

Preparing Guardian for deployment

Overview

To deploy, use the same ".msi" file that is used for manual installs. The installer is the same for all user types.

Recommended steps for successful deployments of Guardian:

- 1. Deploy vendor's security certificate
- 2. Prepare a deployment transform file (.mst)
- 3. Perform a test deployment using tool of choice
- 4. Verify the installation on test device
- 5. Perform full deployment to target list of machines

Deploy Security Certificate

To prevent Revit's "Allow Add-In" prompt (image below) from appearing to users when they open Revit, the security certificate must be installed to the client computer's certificate manager via Group Policy. The certificate file is included in the download .zip file.

Secu	rity - Signed Add	In >	<
	This signed	add-in has been found. What do you want to do?	
	Name: Publisher: Location: Issuer: Time stamp:	Guardian App ICONIC BIM LLC C:\ProgramData\Autodesk\Revit\Addins\2023\Guardian2023.dll Sectigo RSA Code Signing CA 05/31/2022 11:16	
\sim	Show details	Always Load Do Not Load)
Wha	at are the risks?		

Instructions: Distribute Certificates to Client Computers by Using Group Policy | Microsoft Docs

*Important: For step 4, choose Trusted Publishers instead of Trusted Root Certification Authorities

To verify, check the user's certificate manager (certmgr.msc):

iconicBIM

🚟 certmgr - [Certificates - Current	User\Trusted Publishers\Certificates]						×
File Action View Help							
🗢 🄿 🙍 📅 🗎 🗖 💁 📔	? 🖬						
Certificates - Current User Personal Trusted Root Certification Au Certif	Issued To	Issued By	Expiration Date	Intended Purposes	Friendly Name	Statu	us C
Certificates Certificates Third Dark Death Certificates		Sectigo RSA Code Signing CA	7/23/2022	Code Signing	<none></none>		
Truet - Party Koot Certification	Intel(R) Embe 'and Subsysteme	External Issuing CA 7B	1 3/2020	Code Signing	<none></none>	يعمدون	ام



Prepare a deployment transform file (.mst)

We can use a free Microsoft tool called "Orca", available from the Microsoft SDK, which provides a graphical user interface for generating Microsoft transform files ".mst". The .mst file will tell the deployment how to install the .msi.

Windows SDK Components for Windows Installer Developers - Win32 apps | Microsoft Docs

1. After installing Orca, load the "msi" file.

	🗠 Untitled - Orca	-	\times
	File Edit Tables Transform Tools View Help		
	口吸血 不要愚笑 法资源 激		
	Tables		
Application Tools			
File Home Share View Manage			
Copy Paste Copy path Move Copy Paste Paste shortcut			
Clipboard Orga			
← → × ↑ 📑 > Thiago Almeida > source > repos 🌶			
Name			
Desktop			
Downloads			
☐ Guardian_T_L.mst			
E Pictures #			

2. On the main menu click "New Transform"

🚉 Guardian.msi - Oro	rca	-					
File Edit Tables T	File Edit Tables Transform Tools View Help						
0 🚅 🖬 🐰 🖣	New Transform						
Tables	Apply Transform		_				
ActionText	View Patch						
AdminExecuteSeq	Generate Transform						
AdminUlSequence	Close Transform						
AdvtExecuteSeque	Transform Properties						
AdvtUlSequence 👘							
Appld							
AppSearch							
BBControl							
Billboard							

iconicBIM



- 3. On "Property" change the following options:
 - (A) USEROPTION = 2 (This will make sure that files will be deployed at "ProgramData")
 - (B) EulaForm_Property = Yes (This will default the License Agreement to "I Agree")

🚉 Guardian.msi () - Orca			- 🗆		
File Edit Tables Transfo	rm T	ools View Help			
D 🚅 🖬 🐰 🛍 🛍 🕺	N 9	* 🖷 🖻 🛒 🏪			
Tables	^	Property	Value		
MoveFile		ARPPRODUCTICON	_853F67D554F05449430E7E.exe		
MsiAssembly		SecureCustomProperties	PREVIOUSVERSIONSINSTALLED; NEWERPRODUCTFOUND		
MsiAssemblyName		VSDNETURLMSG	This setup requires the .NET Framework version [1]. Please install the .NET Framework and run this setup again. The .NET Framework and run this setup again.		
MsiDigitalCertificate		VSDIISMSG	This setup requires Internet Information Server 5.1 or higher and Windows XP or higher. This setup cannot be installed on Windows		
MsiDigitalSignature		VSDUIANDADVERTISED	This advertised application will not be installed because it might be unsafe. Contact your administrator to change the installation		
MsiFileHash		VSDNETMSG	This setup requires the .NET Framework version [1]. Please install the .NET Framework and run this setup again.		
MsiPatchHeaders	MsiPatchHeaders VSDINVALIDURLMSG The specified path '[2]' is unavailable. The Internet Information Server might not be running or the path exists and is				
ODBCAttribute		VSDVERSIONMSG	Unable to install because a newer version of this product is already installed.		
ODBCDataSource		MaintenanceForm_Action	Repair		
ODBCDriver		CHECKBOXA4	1		
ODBCSourceAttribute		CHECKBOXA3	1		
ODBCTranslator		CHECKBOXA2	1		
Patch		CHECKBOXA1	1		
PatchPackage		USEROPTION	2		
Progld		EDITB4			
Property		EDITB3	1		
PublishComponent	-	EDITB2	1		
RadioButton		EDITB1	1		
RegLocator		EulaForm_Property	Ves		
Registry		DefaultUlFont	VsdDefaultUIFont.524F4245_5254_5341_4C45_534153783400		

