



# Preparing Guardian for deployment

## Overview

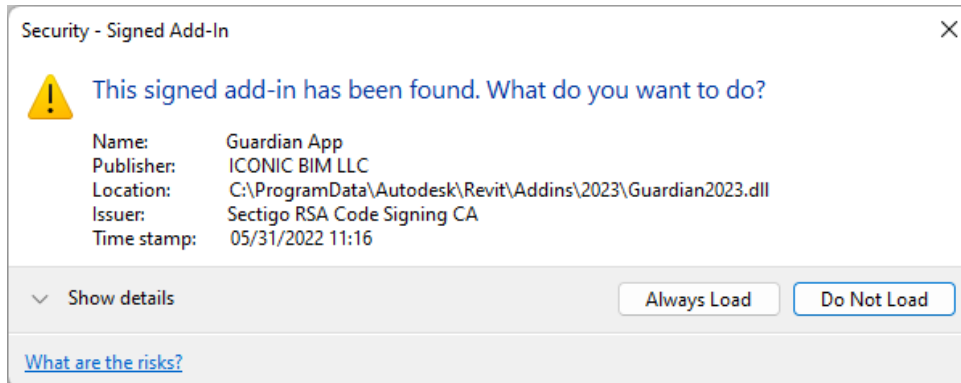
To deploy, use the same ".msi" file that is used for manual installs. The installer is the same for all user types.

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

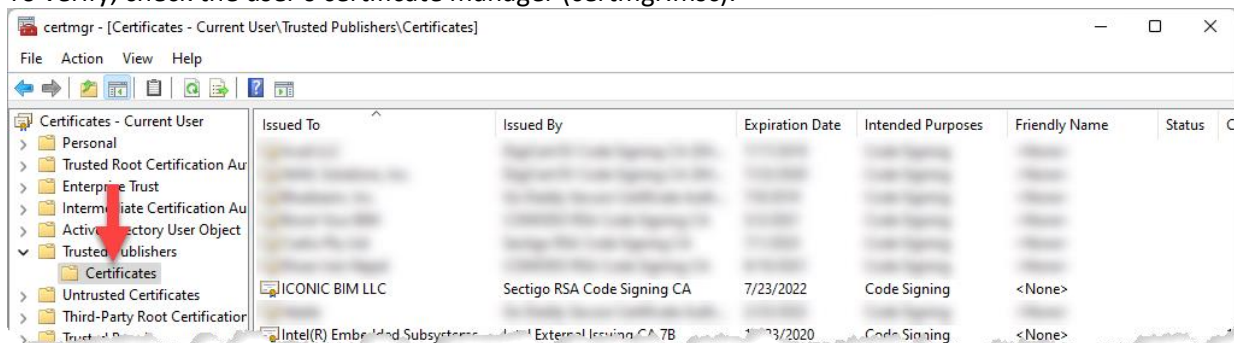
To prevent Revit's "Allow Add-In" prompt (image below) from appearing to users when they open Revit, the security certificate must be installed to the client computer's certificate manager via Group Policy. The certificate file is included in the download .zip file.



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):



