VISUAL INSTALLER

Contents

Introduction

Thank you for using xeam Visual Installer.

Xeam Visual Installer is available in four different editions: Bronze, Silver, Platinum and Source Code, starting at Bronze edition with basic functionality up to Platinum edtion with no limitations in features, extensions and themes.

If you are using the Bronze edition, you are able to upgrade to all other editions at any time by obtaining a license key and pasting it into the configuration.xml file.

Developer system requirements

- Visual Studio 2010 or above
- WiX Toolset 3.7 and above

If you want to use Visual Studio 2013, WiX 3.8 is required.

Get Started

Visual Studio 2012, Wix Toolset 3.X.

Install the xeam Visual Installer. The Visual Installer needs at least .Net 4 Client Profile to run.

Create a new project from template

Open Visual Studio, go to File -> New Project. Under Windows Installer XML node select Visual Installer project. Provide a name for your project e.g. “MyInstaller” and click OK. A new project based on a WiX Toolset bundle project will be created.

Add UI Project (optional and available only in Silver and Platinum editions)

During project creation you are able to add a UI project. The UI project allows you to see and customize every page in the installer and even add new pages. Select this option if you want to customize the UI.

Change bundle name, Manufacturer and Version

Open the file “Bundle.wxs”. In bundle tag change the attributes “Name”, “Version” and “Manufacturer” to your needs

Add packages to the chain node

Add packages to the chain node, like you normally do to configure burn bootstrapper in WiX Toolset.

Build

Build the project and you will have a complete working bootstrapper.

Bundle.wxs file

In the “Bundle.wxs” file are some addition entries for configuring xeam Visual Installer.

BootstrapperApplicationRef

```
<BootstrapperApplicationRef Id="ManagedBootstrapperApplicationHost">

  <PayloadGroupRef Id="VisualInstallerRuntimeFiles" />

</BootstrapperApplicationRef>
```

Please do not changed this tag. It is used to initialize the bootstrapper.

Configuration

If you create a new project, all available features for the Platinum edition are active by default. This also means, that all wizard pages are shown and you may not require all of them.

The configuration file "VisualInstallerConfig.xml" is located in the "VisualInstaller" folder, if you have created a simple xeam Visual Installer project without adding the UI project or, if you have added also the UI project, the file is located directly in the root folder of your UI project.

Edit this file to fit your needs. An xsd schema is provided for "VisualInstallerConfig.xml" file, so it is very easy to adjust.

License

The license node is used for determining the edition of your Visual Intaller project. By default, the Visual Installer provides a Platinum Trial license key. This trial license key can be used for 30 days.

When creating a new project, your current license key, will be inserted into the license node in the configuration file.

You can see information about your currently used license, if you click on the menu point "Visual Installer" under "Tools" in Visual Studio. There you can also change the current license. If you change your license, the projects created after this, will contain the new license key in the license node in configuration file.

Note: the projects created before the license was changed, have to be manually updated by you: paste your new license key in the license node of the configuration file, if you want to update older projects.

If you leave the license node empty, you will get a Platinum Trial with all available features. In the trial version a trial dialog screen is shown when you run your bootstrapper. Except this restriction you are able to use all available features.

If you activate a feature that is not available for your edition, a trial dialog will be shown when an unsupported feature is loaded, but you will be able to continue and tryout the feature.

Note: Bronze edition is fully free of charge.

UI

Under UI node you are able to configure general UI behavior and also the behavior of every single page.

Culture & DefaultSystemCulture

In Culture node you can select a default culture to use for the UI and for the license terms defined in the “license.rtf” file.

If you leave this node blank, the culture specified in the node DefaultSystemCulture will be used for the UI; for the license terms the default “license.rtf” file will be used.

Possible values of the DefaultSystemCulture node are:

InstalledUICulture - Operating system culture (same as CultureInfo.InstalledUICulture in .Net)
CurrentCulture - The culture on the system used for formatting numbers and dates (same as CultureInfo.CurrentCulture in .Net)
CurrentUICulture - The culture on the system used for localizing application (same as CultureInfo.CurrentUICulture in .Net)

If you don't specify this node, the **InstalledUICulture** is used by default.

