

# MaxCS Release 8.5

System Center Configuration Manager Client Remote Deployment Guide

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# Introduction

System Center Configuration Manager (SCCM) is a systems management software product available from Microsoft. It helps administrators manage large groups of computers running versions of Windows operating systems.

This document explains how perform remote deployment of the MaxCS clients (specifically, MaxAgent, MaxSupervisor, and MaxInSight). These instructions assume that you are familiar with using SCCM to deploy applications within your environment.

During these procedures, you will first create the deployment packages in SCCM. Then you will deploy those package to the client systems.

### Requirements

- SCCM 2012 R2
- A SQL database

#### Before you Begin

- 1. First, obtain from your Altigen representative:
  - The Remote Deployment package (this should include the ISScriptEngine, MicrosoftUCCAP, and AltigenJLIB folders)
  - The installation programs for each MaxCS client you want to install
- 2. Make sure that you have SCCM set up and functioning properly.
  - <u>If you have successfully deployed .msi applications in the past</u>, for other applications, then the procedures in this document will work correctly and you can skip the procedures in Step 1.
  - <u>If you have never deployed .msi files with SCCM in your current environment</u>, then we recommend that you follow the procedures in Step 1 to configure SCCM.
- 3. Once you have confirmed that SCCM is set up properly, then create collections for the client systems that need MaxAgent, MaxCommunicator, and MaxSupervisor.

## **Step 1: SCCM Preparation**

If you have never deployed .msi files with SCCM in your current environment, follow the steps in this section to configure SCCM. Then confirm that SCCM works properly by testing it on another application before you create Altigen packages and deploy them. One option is to do a test deployment of Google Chrome. Once the test deployment has completed successfully, continue with the remainder of this guide.

Detailed instructions for these steps can be found on the Microsoft Technet site at (<u>https://social.technet.microsoft.com/search/en-US</u>).

- 1. Prepare Active Directory for the Configuration Manager.
  - a. Create the System Management Container in Active Directory.



- b. Extend the schema.
- 2. Install the following components on the server:
  - a. BITS
  - b. Remote Differential Compression
  - c. IIS components Common HTTP Features
    - Static Content
    - Default Document
    - Directory Browsing
    - HTTP Errors
    - HTTP Redirection
  - d. IIS components Application Development
    - ASP.NET
    - .NET Extensibility
    - ASP
    - ISAPI Extensions
    - ISAPI Filters
  - e. IIS components Health and Diagnostics
    - HTTP logging
    - Logging tools
    - Request Monitor
    - Tracing
  - f. IIS components Security
    - Basic Authentication
    - Windows Authentication
    - URL Authorization
    - Request Filtering
    - IP and Domain Restrictions
  - g. IIS components Performance
    - Static Content Compression
  - h. IIS components Management Tools
    - IIS Management Console
    - IIS Management Scripts and Tools
    - Management Service
  - i. IIS components IIS 6 Management Compatibility
    - IIS 6 Metabase Compatibility
    - IIS 6 WMI Compatibility
    - IIS 6 Scripting Tools
    - IIS 6 Management Console
  - j. .NET 3.5
- 3. Install the Windows Assessment and Deployment Kit (Windows ADK) for Windows 8.1
  - a. Download the kit from <a href="https://www.microsoft.com/en-gb/download/details.aspx?id=39982&tduid=(03fa2223e274ca484196b9ba9eb7e2dd)(256380)(2459594)(TnL5HPStwNw-vSLEcZ5hnT2DOTMc9fWSbg)()</a>
  - b. Run the downloaded file. When the process has competed, restart the system.



- 4. Install SQL Server.
- 5. Install SCCM 2012 R2.

### **Step 2: Create Packages**

Create the deployment packages in the following order.

- 1. Create the package for ISScript.
  - A. In SCCM, select Software Library > Overview > Application Management > Packages > Create Package.



B. Enter **ISScript** as the package Name, check the option *This package contains source files*, and specify the *ISScriptEngine* folder as the Source folder location.



a	Create Package and Program Wizard	X
C Package Program Type Standard Program Requirements Summary Progress Completion	Create Package and Program Wizard  Specify information about this package  Enter a name and other details for the new package. To take full advantage of new features that includ Application Catalog, use an application instead.  Name: ISSoriet Description: Language: Version:	e the
	This package contains source files Source folder	
	\\SCCMVinstalFiles12VISScriptEngine	rowse

C. In the next panel, choose *Standard program* and click **Next**.

3	Create Package and Program Wizard
Program Type	
Package Program Type	Choose the program type that you want to create
Standard Program Requirements Summary Progress Completion	Standard ppgram Greate a program for a client computer.
	<ul> <li>Program for device</li> <li>Create a program for a device.</li> </ul>
	O go not create a program Create a package, but do not create a program. You can use the Create Program Wizard to add a program later.

