MS 10750A Monitoring and Operating a Private Cloud with System Center 2012

Description: This course describes how to monitor and operate a private cloud with Microsoft System Center 2012. This course focuses on how to manage and administer the private cloud, and it describes how you can monitor key infrastructure elements and applications that run within the private cloud. It does not discuss planning and implementation, which is covered in 10751A: Configuring and Deploying a Private Cloud with System Center 2012.

Days: 5

Prerequisites: Before attending this course, students must have:
- Windows Server 2008 R2 experience
- Active Directory Domain Services (AD DS) knowledge
- Networking experience
- Working knowledge of previous versions of System Center products
- Knowledge of configuration of Microsoft SharePoint
- Hyper-V knowledge
- Knowledge of data center management processes
- Storage Area Network (SAN) Knowledge

Module 1: Introduction to the Private Cloud
- Overview of the Cloud Computing Model
- Requirements for the Private Cloud
- Operating a Private Cloud Infrastructure with System Center
- Maintaining the Health of the Private Cloud
- Integrating System Center Components
- Verifying the Compliance of the Private Cloud Infrastructure

Module 2: Configuring and Optimizing Business Unit Clouds
- Overview of System Center Virtual Machine Manager
- Managing a Virtual Environment with Virtual Machine Manager
- Creating Business Unit Clouds

Module 3: Deploying Cloud Services
- Overview of Service Templates
- VMM Profiles
- Web Deploy Packages
- Overview of Server App-V
- Data-Tier Application Packages
Module 4: Monitoring Private Cloud Services

- Overview of System Center Operations Manager
- Agent Deployment in Operations Manager
- Configuring Custom Monitoring
- Monitoring the Network Infrastructure
- Monitoring Distributed Applications

Module 5: Configuring Application Performance Monitoring

- Application Performance Monitoring
- Advanced Monitoring in Application Performance Monitoring
- Viewing Application Performance in Operations Manager

Module 6: Operating and Extending Service Management in the Cloud

- Overview of Service Manager
- Configuring Security and User Roles
- Configuring Work Items
- Configuring Incident Queues
- Configuring Service Offerings

Module 7: Automatic Incident Creation, Remediation, and Change Requests

- Overview of System Center Orchestrator 2012
- Integrating Orchestrator with Operations Manager and Service Manager

Module 8: Problem Management in the Private Cloud

- Overview of Problem Management
- Creating Custom Rules

Module 9: Automating Self Service Provisioning

- Installing and Configuring the System Center Cloud Services Process Pack
- Cloud Services Configuration Items
- Cloud Services Request Items

Module 10: Private Cloud Protection and Recovery

- Protecting Data in the Private Cloud
- Recovering Data in the Private Cloud

Module 11: Configuring Compliance in the Private Cloud

- Overview of the Process Pack for IT GRC
- Installing and Configuring the Process Pack for IT GRC
- Implementing an IT GRC Control Management Program
- Maintaining Compliance through VMM Security Baselines and System Center Advisor

Module 12: Configuring SLAs, Dashboards and Widgets

- Service Level Tracking
- Configuring and Deploying Widgets and Dashboards
- Publishing Real-Time State with Microsoft Visio Snap-in
- System Center Analytics
- Using Excel and SSRS to View Data
- Overview of PerformancePoint