

Course Outline

55007-System Center 2012 Orchestrator

Duration: 3 days (18 hours)



Target Audience:

This course is designed for IT professionals who already have prerequisite technical knowledge of the systems they want to manage with Orchestrator 2012.. This course is also for IT professionals who need to understand the critical components of the systems that might require automation.

Prerequisites:

Before attending this course, students must have technical knowledge in the following areas:

- Windows Server 2008 R2 operating system
- Active Directory Domain Services (AD DS)
- Experience with PowerShell,SQL Server,Excel PivotTables and Opalis Integration Server helpful
- Knowledge of the product(s) and function(s) that they plan to automate with Orchestrator 2012
- Familiarity with administration of other System Center 2012 products helpful

Topics Covered:

- Module 1: Introduction to the System Center 2012 OrchestratorLessons
 - History and Evolution of System Center
 - System Center 2012 Product Suite
 - System Center 2012 Licensing
 - Introducing ITIL and MOF
 - System Center 2012 Orchestrator
 - Lab : Introducing System Center 2012Lab : Introducing Service Management
- After completing this module, students will be able to:
- Explain the history and evolution of System Center
 - Differentiate between each of the Systems Center 2012 products
 - Describe System Center 2012 Licensing
 - Provide an overview of ITIL and MOF
 - Identify the purpose and function of Orchestrator 2012
- Module 2: Design and Deployment Considerations for Orchestrator 2012Lessons
 - Preparing to Deploy Orchestrator 2012
 - Installing Orchestrator 2012
 - Exploring Orchestrator 2012 Interfaces
 - Examining Runbook Servers and Global Settings
 - Lab : Touring the Orchestrator 2012 Console and Initial Lab Environment Setup

After completing this module, students will be able to:

- Plan an Orchestrator 2012 deployment
- Identify system requirements of Orchestrator 2012
- Explain and customize Orchestrator 2012 installation options
- Prepare Windows firewall
- Navigate Orchestrator 2012 user interfaces
- Determine performance capacity of Orchestrator 2012 roles
- Configure user security
- Define and configure server properties and global settings

➤ Module 3: Runbook Configuration Basics Lessons

- Creating Runbooks
- Creating Standard Activities
- Working with Monitors, Links and Junctions
- Analyzing Data Using the Orchestrator Data Bus
- Stepping Through Runbooks with the Tester
- Exporting and Importing Runbooks
- Lab : Creating Basic Runbooks

After completing this module, students will be able to:

- Create, export and import runbooks using Runbook Designer
- Automate basic processes using standard activities
- Describe what the data bus is and show how to link activities through subscriptions
- Test and deploy runbooks

➤ Module 4: Advanced Runbooks and Complex Activities Lessons

- Designing Advanced Runbooks
- Reviewing Integration Packs
- Automating Activities with Active Directory Integration Pack
- Implementing Integration Packs
- Executing Programs and Scripts using Runbooks
- Lab : Creating Advanced Runbooks and Complex Activities

After completing this module, students will be able to:

- Explain and configure counters, schedules and variables
- Create complex runbooks using multiple activities and data bus subscriptions
- Download and configure integration packs
- Integrate Orchestrator 2012 with Active Directory
- Deploy and configure Active Directory Integration Pack
- Implement activities from the Active Directory Integration Pack
- Employ command and scripting activities

➤ Module 5: PowerPivot Reporting Lessons

- Introducing PowerPivot for Excel
- Enabling PowerPivot for Reporting
- Lab : Reporting with Excel PowerPivot

After completing this module, students will be able to:

- Explain what a PivotTables is and its benefits
- Enable PowerPivot for Excel 2013
- Create relationships and PivotTables

- Use PowerPivot for Orchestrator 2012 reporting

➤ Module 6: Administration, Management and ExtensibilityLessons

- Determining Fault Tolerance
- Optimizing Performance and Capacity
- Installing with Command Line and Console Push
- Preparing for Disaster Recovery
- Upgrading from Opalis and Migrating Runbooks
- Utilizing the Orchestrator Integration Toolkit
- Lab : Completing a Push Install of Runbook Designer and Runbook ServerLab : Preparing for Backup and Restore

After completing this module, students will be able to:

- Determine high availability and fault tolerance for Orchestrator 2012 roles
- Deploy additional servers for increased capacity
- Describe automated server deployment
- Plan for disaster recovery
- Upgrade from Opalis Integration Server
- Use the Orchestrator Integration Kit to customize integration packs

➤ Module 7: System Center 2012 Integration (optional)

- Lab : Setting up the Initial
- Lab EnvironmentLab : Creating an Orchestrator 2012 Runbook
- Lab : Working with Orchestrator System Center Runbooks

After completing this module, students will be able to:

- Describe System Center 2012 Integration