4. On "CustomAction", change "COMPANYID" to the one provided for your organization. This will automatically deploy the company key file on the correct folder during installation.

🚵 Guardian.msi () - Orca					-	×
File Edit Tables Transform	Т	ools View Help				
□ ⊭ ∎ ⊁∎∎∦	đ	· · · · · · · · · · · · · · · · · · ·				
Tables	^	Action	Т	Source	Target	
ComboBox		DIRCA_TARGETDIR	307	TARGETDIR	[ProgramFiles64Folder][Manufacturer]\[Pr	
CompLocator		DIRCA_PROGRAMDATA	307	PROGRAMDATA	[CommonAppDataFolder]	
Complus		DIRCA_APPDATA	307	APPDATA	[AppDataFolder]	
Component		_72B1C50C_B4D6_47BF_AE66_FA93CD166410.uninstall	3073	InstallUtil	ManagedInstall	
Condition		_72B1C50C_B4D6_47BF_AE66_FA93CD166410.uninstall.SetProperty	51	_72B1C50C_B4D6_47BF_AE66	/installtype=notransaction /action=uninst	
Control		_653DB908_D7E2_459A_9CD0_5074C67BD291.install	3073	InstallUtil	ManagedInstall	
ControlCondition		_653DB908_D7E2_459A_9CD0_5074C67BD291.install.SetProperty	51	_653DB908_D7E2_459A_9CD0	/installtype=notransaction /action=install	
ControlEvent		DIRCA_CheckFX	1	MSVBDPCADLL	CheckFX	
CreateFolder		VSDCA_VsdLaunchConditions	1	MSVBDPCADLL	VsdLaunchConditions	
CustomAction		ERRCA_CANCELNEWERVERSION	19		[VSDVERSIONMSG]	
Dialog		ERRCA_UIANDADVERTISED	19		[VSDUIANDADVERTISED]	
Directory		CustomCheckA_SetProperty_CHECKBOX3	307	R2019	1	
DrLocator		CustomCheckA_SetProperty_CHECKBOX2	307	R2018	1	
DuplicateFile		CustomCheckA_SetProperty_CHECKBOX1	307	R2017	1	
Environment		CustomCheckA_SetProperty_CHECKBOX4	307	CHECKBOXA4		
Error		CustomTextB_SetProperty_EDIT3	307	EDITB3		
EventMapping		CustomTextB_SetProperty_EDIT2	307	EDITB2		
Extension		CustomTextB_SetProperty_EDIT1	307	COMPANYID	CHEF 40 YO PULATACES	
Feature		CustomTextB_SetProperty_EDIT4	307	EDITB4		
FeatureComponents						

iconicBIM



5. Click on "Transform" then "Generate Transform" and save it on the same folder as the ".msi" that will be deployed.

Cuardian.msi ()	- Orca					
File Edit Tables	Transform	Tools View Help				
D 🗃 🖬 🐰 🛙	New	Fransform				
Tables ComboBox	Apply View I	Transform Patch				
CompLocator	Gener	Generate Transform				
Complus	Close	Transform				
Component	Transf	Transform Properties 'BF_AE66_FA93CD1664				
Condition			Ub_4/BF_AE66_FA93CD166410.uninstall.Set			
Control		_653DB908_D7E2_459A_9CD0_5074C67BD291.install				

Perform Test Deployment

The tools for deploying Revit Addins are quite diverse. Here is a sample command line that can be used in a deployment tool of choice, such as PDQ:

Sample command line:

msiexec /i "<path>\<filename>.msi" ALLUSERS=1 /qn TRANSFORMS="<path>\filename.mst"

Verify the Installation

Open any version of Revit and navigate to Add-Ins > Settings > Licenicing. You should see your company name on the License Information dialog as shown below.

Add-Ins								
<i>€</i>			9					
Cloud:	Settings	Update Ove	rride Batch					
	· ·	Preview Sett	ings Generate					
Guar	Bow	rkset Manager	v Image Gener					
	400.00	ikset manager		R	License Information			×
		oping Rules						
	20				Demonstration			
	Abc	out			Personal mormation			
	à				Name:		IR.	
	Lice	ensing	_		License Information -			
					Company:			
					User role:	Individual user		
					Expiration:	12/15/2022		
					Admin Login			
				Co	ntact Support			Close

If you need assistance, please reach out to our team at support@iconicbim.com.