If you provide a culture for example "en-US", you have to make sure the localization files "en-US.wxl", "systemvalidation_en-US.wxl" and the "license_en-US.rtf" are present.

For more detailed information see -> Localization.

Theme

Basic Theme configuration

ThemeColor	Basic Theme Color, you can overwrite Allowed values: Xeam, XeamDark, Blue, BlueDark, Red, RedDark, Green, GreenDark, Orange, OrangeDark, Purple, PurpleDark, None
ThemeBaseColor	Main background colors. Allowed values: BaseLight BaseLightSmooth BaseDark BaseDarkSmooth

AccentColor	Overwrites the accent color. You can specify a color in web notation e.g. #1122DD
AccentContrastColor	Overwrites the accent contrast color. Basically used as font color on buttons having accent color assigned. This value is ignored if no AccentColor is set.

Pages

In the pages sub node of UI you can configure the different pages shown in the installation process.

Install Welcome

This is the welcome page, which is shown when the installation starts.

InstallDirVariable	Variable in bundle.wxs where installdir is stored and default value is read from.
ShowInstallDirSelection	True: selection of installdir is shown False: selection of installdir is not shown
ShowLicenseInfo	True: license.rtf (or the localized license.rtf e.g.: license_en-US.rtf) is displayed as EULA and the user has to accept EULA to go to the next page False: now EULA is shown and next button is always active

Layout Welcome

Layout welcome page, which is shown if the user starts the installation with -layout command.

Layout mode can be used to create a network image of the setup from disk as well as from a web setup. If used on a web setup all content is downloaded to the image folder. The created layout image can be used as offline installer.

ShowLicenseInfo	True: license.rtf (or the localized license.rtf e.g.: license_en-US.rtf) is displayed as EULA and the user has to accept EULA to go to the next page False: now EULA is shown and next button is always active

Update Available

This page is only shown if a newer version of the product is found. The user can select to download and install the new version or install the product as is. If no internet connection is available the page is not shown.

If the user selects to install the new version, the setup of the new version is automatically downloaded, started and the old version of the setup is closed.

To configure self-update of the installer you have to upload an xml file with the following format on a web server:

```xml
<?xml version="1.0" encoding="utf-8"?>
<VisualInstallerUpdateInfo
       xmlns="http://www.laika42.com/schemas/visualinstaller/updateinfo/1.0"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Version>1.7</Version>
  <Name>Visual Installer </Name>
  <Description>some description about the package</Description>
  <UpdateInfo>Put some information about the update here. </UpdateInfo>
  <DownloadUrl>http://test.laika42.com/update/testsetup.exe</DownloadUrl>
  <DownloadSize>2587816</DownloadSize>
</VisualInstallerUpdateInfo>
```

- Version: The new version of the product
- Name: Name of the product which is downloaded and displayed on update available page
- Description: Description of the update shown to the user on update available page
- DownloadUrl: Url where the new version can be downloaded
- DownloadSize: Size of the initial file to be downloaded. External payload like redistributables must not be included. DownloadSize is used to indicate progress to the user.

In bundle.wxs add an update location node which points to you updateinfo.xml file on your server. The node should look like:

```xml
<Update Location="http://test.laika42.com/UpdateInfo.xml"/>
```

Remarks: We highly recommend to test this feature before delivering the first version of the product, because you will not be able to change the location if the product was shipped to customers.

Note: this page not available in Bronze edition

SQL Server Connection

The SQL Server Connection page allows you to ask the user for credentials and optional a database for obtaining a SQL Server connection string, which you can pass to your chained MSI's or setups. The user can only go on with the setup if he selects a valid connection and a connection tests was successful.

The behavior of the connection page is very similar to the connection dialog within visual studio. In domain environments all running SQL Server instances are determined automatically and the user can select one in a combo box or enter a server name or IP manually.

