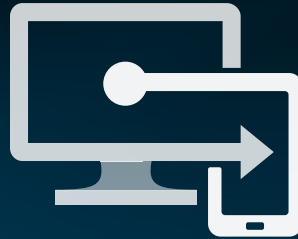




Microsoft Partner



**CL\_55307**

# Configuration Manager: Simple and Advanced Package/ Program Deployments

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## About this course.

This course is intended for IT professionals who are interested in expanding their knowledge about and technical skills in Microsoft Endpoint Configuration Manager software deployment by using the legacy package/program method. In this course, students learn which scenarios may be better suited to package/program deployments; how to configure packages, programs, and package/program deployments; and how to use task sequences and scripts for complex package/program deployments. The course is based on Configuration Manager v.2107, but the principles and skills conveyed apply to any version released since System Center Configuration Manager 2012.

## Length.

1 Day.

## Audience profile.

This course is intended for Windows administrators who have either a minimum of three months of administration experience with any version of Configuration Manager or completed course 20703-1: Administering System Center Configuration Manager -OR- course 55313: Administering Configuration Manager, Part I: Fundamentals and Asset Management & course 55314: Administering Configuration Manager, Part II: Change Management.

## Prerequisites.

Before attending this course, students must have:

- An understanding of the application management feature and process in Configuration Manager, including an understanding of content management and distribution point administration.
- Windows desktop administration skills, including troubleshooting skills.
- Basic knowledge of Windows commands and PowerShell syntax.
- Basic Active Directory knowledge and administration skills.
- A basic understanding of Windows software installation and the Windows Installer.

- A basic understanding of certain network protocols, such as hypertext transfer protocol (HTTP) and server message block (SMB).

## At course completion.

After completing this course, students will be able to:

- Describe the key features of package/program-based software deployment in Configuration Manager.
- Identify scenarios in which package/program-based software deployment may be preferable to the modern method of application management.
- Create packages and programs both manually and by using package definition files.
- Deploy software by using the package/program method.
- Monitor and troubleshoot package/program deployment.
- Remove software from a Configuration Manager client by using a package and a program.
- Use scripts to deploy packages/programs that have prerequisites.
- Use task sequences to deploy packages/programs that have prerequisites, ordered series of packages/programs, and perform complex package/program-based tasks.

## Exam.

None.

## Course outline.

### Module 1: Package/Program Software Deployment.

This module explains the concepts and processes involved in Configuration Manager software deployment using the legacy package/program method. It describes some scenarios in which the package/program method may be preferable to the modern application-management method. It also explains the process of creating a package and its corresponding program(s).

- Fundamentals of Package/Program Software Deployment.
- Creation of a Package and Program.
- Automatic Creation of a Package and Programs.
- Deployment and Monitoring of a Package/Program.

**Labs: Creating and Deploying Packages/Programs.**

- Creating a Package and Program.
- Creating a Package and Programs by Using a Package Definition File.
- Deploying Packages and Programs.
- Monitoring Package/Program Deployment.

**After completing this module, students will be able to:**

- Describe the key features of package/program-based software deployment in Configuration Manager.
- Identify scenarios in which package/program-based software deployment may be preferable to the modern method of application management.
- Create packages and programs both manually and by using package definition files.
- Deploy software by using the package/program method.
- Monitor and troubleshoot package/program deployment.

**Module 2: Software Removal Using the Package/Program Method.**

This module explains how to use the package/program method to remove software from Configuration Manager client computers. It covers both creating a new package/program for removing software already installed on client computers as well as adding a software-removal program to an existing software-deployment package.

- Methods for Uninstalling Software by Using a Package and Program.
- Creation of an Uninstall Program in an Existing Package.
- Creation of an Uninstall Package/Program.

**Labs: Uninstalling Software by Using Packages and Programs.**

- Adding an Uninstall Program to an Existing Package.
- Creating an Uninstall Package/Program.
- Deploying and Monitoring Uninstall Packages/Programs.

**After completing this module, students will be able to:**

- Describe the options for removing software by using the package/program method.
- Remove software from a Configuration Manager client computer by using a package and a program.

**Module 3: Complex Software Deployment Using the Package/Program Method.**

This module explains how to combine the package/program method with scripts and task sequences to perform complex software deployments. It also explains how to use packages and programs in task sequences to perform other tasks.

- Limitations of the Package/Program Method.
- Scripts for Installing Package/Program Prerequisites.
- Task Sequences for Installing Package/Program Prerequisites and Handling Complex Package/Program Deployments.

**Labs: Using Scripts and Task Sequences for Complex Package/Program Deployments.**

- Using a Script to Deploy a Package/Program with Prerequisites.
- Using a Task Sequence to Deploy a Package/Program with Prerequisites.
- Using a Task Sequence for Complex Package/Program Deployment.
- Challenge: Using a Task Sequence to Perform an Offline Virus Scan (optional).

**After completing this module, students will be able to:**

- Describe the limitations of package/program deployments and the options for mitigating those limitations.
- Use scripts to deploy packages/programs that have prerequisites.
- Use task sequences to deploy packages/programs that have prerequisites, ordered series of packages/programs, and perform complex package/program-based tasks.