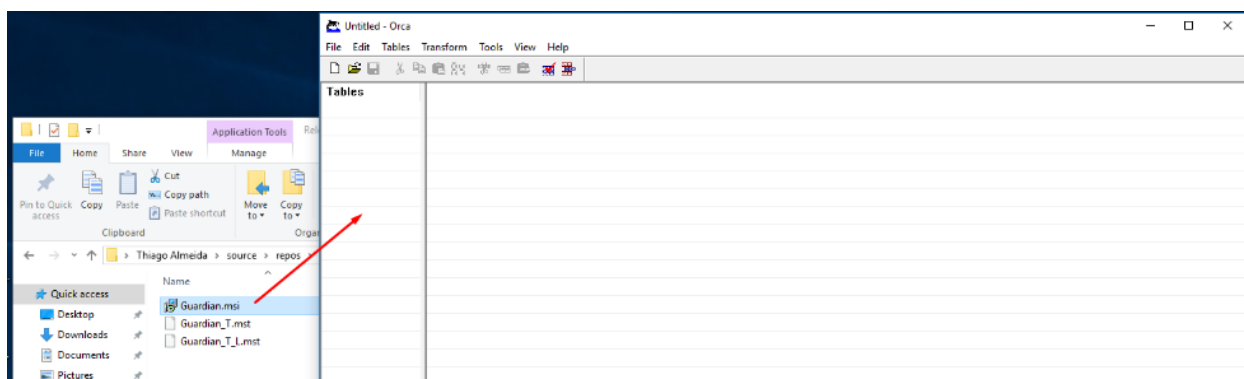


## Prepare a deployment transform file (.mst)

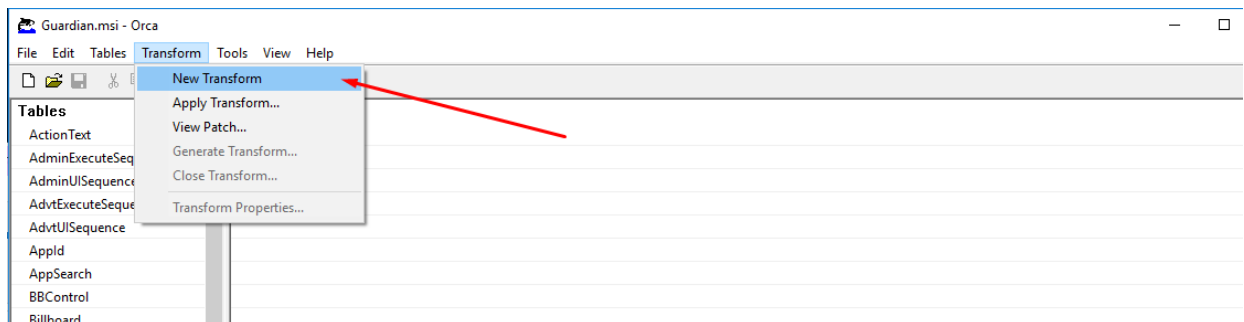
We can use a free Microsoft tool called "Orca", available from the Microsoft SDK, which provides a graphical user interface for generating Microsoft transform files ".mst". The .mst file will tell the deployment how to install the .msi.

[Windows SDK Components for Windows Installer Developers - Win32 apps | Microsoft Docs](#)

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



2. On the main menu click "New Transform"





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")

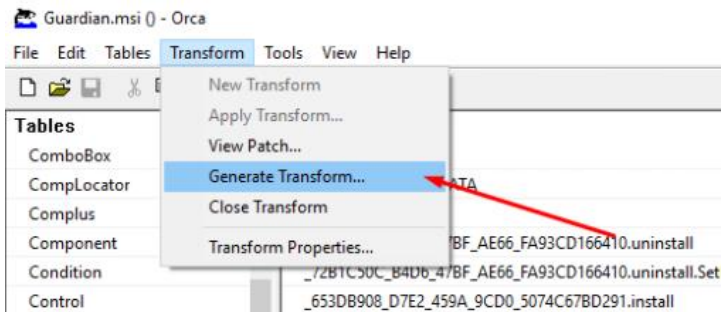
Tables	Property	Value
MoveFile	ARPPRODUCTICON	_853F67D554F05449430E7E.exe
MsiAssembly	SecureCustomProperties	PREVIOUSVERSIONSINSTALLED;NEWERPRODUCTFOUND
MsiAssemblyName	VSDNETURLMSG	This setup requires the .NET Framework version [1]. Please install the .NET Framework and run this setup again. The .NET Framework version [1] is unavailable. The Internet Information Server might not be running or the path exists and is redirected to a different path.
MsiDigitalCertificate	VSDIISMSG	This setup requires Internet Information Server 5.1 or higher and Windows XP or higher. This setup cannot be installed on Windows XP or earlier.
MsiDigitalSignature	VSDUIANDADVERTISED	This advertised application will not be installed because it might be unsafe. Contact your administrator to change the installation policy.
MsiFileHash	VSDNETMSG	This setup requires the .NET Framework version [1]. Please install the .NET Framework and run this setup again.
MsiPatchHeaders	VSDINVALIDURLMSG	The specified path '[2]' is unavailable. The Internet Information Server might not be running or the path exists and is redirected to a different path.
ODBCAttribute	VSDVERSIONMSG	Unable to install because a newer version of this product is already installed.
ODBCDataSource	MaintenanceForm_Action	Repair
ODBCDriver	CHECKBOX4	1
ODBCSourceAttribute	CHECKBOX3	1
ODBCTranslator	CHECKBOX2	1
Patch	CHECKBOX1	1
PatchPackage	USEROPTION	2
Property	EDIT4	1
Property	EDIT3	1
Property	EDIT2	1
Property	EDIT1	1
PublishComponent	EulaForm_Property	Yes
RadioButton	DefaultUIFont	VsdDefaultUIFont.524F4245_5254_5341_4C45_534153783400
RegLocator		
Registry		