D. Enter the name **ISScript** in the *Name* field. Enter the following string into the Command line field:

```
msiexec.exe /i ISScript9.Msi /qn
```

E. For the option *Program can run*, select *Whether or not a user is logged in*. Click **Next**.



	Create Package and Program Wizard			
Standard Pro	ogram			
Package Program Type Standard Program	Specify informati	on about this standard program		
Requirements	Nage:	ISScript		
Summary	Command line:	msiexec.exe // ISScript9.Msi /gn	Browse.	
Progress	Startup folder:			
Completion	Bun	Nomal	v	
	Program can run:	Whether or not a user is logged on	×	
	Run modg:	Run with administrative rights	4	
	Blow users to view	and interact with the program installation		
	Drive mode:	Runs with UNC name	~	
	Peconnect to deter	sution ogist at log on		

F. There are no requirements for this package. Therefore, in the next panel, click Next.

9	Create Package and P	rogram Wizard		
Requirements				
Package Program Type Standard Program	Specify the requirements for this s	standard program		
Requirements	Bun another program first			
Summary	Package		Bruse.	
Progress	Program		v	
Completion				
	Overlage and the boding and			
	Platom requrements			
	<ul> <li>This program can run on any platform</li> </ul>			
	<ul> <li>This program gan run only on specified platf</li> </ul>	ome		
	Al Windows RT 8.1 Al Windows RT 8.1 Al Windows 10 Professional/Enterprise Al Windows 10 Professional/Enterprise Al Windows 2 (54-bi) Al Windows 8 (54-bi) Al Windows 8 (54-bi) Windows Enteedded 8 Industry (54-bi) Windows Enteedded 8 Standard (54-bi) Windows Enteedded 8 1 Industry (54-bi)	and higher (32bit) and higher (54bit) ) )	*	
	Estimated gisk space:	STORES I	~ MB ~	
	Marco and a second second	and the second se		

G. Click the Next button until you have finished creating this package.

#### 2. Create the package for VS2005.

Follow the same procedures as in step 1 to create a new package VS2005:

A. Select Software Library > Overview > Application Management > Packages > Create Package.



- B. Enter **VS2005** as the package name in the *Name* field. Check the option *This package contains source files,* and then specify *VS2005PIA* as the Source Folder location.
- C. In the next panel, choose *Standard program* and click **Next**.
- D. Enter the name **VS2005** in the Name field. Enter the following string into the Command Line field:

```
msiexec.exe /i VS_2005_PIA.msi /qn
```

Select Whether or not a user is logged in and click Next.

E. Check the option Run another program first and select ISScript. Click Next.

	c	reate Package and I	Program Wizard		
Requirements					
Package Program Type Standard Program	Specify the rec	quirements for this	standard program		
Requirements	Bun another pro	igram first			
iummary	Package:	ISScript		Bro	
Completion	Program	ISScript		~	
on open of the second se	Bways run this program first.				
	Platform requireme	Platform requirements			
	This program c	an run on any platform			
	O This program g	an run only on specified pla	forms		
	All Window All Window All Window All Window All Window All Window All Window All Windows Windows I Windows I	es RT es RT 8.1 es 10 Professional/Enterpris es 10 Professional/Enterpris es 3 (64-bt) es 8.164-bt) Embeddied 8 Industry (64-bt Embeddied 8 Standard (64-b Embeddied 8 Standard (64-b	e and higher (32-bit) e and higher (64-bit) ) 4)		<
	Estimated gisk space	æ:	Doknown	~	MB V
		and the second second			

F. Click the **Next** button until you have finished creating this package.

#### 3. Create the package for UCCApi.

- A. Select Software Library > Overview > Application Management > Packages > Create Package.
- B. Enter **UCCApi** as the package name in the *Name* field. Check the option *This package contains source files,* and specify *MicrosoftUCCAP* as the Source Folder location.
- C. In the next panel, choose *Standard program* and click **Next**.
- D. Enter the name **UCCApi** in the Name field. Enter the following string into the Command line field:

```
msiexec.exe /i UccApiSdk.msi /qn
```

Select Whether or not a user is logged in and click Next.