ConnectionStringVariable	Variable in bundle.wxs where SQL Server connection string is stored. You can provide a default value which will be used to initialize the SQL Server connection dialog page. The variable is only updated, if the user enters valid connection credentials and options
ServerNameVariable	Variable in bundle.wxs where server name is stored. You can provide a default value which will be used to initialize the SQL Server connection dialog page. The variable is only updated, if the user enters valid connection credentials and options
InstanceNameVariable	Variable in bundle.wxs where instance name is stored. You can provide a default value which will be used to initialize the SQL Server connection dialog page. The variable is only updated, if the user enters valid connection credentials and options
IntegratedSecurityVariable	Variable in bundle.wxs where integrated security is stored. You can provide a default value which will be used to initialize the SQL Server connection dialog page. The variable is only updated, if the user enters valid connection credentials and options
UserNameVariable	Variable in bundle.wxs where user name is stored. You can provide a default value which will be used to initialize the SQL Server connection dialog page. The variable is only updated, if the user enters valid connection credentials and options
PasswordVariable	Variable in bundle.wxs where password is stored. You can provide a default value which will be used to initialize the SQL Server connection dialog page. The variable is only updated, if the user enters valid connection credentials and options

DatabaseNameVariable	Variable in bundle.wxs where database name is stored. You can provide a default value which will be used to initialize the SQL Server connection dialog page. The variable is only updated, if the user enters valid connection credentials and options
QueryDatabase	True: The user has to select a database False: The user only has to enter a valid server and credentials. Selection of a database is not shown
CreateDatabase	True: The user is allowed to create a new database from within the bootstrapper False: The user is only able to select existing databases
UseOleDb	True: The connection string will be generated in the OleDb format False: The connection string will be generated in the SQL format
OleDbProvider	Provider to use for generating a OleDb connection string; if the “UseOleDb” is set to False, this parameter is ignored

Note: this page is not available in Bronze edition

License Validation

On license validation page you are able to query a license key including validation. The license validation page is designed for different types of key validation. One option is to use a single input field for serial numbers. The other option is a large text field providing the ability to paste a large license file content. Optional a machine key can be displayed.

For validating the given license key and providing a machine key you can use your custom license validation functions in a separate assembly. For more information please refer to chapter “Custom license validation” under “Extending Visual Installer”.

Next button in setup is disabled until the user entered a valid license key.

LicenseStringVariable	Variable in bundle.wxs where license string is stored. You can use this variable to pass the validated license string to your MSI or other chained setups.
InputMaskSelectionLength	Integer defining the length of one block of the license key. Leave this field empty if you want to use a large input text field without a mask
InputMaskSectionNo	Number of blocks devided by ‘-‘. Leave this field empty if you want to use a large input text field.
UpperCase	True: All entered characters will be converted to uppder case characters False: Disable upper case conversion
ShowMachineKey	True: machine key will be displayed above the license key input field. False: hide machine key control
LicenseAssembly	Name of the assembly where your custom class implementing ILicenseValidationItem interface is implemented
LicenseClassWithNameSpace	Name of class, including namespace, which implements ILicenseValidationItem

Note: this page is not available in Bronze edition

System validation

System validation page provides warning and block messages. For example, if your product requires Microsoft Word installed, because you are installing a Word Addin, you can activate a rule to check if a supported version of Microsoft Word is installed.

System validation page also supports end user help actions. For example if your product requires specific IIS features, installed IIS features are validated. If a required feature is not active, a help action button is shown. In this case “Activate required IIS features”. The user only has to click on the help action button and the required features in IIS will be activated automatically.

You also can add custom system validation items. The system validation can be extended using MEF. (See chapter: Extending Visual Installer).