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.

Tables	Action	T	Source	Target
ComboBox	DIRCA_TARGETDIR	307	TARGETDIR	[ProgramFiles64Folder][Manufacturer][ProductName]
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=uninstall
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	MSVBDCADLL	CheckFX
CreateFolder	VSDCA_VsdLaunchConditions	1	MSVBDCADLL	VsdLaunchConditions
CustomAction	ERRCA_CANCELNEWVERSION	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	CHECKBOX4	
Error	CustomTextB_SetProperty_EDIT3	307	EDIT3	
EventMapping	CustomTextB_SetProperty_EDIT2	307	EDIT2	
Extension	CustomTextB_SetProperty_EDIT1	307	COMPANYID	
Feature	CustomTextB_SetProperty_EDIT4	307	EDIT4	
FeatureComponents				



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



## Perform Test Deployment

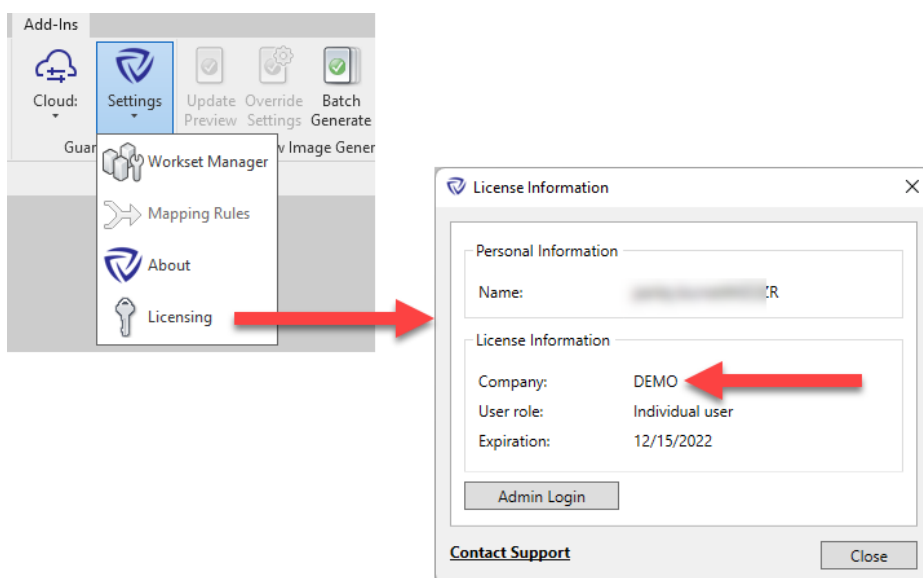
The tools for deploying Revit Addins are quite diverse. Here is a sample command line that can be used in a deployment tool of choice, such as PDQ:

### 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 > Licencing. You should see your company name on the License Information dialog as shown below.



If you need assistance, please reach out to our team at [support@iconicbim.com](mailto:support@iconicbim.com).