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## VMware Infrastructure 3: Overview v3.5

**Duration: 1 Day**    **Course Code: VMO**

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### Overview:

This hands-on training course introduces the most compelling features of VMware Infrastructure 3. This course demonstrates VMware Infrastructure 3 features capable of reducing your IT costs while improving efficiency, availability, flexibility, and manageability.

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### Target Audience:

The course is designed for technical persons responsible for evaluating VMware ESX Server and VirtualCenter; including IT managers, system architects, and system administrators.

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### Objectives:

- By the end of the course, you should be able to have an understanding of VMware Infrastructure 3 core features through introductory lectures and hands-on demonstration labs, including:
    - Deploying virtual machines using VMware VirtualCenter
    - Performing live migrations of virtual machines
    - Configuring VMware ESX Server clusters to automatically balance virtual machine workloads
  - Hierarchically allocating CPU and memory resources to specific business functions
  - Using VMware VirtualCenter alarms to proactively monitor the virtual datacenter
  - Ensuring high availability of applications
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### Prerequisites:

System administration experience on Microsoft Windows® or Linux® operating systems

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## Content:

### Module 1: Virtual Infrastructure Overview

- Define virtualization and the VMware Infrastructure
- Discuss server consolidation and virtual machines
- Learn to use the VMware VirtualCenter management interface
- View virtual network and storage components

### Module 2: Create a Virtual Machine

- Create and use templates to deploy virtual machines
- Automate guest operating system customization

### Module 3: CPU and Memory Resource Pools

- Hierarchically allocate CPU and memory resources
- Set VM priorities on CPU and memory resources

### Module 4: Migrate Virtual Machines Using VMotion

- Migrate live virtual machines

### Module 5: VMware Distributed Resource Scheduler (DRS) Clusters

- Configure a VMware DRS cluster and resource pools
- Configure VMware DRS cluster automation levels

### Module 6: Monitoring Virtual Machine Performance

- Use VMware VirtualCenter graphs to monitor virtual machine performance
- Understand VMware ESX Server memory management mechanisms

### Module 7: Performance Alarms

- Use VMware VirtualCenter alarms to monitor and proactively respond to VMware ESX Server and virtual machine state changes

### Module 8: VMware High Availability (HA) Clusters

- Configure a VMware HA cluster
- Configure VMware HA cluster options

### Module 9: VMware Infrastructure 3 Product and Feature Overview

- Discuss how different VMware products and features working together should be able to reduce the costs and improve the efficiency, availability, flexibility, and manageability of your datacenter

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 01924 377489

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