The following system validation items are built in:

Pending System Reboot	Detects, if a system reboot is pending. If a reboot is pending “Restart System” button is shown as help action
Another Installation Running	Detects, if another installation is already running on the system.
Operating System	Define supported operating systems, including required service packs or 32 and 64 bit support. Differentiate between server and workstation. If a service pack is missing the user is lead to Windows Update as help action
Word Version	Define supported Microsoft Word versions
Excel Version	Define supported Microsoft Excel versions
PowerPoint Version	Define supported Microsoft PowerPoint versions
Outlook Version	Define supported Microsoft Outlook versions
Visio Version	Define supported Microsoft Visio versions
Visual Studio Version	Define supported Microsoft Visual Studio versions
WiX Toolset Version	Define supported WiX Toolset versions
IIS Version and Roles	Define required IIS version and roles. Every available IIS version rule can be defined. As help action the required IIS version and roles are activated

Note: this page is not available in Bronze edition

Path Selection Page

Extended path selection is possible on path selection page. The page can be configured to ask the user for up to 5 paths.

Every path is validated including disk space calculation. For more information in setting up folder validation see chapter Folder Validation.

InstallDirVariable	Name of variable for InstallDir defined in bundle.wxs
DataDirVariable	Name of variable for DataDir defined in bundle.wxs
BackupDirVariable	Name of variable for BackupDir defined in bundle.wxs
LogDirVariable	Name of variable for LogDir defined in bundle.wxs
TempDirVariable	Name of variable for TempDir defined in bundle.wxs
ShowInstallDirSelection	True: Shows InstallDir selection on page
ShowDataDirSelection	True: Shows DataDir selection on page
ShowBackupDirSelection	True: Shows BackupDir selection on page
ShowLogDirSelection	True: Shows LogDir selection on page
ShowTempDirSelection	True: Shows TempDir selection on page

Note: this page is not available in Bronze edition

Newer Version Installed

This page is shown if a newer version of the product is already installed. It displays the installed version of the product. There are no additional options to configure.

Help

Help page is shown if the installer is launch using –help command line parameter or an invalid command line is passed to the installer. Help page displays all command line parameters which can be passed to the installer. If you have additional properties that can be passed to the installer you can extend the text displayed on this page by editing the localization files.

Sequences

In sequence section you are able to arrange the sequence of pages shown during the installation. If you do not want to use a specific page, just delete its entry or comment it out. There is no dependency between the pages. Every page works isolated and is independent of any other page. You also can changed the order of the pages to fit your needs.

There are 2 page sequences defined at the moment:

- InstallUiSequence: Defines sequence if product is not installed
- LayoutUiSequence: Defines sequence for layout mode.

- MaintenanceUiSequence: Defines sequence if product is installed and user wants to modify, repair or uninstall the product.
- NewerVersionInstalledUiSequence: Defines the page sequence which is shown if a newer version of the product is already installed
- HelpUiSequence: Defines sequence which is shown if user passes /help on command line or if wrong command line switches are detected

Restrictions and minimum page sequence

The only restriction to pages is that you have to use a minimum page sequence and custom pages need to be place in between a specific section.

InstallUiSequence

<UpdateAvailable> (optional)

<InstallWelcome>

…. Optional pages ….

<Progress>

<Finish>

<FinishError>

LayoutUiSequence

<LayoutWelcome>

… Optional pages …

<Progress>

<Finish>

<FinishError>

MaintenanceUiSequence

<MaintenanceWelcome>

…. Optional pages ….

<Progress>

<Finish>

<FinishError>

NewerVersionInstalledUiSequence

<NewerVersionInstalled>

… Optional pages …

HelpUiSequence

<Help>

… Optional pages …

Splash Screen

You can change the splash screen of the bootstrapper by replacing splash.bmp in Payload\Resources folder. Be aware that the format must be “BMP”.

Setup icon

You can change icon of the setup by replacing the file icon.ico in sub folder Payload\Resources.

Folder Validation and Disk Space Calculation

Folder Validation options

To configure folder validation add <FolderValidation> tag in the configuration file. The following folders can be validated:

- InstallDir
- DataDir
- BackupDir
- LogDir
- TempDir

Every folder has validation options

Disabled	Enable or disable folder validation. Default is disabled
Networkallowed	Allows the folder to point on a network drive. Default is false
Readonlyallowed	Allows the folder to point to a read only driver. Default is false
Removableallowed	Allows the folder to point to a removable driver. Default is false

Disk Space Calculation

Visual Installer comes with a WiX compiler extension, which enables addition disk space calculation to be configured for MsiPackage, ExePackage, MspPackage and MsuPackage.