- E. Check the option Run another program first and select VS2005. Click Next
- F. Click the **Next** button until you have finished creating this package.



- 4. Create the package for AltiJLIB.
  - A. Select Software Library > Overview > Application Management > Packages > Create Package.
  - B. Enter **AltiJLIB** as the package name in the Name field. Check the option *This package contains source files,* and specify *AltiGenJLIB* as the Source Folder location.
  - C. In the next panel, choose *Standard program* and click **Next**.
  - D. Enter the name **AltiJLIB** in the Name field. Enter the following string into the Command line field:

```
msiexec.exe /i AltiGenJLIB.msi /qn
```

Select Whether or not a user is logged in and click Next.

- E. Check the option Run another program first and select UCCApi. Click Next.
- F. Click the **Next** button until you have finished creating this package.

#### 5. Create the application for MaxAgent.

- A. Select Software Library > Overview > Application Management > Applications > Create Application.
- B. Select the option Automatically detect information about this application from installation files, and browse to the .msi file for MaxAgent.

6	Create Application Wizard				
General					
General information Summary	Specify settings for this application				
Progress Completion	Applications contain software that you can deploy to users and devices in your Configuration Manager environment. Applications can contain multiple deployment types that cuatomize the installation behavior of the application.				
	Automatically detect information about this application from installation files:				
	Type: Windows Installer (* mai file) v				
	Location: VISCCM Vinital Files 13 MaxAgent MaxAgent 8.5 Update 1 ma Browse				
	Example: \\Server\Sham\Vile				
	Cancel				



C. When you see the popup window indicating that the publisher of the .msi file could not be verified, click **Yes**.



D. The Name field should automatically populate. Type the following string into the *Installation program* field:

msiexec.exe /i MaxAgent	: 6	3.5.msi	/ qn
-------------------------	-----	---------	------

Click Next.

<b>1</b>	Create Application Wizard		
General Informa	tion		
General Import Information General Information	Specify information a	bout this application	
Summary	Name:	MaxAgent 8.5 Update1	
Progress Completion	Administrator comments:		
	Publisher:		
	Software version:		
	Optional reference:		
	Administrative categories:	Select	
	Specify the installation program	for this application and the required installation rights.	
	Installation program:	msiexec /i "MaxAgent 8.5 msi" /qn Browse	
	Run installation program as	32-bit process on 64- <u>bi</u> t clients.	
	Install behavior:	Install for system V	
< III >		< Previous Next > Summary Cancel	

E. Click the **Next** button until you have finished creating this package.

#### 6. Create the application for MaxSupervisor.

- A. Select Software Library > Overview > Application Management > Applications > Create Application.
- B. Select the option Automatically detect information about this application from installation files, and browse to the .msi file for MaxSupervisor.



- C. When you see the popup window indicating that the publisher of the .msi file could not be verified, click **Yes**.
- D. The Name field should be automatically filled in. Type the following string into the *Installation program* field:

```
msiexec.exe /i MaxSupervisor 8.5.msi /qn
```

Click Next.

- E. Click the **Next** button until you have finished creating this package.
- 7. Create the package for MaxCommunicator.
  - A. Select Software Library > Overview > Application Management > Applications > Create Application.
  - B. Select the option Automatically detect information about this application from installation files, and browse to the .msi file for MaxCommunicator.
  - C. When you see the popup window indicating that the publisher of the .msi file could not be verified, click **Yes**.
  - D. The Name field should be automatically filled in. Type the following string into the *Installation program* field:

```
msiexec.exe /i MaxCommunicator 8.5.msi /qn
```

Click Next.

E. Click the **Next** button until you have finished creating this package.

## **Step 3: Deploy Packages to the Client Systems**

Once you have created all of the packages, you are ready to deploy the packages to the client systems. Deploy packages in the following order:

- 1. Deploy ISScript, VS2005, UCCApi and AltiJLIB packages to the MaxAgent, MaxSupervisor, and MaxCommunicator containers that you created in the section <u>Before you Begin</u>.
- 2. Deploy MaxAgent application to the MaxAgent container after the first step is done.
- 3. Deploy the MaxSupervisor application to the MaxSupervisor container.
- 4. Deploy MaxCommunicator application to the MaxCommunicator container.