

VMware vSphere-5.5 L3 Administration Training

Course Content

Course Duration : **20Days**

Class Duration : **3hours per day (Fast Track Course duration 10days “ Per day 8 hours “)**

Course Fee Details

Classroom Training: - ₹ **20000** ₹

Fast-Track Training: - ₹ **25000** ₹ -----(For Classroom Training only)

Online Training: - ₹ **30000** ₹

❖ This course will be prerequisite for VMware cloud computing Administration.

❑ Module 1: vNetwork Distributed Switch (DvSwitch, vDS)

- Understanding Distributed Virtual Switch
- vSphere Distributed Switch Maximums

■ Adding & Configuring

- Creating DvSwitch and DvPortGroups
- Configuring a vNetwork Distributed Switch
- Configuring dvPort Groups & Configure VLANs
- Adding ESX hosts to DvSwitch
- Configuring vNetwork Distributed Switch Network Adapters
- Manage Physical & virtual adapters
- Migrating vSwitch Configurations VMkernels to DvSwitch
- Migrating Virtual Machines from DvSwitch PortGroups to Standard vSwitch

■ Managing Network Resources

- vSphere Network I/O Control
- TCP Segmentation Offload and Jumbo Frames
- NetQueue and Networking Performance
- DirectPath I/O
- Single Root I/O Virtualization (SR-IOV)

■ Managing Networking Policies Administration

- Load Balancing and Failover Policy
- VLAN Policy
- Security Policy
- Traffic Shaping Policy
- Resource Allocation Policy
- Monitoring Policy
- Port Blocking Policies

❑ Module 2: vShield Zones Administration

- vShield Overview
- vShield Components
- Deploying vShield Manager appliance
- Configure vShield Manager appliance
- Deploying vShield appliance
- Converting vShield to Template
- Setting up the vShield Manager network and time
- vShield Manager User Interface Basics
- Installing vShield using vShield Manager
- Backing Up vShield Manager Data
- User Management
- Uninstall vShield through the vShield Manager

□ Module 3: vShield App Administration

- vShield App Management
 - View the Current System Status of a vShield App
 - Force a vShield App to Synchronize with the vShield Manager
 - Restart a vShield App
 - View Traffic Statistics by vShield App Interface
- **Flow Monitoring**
 - View a Specific Application in the Flow Monitoring Charts
 - Change the Date Range of the Flow Monitoring Charts
 - View the Flow Monitoring Report
 - Add an App Firewall Rule from the Flow Monitoring Report
 - Delete All Recorded Flows
 - Editing Port Mappings
- **App Firewall Management**
 - Using App Firewall
 - Create an App Firewall Rule
 - Create a Layer 2/Layer 3 App Firewall Rule
 - Creating and Protecting Security Groups
 - Validating Active Sessions against the Current App Firewall Rules
 - Revert to a Previous App Firewall Configuration
 - Delete an App Firewall Rule

□ Module 4: vShield Edge Administration

- vShield Edge Management
- View the Status of a vShield Edge
- Specify a Remote Syslog Server
- Managing the vShield Edge Firewall
- Create a vShield Edge Firewall Rule
- Validate Active Sessions Against Current vShield Edge Firewall Rules
- Manage NAT Rules
- Manage DHCP Service
- Manage VPN Service
- Manage Load Balancer Service
- Start or Stop vShield Edge Services

□ Module 5: vShield Endpoint Administration

- vShield Endpoint Events and Alarms
- View vShield Endpoint Status
- Host, SVM and VM Alarms
- Events
- Audit Messages

❑ Module 6: VMware vCenter Orchestrator Administration

- ❖ Orchestrator Architecture
- ❖ Orchestrator Features
- ❖ Orchestrator System Requirements
- ❖ Installing and Upgrading Orchestrator
- ❖ Configuring vCenter Orchestrator
- ❖ Configuring the Orchestrator Server
- ❖ Additional Configuration Options
- ❖ VMware vCenter Orchestrator Client
- ❖ Managing Workflows
- ❖ Managing Policies / Using Packages

❑ Module 8: vCenter Multi-Hypervisor Manager

- ❖ Multi-Hypervisor Manager Overview
- ❖ Prerequisites Multi-Hypervisor Manager
- ❖ Installing and Configuring vCenter Multi-Hypervisor Manager
- ❖ Required Privileges to Access
- ❖ Managing Third-Party Hypervisors
- ❖ Creating & Managing VMs on Third-Party Hosts

❑ Module 7: VMware vCenter Operations Manager

- ❖ vCenter Operations Manager Overview
- ❖ Installing & Configuring and Managing vCenter Operations Manager
- ❖ vCenter Operations Manager User Management
- ❖ Configuring Resources
- ❖ Configuring and Managing Users
- ❖ Configuring Alert Notifications
- ❖ vCops Administration Tasks
- ❖ Working with Faults and Alerts
- ❖ Using and Configuring Widgets
- ❖ Designing Your Workspace

❑ Module 9: vCenter Log Insight

- ❖ Log Insight Overview
- ❖ Log Insight Architecture
- ❖ Log Insight Prerequisites
- ❖ Log Insight Installation
- ❖ Log Insight Web User Interface
- ❖ Log Insight Dashboards
- ❖ Enable AD User Authentication
- ❖ Managing User Accounts
- ❖ Integrating Log Insight
- ❖ Configure Log Insight System Alerts

❑ This Course Specially designed for Mastering of vSphere Administration

❖ Terms & Conditions

- ❑ He/She must have any one of the Administration knowledge of IT infrastructure as mentioned below.
 - System administrators of (Windows, Linux, Unix, MAC ...etc.)
 - Systems engineers
 - Storage administrators
 - Network administrators
 - Network Security administrators ...etc.

PREREQUISITE: VMware vSphere-5.5 L2 Administration.

- ❑ Online LAB Access will be provided 24/7 for 30day's as per additional payment only.
- ❑ The course content can be changed as per the technology with or without prior notice.
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