MSI Packages will be analyzed during compile time of your WiX bundle to extract meta data for disk space calculation. The information of required disk space is analyzed for InstallDir, System drive and additional selectable folders separately.

In addition to automatic disk space calculation you can set free disk space required for every folder by defining the required install size in byte. In case your application requires a minimum free disk space or a data folder you can set e.g. 200 MB for DATADIR.

Localization

Modes

xeam Visual Installer is fully localizable. As mentioned in the configuration section localization has 2 different mode.

- Fixed culture. UI will always be displayed in the defined culture. Make sure that a language file and the license terms (e.g. license_en-US.rtf) are provided for the selected culture.
- Usage of system culture including fallback to en-US if system culture is not available. For the license terms, the default file license.rtf is used, if not other one is provided.

Changing displayed text

In subfolder Payload\Localization all language files are provided in wxl format (WiX Localization).

You are free to change the text in any language file to fit your needs. Please take care that the provided text fits on the screens and buttons. Also note, that if you adjust existing language files you have to merge them, if we extend or change the language files during an update.

Adding a new language

The language files follow .Net Framework culture values as naming conventions. To get them work in system culture mode, please make sure that you name the file exactly like the .Net culture name.

Follow the next steps to add a new language file:

1. Add a new wxl file to the localization folder with the name of your culture. Right click on Localization Folder -> New Item.. and select "Localization File". Give it the name of your new culture e.g. "en-UK".
2. Define all the strings you require using IDs in en-US.wxl file
3. Translate the strings. Add your custom localization file to VisualInstallerPayload.wxs. e.g. add `<Payload SourceFile='$(var.VisualInstallerFolderPath)\Localization\en-UK.wxl' />`

It is not required to define all strings in your custom wxl file. If a string is not available in your custom wxl file the English text is shown as fallback.

Note: Don't forget to set the "Copy to Output Directory" property of the newly added localization file to "Copy always", otherwise you will get compile errors, because the bundle cannot find the localization file.

Localize EULA

By default, the license.rtf file from the Resources folder in your bundle project is used to show the license and terms on the Welcome page.

If you specify a culture in the configuration file, e.g. <culture>en-US</culture>, then you have also to provide a license_en-US.rtf and add it to the VisualInstallerPayload.wxs, otherwise at runtime, you will get a message telling you that the localized license file is missing.

The localized license files must be named like follow: license_<CULTURE>.rtf, where the variable <CULTURE> has to be exactly like the culture name in the .Net (e.g. license_es-ES.rft, license_de-CH.rtf).

Follow the next steps to add a new localized license file:

1. Add a new file named license_<CULTURE>.rtf to the Resources folder in your bundle project
2. Translate your license and terms in the desired culture and save the file
3. Add the license file to the VisualInstallerPayload.wxs.
   e.g. add `<Payload SourceFile='Resources\license_en-US.rtf' />`

4. Rebuild the project.

Submitting a new language file to us

Be the first to submit a new language for xeam Visual Installer to us!

You are welcome to contribute on localization of xeam Visual Installer. As benefit you will get a free license of the highest edition including all updates during your contribution. Feel free to contact us if you want to contribute: support@xeam-solutions.com

Command Line Options

UI Parameters

-q, -quiet, -s, -silent = silent install
-passive = progress bar only install

Install commands

-uninstall = uninstall
-repair = repair (or install if not installed)
-package,-update = install (default)
-layout = create a local/admin image

Restart handling

-norestart = suppress any restarts
-promptrestart = prompt if a restart is required (default)

Logging

-l, -log = log to a specific file (default TempFolder)
-logtoconsole = logs everything to console, if started from console

Help

-? = show this information screen

Additional Parameters:

INSTALLDIR - Installation folder where application will be installed
SQLCONNECTIONSTRING - SQL Connectionstring if required by application
LICENSESTRING - License string if required by application

usage: PARAMETER=value

All public bundle parameters can be passed to the installer as additional parameters.

