

55133 PowerShell for System Center Configuration Manager Administrators

Price
\$1,785.00

SATV Eligible

Duration
3 Days

Delivery Methods
VILT, Private Group



This course provides students with the knowledge and skills needed to use PowerShell for System Center Configuration Manager (SCCM) administration. In this course, students learn how to access the PowerShell cmdlets included with SCCM 2012 R2 and use them to perform configuration tasks for a primary site. Individual cmdlets will be used in working with objects such as Boundaries, Boundary Groups, Collections, Software Deployment, Patching, Compliance Settings, OSD Task Sequences, and many others. Basic scripting will also be covered so that students can learn how to put PowerShell to use when working with large sets of objects.

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Who Should Attend

This course is intended for IT professionals who need to manage the day-to-day environment of an SCCM 2012 SP1 or newer environment. Knowledge of the workings of a standalone primary SCCM site and basic PowerShell experience is recommended.

Course Objectives

Create additional site system roles on existing or new servers. Modify high level site settings. Create and modify Discovery Methods, Boundaries and Boundary Groups. Create Collections using any of the membership rules available. Delegate authority through Roles and Scopes. Install the Configuration Manager client, modify client settings and restrict access to site systems. Deploy software to clients. Deploy software updates to clients. Configure compliance settings targeted against collections. Modify settings that govern monitoring functions such as Alerts and Status Settings. Work with Task Sequences for Operating System Deployment. Write basic PowerShell scripts using cmdlets learned and scripting constructs to accomplish configuration tasks.

Agenda

1 - REVIEW OF SYSTEM CENTER CONFIGURATION MANAGER CONCEPTS

Architecture of an System Center 2012 Configuration Manager Installation Managing Assets Content Delivery and Management Security, Monitoring, and Remote Management

2 - MANAGING RESOURCES

Implementing Discovery Organizing Resources with Collections Working with Boundaries

3 - WORKING WITH CLIENTS

Installing the Configuration Manager Client Managing Client Settings Managing Client Operations Monitoring Client Status

4 - DISTRIBUTING SOFTWARE

Configure the Software Distribution Components Working with Distribution Points Creating Content for Distribution Deploying Software Applications

5 - UPDATING SYSTEMS WITH WSUS AND SCCM

Integrating Configuration Manager and WSUS Managing Updates through Software Update Groups Creating and Deploying Update Packages Working with Automatic Deployment Rules

6 - HOW POWERSHELL CAN MANAGE COMPLIANCE SETTINGS

Creating Compliance Settings Objects Deploying and Monitor the Baseline

7 - CONFIGURING OPERATING SYSTEM DEPLOYMENT OBJECTS

Preparing the OSD Environment Working with Task Sequences

8 - WORKING AT THE SITE LEVEL

Modify the Site Adding Site System Roles Adding a Secondary Site

9 - SECURITY AND MONITORING

Configuring Role Based Administration Implementing Endpoint Protection Configuring Monitoring Options

10 - USING POWERSHELL SCRIPTING TO AUTOMATE SCCM TASKS

Review of Scripting Constructs Introduction to the Configuration Manager WMI Classes

Prerequisite Courses Recommended

- 10961 Automating Administration with Windows PowerShell