Module 01 - System Center 2012
Lesson 1: What is System Center 2012?
Suite of Components
Operations Manager
Configuration Manager
Service Manager
Orchestrator
Data Protection Manager
Virtual Machine Manager
Putting it All Together
Module 01 Review

Module 02 - Introducing the Cloud
Lesson 1: Discussion of Cloud Computing
How Cloud Computing Came About
Differences Between Private and Public Clouds
Models
Implementing the Private Cloud
Using System Center 2012 with the Private Cloud
Lesson 2: Important Requirements
Requirements
Onboarding and Services
Administrative Functions
Lesson 3: Working with System Center and the Infrastructure
Using VMM for the Cloud Design
Cloud Management with the VMM
Orchestrator
Lesson 4: Maintaining the Cloud Health
How to Monitor Health and Performance
What Are the Key Indicators?
Lesson 5: How Components are Integrated
Why Integrate SC Components?
How to Make Sure All is Working
Lesson 6: Are You in Compliance?
Compliance
Remediation
Demo - Verifying the Private Cloud Infrastructure
Demo - Verifying System Center Components
Module 02 Review

Module 03 - Working with the Business Cloud
Lesson 1: Examining SC 2012 VMM
Introducing VMM
Features of VMM
Securing VMM
Lesson 2: Working with VMs with the VMM
Looking at the Fabric
VMs
Jobs
Working with Settings
Lesson 3: Creating Clouds for Business
The Business Unit
Resources
Capacity
Capabilities
Demo - Configuring and Optimizing Business Unit Clouds
Module 03 Review

Module 04 - Cloud Services
Lesson 1: Looking at Service Templates and VMM Profiles
What Constitutes the Service Template
Planning and Preparation of the Service Template
Guest OS Profiles
Hardware Profiles
Application Profiles
SQL Server Profile
Lesson 2: Web Deploy Packages
Describing Web Deploy
How to Install and Create a Package
Connecting Web Deploy to an App Profile
Lesson 3: Server App-V Introduction
Understanding the Server App-V
How to Sequence an Application
Lesson 4: The Data of the N-Tier Application
Describing Data-Tier Application Packages
Using DAC Packages with VMM
Using DAC Packages with VMM (Continued)
Demo - Importing and Deploying the Stock Trader Application
Module 04 Review

Module 05 - Monitoring
Lesson 1: Overview of Operations Manager
What is Operations Manager?
User Roles to Secure Operations Manager
Operations Manager Architecture
Deploying Agents Manually and Automatically
Active Directory’s Involvement with Deploying Agents
Lesson 2: Customize the Monitoring Operations
What is a Management Pack?
Monitoring Cloud Components
Lesson 3: Monitoring Application Performance
Types of Applications
Using the APM Template
How APM Monitors Performance and Reliability
Basic Configuration of APM
Lesson 4: Advanced Monitoring
Server Side Monitoring
Server Side Best Practices
Client Side Monitoring
How to Fine Tune APM’s Configuration
Lesson 5: Using Operations Manager for Applications
Applications Monitoring with Operations Manager
What is the Application Advisor?
Application Diagnostics
Lesson 6: Using Operations Manager for the Network
Operations Manager Support Network Devices and Extended Monitoring Capabilities
What Security Issues Should You Think of When Monitoring the Network Infrastructure?
How to Configure Network Device Monitoring
Lesson 7: Using Operations Manager for Distributed Applications
Understanding Distributed Applications
Monitoring Distributed Applications
Viewing Distributed Application Health
Demo - Deploying an Agent
Demo - Configuration for Custom Monitoring
Demo - Configuring Basic Monitoring and Application Performance
Module 05 Review

Module 06 - Automating Responses
Lesson 1: Looking at Orchestrator 2012
Orchestrator Components
Orchestrator Integration Packs
Lesson 2: Putting Orchestrator, Operations Manager, and Service Manager Together
Integration with Operations Manager
Integration with Service Manager
Activity Collections
Workflow Controls
Configuring Runbook
Demo - Operating and Extending Service Management
Demo - Prerequisites for Automating Self-Service Provisioning
Module 06 Review

Module 07 - Managing Problems in the Private Cloud
Lesson 1: What is Problem Management
Comparing Incidents to Problems
Describing Problem Management
Creating Problem Records with Service Manager
How to Link Problems to Incidents
Lesson 2: Using Custom Rules
Types of Rules
Targeting Rules and Monitors to Applications and Computers
Module 08 - Service Management in the Private Cloud
Lesson 1: Service Manager Introduction
  Introduction to Service Manager
  Architecture
  Integration with Other SC Components
  Operating Service Manager
Lesson 2: Security Settings
  User Roles
  Run As...
  PowerShell Security
Lesson 3: Work Items
  Incidents
  Problems
  Change Requests
  Release Records
Lesson 4: Incident Queues and Service Offerings
  What is an Incident Queue?
  How to Make an Incident Queue
  Self-Service Portal
  Request Offerings
  Service Offerings
  Demo - Configuring the Incident Template
Module 08 Review

Module 09 - Cloud Protection, Recovery, and Compliance
Lesson 1: Protecting and Recovering Data for the Private Cloud
  What is the DPM?
  Deploying Agents
  How to Make a Protection Group
  Verifying Protected Data
Lesson 2: Data Recovery
  Automating Data Recovery
  How to Recover Data Manually
  What Can a User Recover?
Lesson 3: Overview of the Process Pack for IT GRC
  Compliance Management Processes
  Overview of the Process Pack for IT GRC
Lesson 4: Installing the Process Pack for IT GRC
  Preparing and Configuring the Environment for the Process for IT GRC
  Installing and Configuring the Process Pack for IT GRC
Lesson 5: Implementing an IT GRC Control Management Program
  Creating the Control Management Program
  How to Administer the Control Management Program
Lesson 6: How to Maintain Compliance Through VMM Security Baselines with System Center Advisor
Module 10 - SLAs, Dashboards and Widgets
Lesson 1: Configuring and Deploying Widgets and Dashboards
Configuring Views
Host to Configure and Publish a Dashboard
Lesson 2: Real-Time State Using Visio
Visio Framework
Visio Diagrams
Putting Visio Diagrams on SharePoint
Lesson 3: System Center Analytics
What is SC Analytics?
Discussion of the SC SM Data Warehouse
Introducing SC SM Manager Cubes
Discussion of the SC OM Data Warehouse
Lesson 4: Service Level Tracking
Describing the Process
SLT
SLT Reporting
Using SharePoint
Lesson 5: Viewing SSRS and Excel to View Data
Standard Reports
Using Excel
Service Manager Analysis Library
Lesson 6: PerformancePoint
Architecture
Dashboard Designer
Demo - Configuring Service Level Tracking
Module 10 Review

Module 11 - Cleaning Up System Center Databases
Lesson 1: Service Manager Groom Settings
Saving Data in the Service Manager Database
Working with the Service Manager Data Warehouse Groom Settings
Operations Manager Groom Settings
Lesson 2: View and Purge Orchestrator Runbook Logs
View Orchestrator Logs
Purging Orchestrator Logs
Demo - Creating an IT GRC Control Management Program
Module 11 Review
Course Closure

Total Duration: 10h 16m