for VMware Lab Manager Administration
We Provide 100% Real-Time LAB Practical's with Job Assistance**

Total duration of the course: - 20 Working days

Duration of the course per day: - 3 Hours

Course fee: - 20000Rs (INR) * service tax will be extra *****

Online Training Fee details: -

Course fee: - 25000Rs (INR) * service tax will be extra *****

Terms & Conditions

- 1. Additional Administration Tasks will be covered on weekends only.**
- 2. Online LAB Access will be provided 24/7 for 30 day's as per additional payment.**
- 3. The course content can be changed as per the technology without prior notice.**

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