

Managing Software Distribution and Deployment by Using Packages and Programs

Module Overview

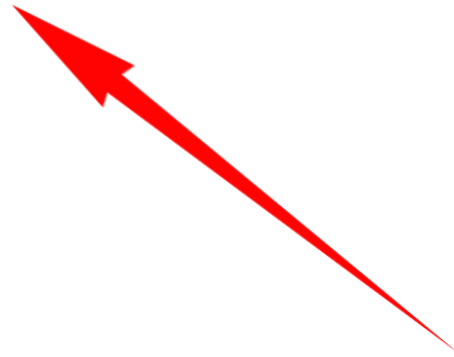
- Configuring Software Deployment
- Configuring Packages and Programs
- Distributing Content to Distribution Points
- Deploying Programs to Configuration Manager Clients

Lesson 1: Configuring Software Deployment

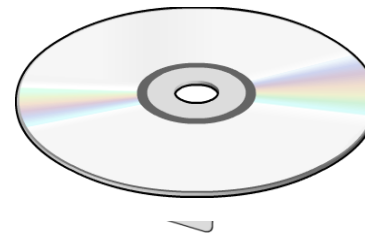
- Overview of Software Deployment
- Benefits of Using Packages and Programs to Distribute Software
- Deploying Software
- Configuring a Site for Software Deployment
- Demonstration: Configuring the Software Deployment Component and Client Settings

Overview of Software Deployment

Packages contain
files for deployment

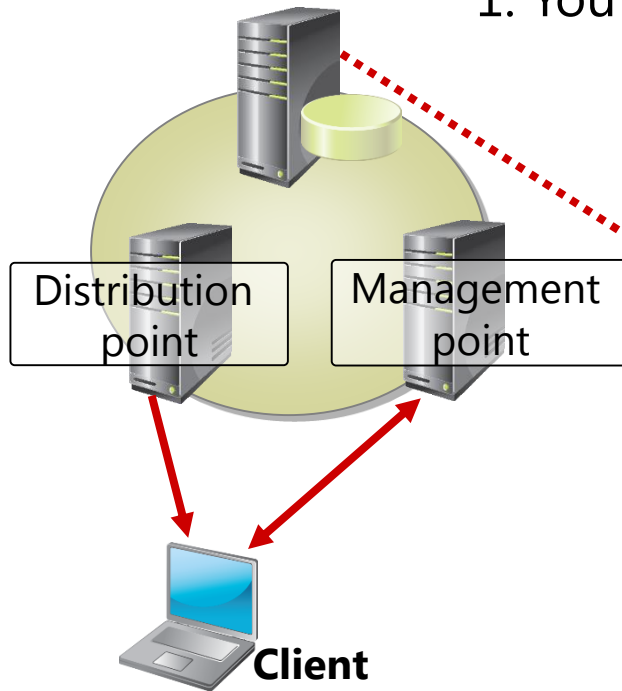


Source
media



Deploying Software

1. You prepare site for software deployment



2. You create software deployment objects

Icon	Software	Collection	Purpose	Action	Feature Type
	Microsoft PowerPoint Viewer (Per-...)	All Windows 8.1 Workstations	Required	Install	Program

Microsoft PowerPoint Viewer (Per-system unattended) Status to All Windows 8.1 Workstations

General	Completion Statistics	Related Objects
<p>Software: Microsoft PowerPoint Viewer (Per-system unattended)</p> <p>Collection: All Windows 8.1 Workstations</p> <p>Feature Type: Program</p> <p>Purpose: Required</p> <p>Date Created:</p> <p>Last Date Modified: 12/1/2013 8:43 PM</p>	<p></p> <p>Total Asset Count: 2 (Last Update: 12/1/2013 8:50:14 PM) View Status</p>	<p>Collection</p> <p>Applications</p> <p>Content Status</p>

Content Status

1 Targeted (Last Update: 12/1/2013 8:43 PM)

3. Client runs deployed programs and returns status

4. You monitor and troubleshoot software deployment



Configuring a Site for Software Deployment

- Site configuration tasks may include configuring the:
 - Software deployment component to specify concurrent distribution settings
 - Network Access Account
 - Client Settings, such as:
 - Client policy polling interval
 - Notification settings
 - State message reporting
 - Distribution point and content management settings

Lesson 2: Configuring Packages and Programs

- Configuring a Package
- Configuring a Program
- Demonstration: Creating a Package and Program

Configuring a Package

- To create a package, use the Create Package and Program Wizard to specify:
 - **Package**: General and data source information
 - **Program Type**: Standard program, Program for device, and Do not create a program
 - **Requirements**: Run another program first, Platform requirements, Estimated disk space, and Maximum allowed run time
 - Standard program\Program for device: Name, Command line, and Run options
- To create a package and programs from a package definition file, use the Create Package from Definition Wizard

Configuring a Program

- To create a program:
 - Specify a name for the program
 - Specify the command line
 - Define the requirements
 - Define the environment
 - Define the advanced settings
 - Specify or import the Windows Installer product information
 - Specify the Operations Manager maintenance mode settings

Demonstration: Creating a Package and Program

In this demonstration, you will see how to:

- Create a package and a program
- Modify a package
- Create a new program

Monitoring Content Status

Methods to monitor content distribution include:

- Reviewing the content status
- Monitoring the Package Transfer Manager
- Reviewing the PkgXferMgr.log
- Reviewing the Software Deployment – Content reports
- PowerShell cmdlets

The screenshot shows the Monitoring console interface. The left-hand navigation pane is expanded to 'Monitoring' > 'Content Status' > 'Microsoft Office Viewers 2007 English'. The main area displays the 'Content Status' for this package. It includes a 'Refresh' button and a green status indicator. Below this, there are radio buttons for 'Success', 'In Progress', 'Error', and 'Unknown', with 'Success' selected. A summary table shows the overall status:

Status	Assets	Status Type
Successfully distributed content	2	Success

Below the summary table is the 'Asset Details' section, which includes a search filter and a table of individual assets:

Device	Last Status Time	Group Targeted	Description
LON-SVR1.ADATUM.COM	7/20/2013 5:59 PM	Yes	Distribution Manager successfully distributed package "S0100...
LON-CFG.ADATUM.COM	7/20/2013 5:58 PM	Yes	Distribution Manager successfully distributed package "S0100...

Lesson 4: Deploying Programs to Configuration Manager Clients

- Configuring Program Deployments
- How Clients Run Deployments
- Monitoring Software Deployment Status
- Demonstration: Deploying a Software Package by Using the Deploy Software Wizard

Configuring Program Deployments

To create and configure a deployment:

- Specify the program and target collection
- Verify content destination
- Define deployment settings, such as Action and Purpose
- Define the schedule for the deployment
- Define the user experience
- Specify how to run the program according to the speed of the client's connection to the distribution point

How Clients Run Deployments

Method	Examples
Required	Program is run after an event (for example, on log on or log off), or at a specific date and time
Available	

Download content from the distribution point and run locally: Client uses BITS to download the package, and then runs the program locally

Run program from the distribution point: Client uses SMB to download the package

One method to manually run an available program:

- From the Start menu, run Software Center