Extending Visual Installer

Adding a custom page

Adding a new custom page to the installer is quite easy:

- Right click UI project -> Add new item…
- Under Visual C# select “Visual Installer Page”
- Select a name for your page (xaml File) and hit “Add”
- 2 new files are created. “YourPage.xaml” including the corresponding .cs and a corresponding view model in “YourPageViewModel.cs”
- Add the page to a sequence in VisualInstallerConfig.xaml by adding a xml tag <YourPage />
- Build your project, start the installer and test if your page appears at the defined place in the sequence.

After adding the new page you can modify layout and add custom code.

Extend/Derive from an existing page

In the sub folder “IntegratedPages” all default page layouts are placed. You can modify layout and design to fit your needs. You also can implement your custom code directly in the .cs file. For a proper MVVM design we suggest you to derive from your own ViewModel from the ViewModel and set the new ViewModel to be used by the existing page.

Modifying Main Window / Apply custom theme

You can modify the size and design of the main window. You are allowed to change nearly everything but you should not remove or modify the PageTransitionControl. This control is used to slide the pages.

If you want to add your custom resource dictionaries to apply your custom theme you can add resource dictionaries to the main window or to the pages itself. Please note that you must set the theme to none in VisualInstallerConfiugation.xml file.

Custom License Validation

It is quite easy to extend license validation page with your own license validator.

Just implement the ILicenseValidator interface in your custom assembly. To use ILicenseValidator add a reference to Xeam.VisualInstaller.dll

After implementing your custom assembly you have to add it at LicenseValidation in the configuration.xml file (see above)

Add your custom assembly to VisualInstallerPayload.wxs.

Interface Implementation Sample:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using Xeam.VisualInstaller.Utilities;

namespace Xeam.DummyLicenseValidator
{
    public class LicenseValidator : ILicenseValidator
    {
        public bool IsKeyValid(string key )
        {
            if (key == "11111-11111-11111-11111")
            {
                return true;
            }
            if (key == "222")
                return true;
            return false;
        }
    }
}
```

Configuration for the above sample

```
<LicenseValidation>
  <LicenseStringVariable>LICENSESTRING</LicenseStringVariable>
  <!-- input mask, e.g.: xxxx-xxxx-xxxx-xxxx-xxxx -->
  <InputMaskSectionLength>5</InputMaskSectionLength>
  <InputMaskSectionNo>4</InputMaskSectionNo>
  <UpperCase>true</UpperCase>
  <LicenseAssembly>Xeam.DummyLicenseValidator.dll</LicenseAssembly>
  <LicenseClassWithNamespace>
     Xeam.DummyLicenseValidator.LicenseValidator
  </LicenseClassWithNamespace>
</LicenseValidation>
```

Custom System Validation Item

You can extend the system validation page with your own validation items. MEF is used to load custom validation items from custom assemblies.

You only have to implement the class SystemValidationBase defined in the Xeam.VisualInstaller.SystemValidation.dll, define your class as Export of interface ISystemValidationItem and add your assembly to the VisualInstallerPayload.wxs file.

Example:

Create a C# class library, for example: MyValidation.csproj.

Add a reference to Xeam.VisualInstaller.dll, Xeam.VisualInstaller.SystemValidation.dll and System.ComponentModel.Composition.dll

Add a file "SystemValidationExample.cs", containing:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.ComponentModel.Composition;
using System.ComponentModel.Composition.Hosting;
using Xeam.VisualInstaller.SystemValidation;


namespace MySystemValidation
{
    [Export(typeof(ISystemValidationItem))]
    public class Class1 : SystemValidationBase
    {
        public override string ValidationItemNodeName { get { return "Class1"; } }

        public override bool ShowHelpActionButton { get { return true; } set { } }
        public override bool ShowProgressOnHelpAction { get { return false; } set { } }
        public override bool ShowProgressRingOnHelpAction { get { return true; } set { } }
        public override string HelpActionExecuteText { get { return "Executing help.." +
GetType().ToString(); } set { } }
        public override string HelpActionButtonText { get { return "Help Class1" +
GetType().ToString(); } set { } }


        public override void Execute()
        {
            //  ToDo: implement here your validation as desired.
            for (int i = 0; i < 100; i++)
            {
                // Raise a progress if you wish so
                RaiseProgressChanged(i);
                System.Threading.Thread.Sleep(30);
            }

            // If your validation has succeed, then just raise the ValidationState.Ok, otherwise
check out the other posible values of ValidationState.
            RaiseCompleted(ValidationState.Ok);
        }

        public override void Initialize()
        {
           //  ToDo: initialize here your strings as desired.

            Text = "Class1";
        }

        public override void ExecuteHelpAction()
        {
           //  ToDo: implement here your help action as desired.

            for (int i = 0; i < 100; i++)
            {
                // Raise a progress for the help action
                RaiseHelpActionProgressChanged(i);
                System.Threading.Thread.Sleep(50);
            }

            // If the help action has completed you can raise Success, Failed or Success with
restart of the computer.
            RaiseHelpActionCompleted(HelpActionResult.Success, "Finish help" +
GetType().ToString());
        }
    }
}:
```

