Ivanti Patch for SCCM

File Downloader
User's Guide

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Document Information and Print History

Document number: N/A

Date	Version	Description
October 2016	Shavlik Patch 2.3	Initial release of this guide.
April 2017	Ivanti Patch for SCCM 2.3, Update 1	Rebrand of this guide to Ivanti.

HOW TO MANAGE FILES IN A DISCONNECTED ENVIRONMENT

Purpose of This Guide

This document provides a roadmap of tasks you must perform when manually managing your catalog file(s) and your update binary files in a disconnected environment.

Overview

If you are using Ivanti Patch for SCCM in a secure, disconnected environment, you will use the **Settings > Offline Options** dialog to put Ivanti Patch for SCCM into offline mode. This means the console will not attempt to download newer catalog and update files. Offline mode is typically used by sites that require the use of fixed versions of data that have been approved for use. It is also useful if your security policy requires you to perform actions without downloading data files from the Web.

There are certain restrictions when operating Ivanti Patch for SCCM in offline mode:

- You cannot download updates directly using the **Download** button or by right-clicking an update.
- You cannot publish updates that have not been manually downloaded and moved to the Local Source folder.

When in offline mode, you must manually download your catalog file(s) and your update binary files from an Internet-connected machine and then move the files to your console machine. You perform these tasks with the help of the File Downloader PowerShell script. See the sections that follow for information on installing and using this script.

Prerequisites

In order to use the File Downloader PowerShell script, the Internet-connected machine must contain the following:

- Windows PowerShell 4.0 or later
- Microsoft .NET Framework 4.0 or later

Installing the File Downloader PowerShell Script

Your first step is to download and install the File Downloader PowerShell script on an Internet-connected machine.

1. Go to www.shavlik.com/support/patch/downloads/.
2. Locate the link to the File Downloader and download it to your Internet-connected machine.
3. Open the .zip file and extract the PowerShell script (named **DownloadDisconnectedData.ps1**).

Downloading the Latest Catalog Files

This section describes how to:

I. Use the File Downloader PowerShell script to download the latest version of the catalog file(s) from an Internet-connected machine.

II. Manually move the files to the proper folder on the console machine.

On Your Internet-Connected Machine

1. Start a Windows PowerShell console.

   Be sure to run as administrator.

2. Change to the directory that contains the PowerShell script.

3. Use the PowerShell script to download the catalog files.

   For example:

   ```
   PS C:\> .\DownloadDisconnectedData.ps1 –outdir “C:\Dwnloads” –product “Patch” –version 23 –dwnlNewDataFileOnly
   ```

4. Copy the files from the \DataFiles sub-folder of the output directory to a portable storage device.

   In the example above, the catalog files will be found in the `“C:\Dwnloads\DataFiles”` directory.

On the Console Machine

1. Paste the downloaded catalog files to the **Shavlik Patch** folder on your console machine.

   The default location of this folder is: **C:\Users\<%Username%>\Shavlik\Shavlik Patch**

2. Launch Microsoft System Center Configuration Manager, select the Ivanti Patch workspace and then click the refresh icon ( ).

Your catalog files are now up to date. You can verify version information on the **Settings > About** tab.

Downloading the Desired Update Binary Files

This section describes how to:

I. Specify which updates you want to download and publish.

II. Download the desired updates from an Internet-connected machine.

III. Move the update files to your console machine.

On the Console Machine

1. Make sure the console is in offline mode.

   On the **Settings > Offline Options** dialog, enable the **Run disconnected** check box.

2. Make sure you have the latest catalog files (see the previous section titled *Downloading the Latest Catalog Files*).

3. From the Ivanti Patch workspace, select the updates that you want to download.

4. Click **Download**.

   The **Offline Downloads** dialog is displayed. This dialog is automatically displayed whenever you attempt to download a file from a Ivanti Patch for SCCM console that is in offline mode.

5. On the **Offline Downloads** dialog, click **Create file**.

   An XML data file (<GUID>.xml) is created in your temp folder (defined by your %TEMP% variable; e.g. **C:\Users\<username>\AppData\Local\Temp**). The data file contains information that will be used by the File Downloader PowerShell script. The file tells the script which updates to download and which related files must also be downloaded in order to successfully install the updates. Any updates already contained in the local source folder will be ignored and will not be included in the data file.

6. Copy the XML data file from the output folder to a portable storage device.

On an Internet-Connected Machine That Contains the File Downloader PowerShell Script

1. Paste the downloaded XML data file to your Internet-connected machine.
2. Start a Windows PowerShell console.

   Be sure to run as administrator.

3. Change to the directory that contains the File Downloader PowerShell script.
4. Use the PowerShell script to download the update binary files.

   For example:

   ```
   PS C:\> .\DownloadDisconnectedData.ps1 –outdir “C:\Data” 
   -product “Patch” -doNOTDwnlDataFile 
   –downloadPackageInputFilePath “C:\UpdatesToDownload\
   <Data_File_GUID>.xml”
   ```

   The output directory will be created by the PowerShell script. A sub-folder named **\Updates** will be created within the specified output directory and the updates will be written to that folder. Any update binary file that is already contained in the **\Updates** folder will not be downloaded again. You should check the status of each downloaded update. If an update is no longer available from the vendor, or if the vendor has replaced the file at the download URL, a message will be displayed.

5. Copy the **\Updates** folder to a portable storage device.

On the Console Machine

The **\Updates** folder will contain a number of GUID folders (one for each update that you downloaded). Paste the GUID folders from the portable storage device to the Local Source folder on the console. The location of the Local Source folder is defined on the **Settings > Offline Options** tab.

Important! Do not paste the entire **Updates** folder to the Local Source folder; rather, paste just the contents of the **Updates** folder.

The selected updates can now be published from the offline console machine.

Learn More about the PowerShell Script

The File Downloader PowerShell script is extremely powerful and contains several parameters and switches beyond those shown in this document. To learn more about the File Downloader PowerShell script, display the script help system by typing the following command:

```
PS C:\> Get-help .\DownloadDisconnectedData.ps1 –full
```