Build the project.

Open the configuration file and add under the <SystemValidation> node following line:

```
    <Class1 Deactivated="false" Position="10" />
```

Now add the new assembly to the payload file:

```
<Payload SourceFile='Path_to_your_dll\MySystemValidation.dll' />
```

When you run the bootstrapper, on the system validation page you will see a validation item called "Class1", with the result ok.

WiX Toolset Remarks

Signing your Installer

To digitally sign your bundle/installer using a code signing certificate you have to modify the WiX project file by hand. The following steps are required:

1. Unload you bundle from solution
2. Open project file in editor
3. Add `<SignOutput>true</SignOutput>` to the first property group
4. Add the following sign targets to the project node

```
<Target Name="SignBundleEngine">
   <Exec Command="signtool.exe sign /f <signature>.pfx /p &quot;<password>&quot;
         /t http://timestamp.verisign.com/scripts/timstam.dll /v /d
         &quot;%(SignBundleEngine.Filename)&quot; &quot;@(SignBundleEngine)&quot;" />
</Target>
<Target Name="SignBundle">
   <Exec Command="signtool.exe sign /f <signature>.pfx /p &quot;<password>&quot;
         /t http://timestamp.verisign.com/scripts/timstam.dll /v /d
         &quot;%(SignBundle.Filename)&quot; &quot;@(SignBundle)&quot;" />
</Target>
<Target Name="SignMsi">
    <Exec Command="signtool.exe sign /f <signature>.pfx /p &quot; <password>&quot;
          /t http://timestamp.verisign.com/scripts/timstam.dll /v /d
          &quot;%(SignMsi.Filename)&quot; &quot;@(SignMsi)&quot;" />
</Target>
<Target Name="SignCabs">
    <Exec Command="signtool.exe sign /f <signature>.pfx /p &quot; <password>&quot;
          /t http://timestamp.verisign.com/scripts/timstam.dll /v /d
          &quot;%(SignCabs.Filename)&quot; &quot;@(SignCabs)&quot;" />
</Target>
```

Update / Upgrade handling

For proper update and upgrade handling, versions and upgrade codes must configured in a correct way.

Replace previous versions

If you want updated version to automatically replace/uninstall previous versions of your product you should **never change the upgrade code** of you bundle. Increase at lease the minor version if you release a new version of your product

Install new version with old versions in parallel

If you do not want your previous version of the product to get uninstalled by an updated version you have to **change the bundle upgrade code**. Different versions of your product will behave as different product not knowing each other on an installer perspective. We recommend to increment the major version of the product.

Upgrades

In some scenarios (e.g. you have 2 product which are also included into a product suite) upgrades are required. If you have 3 product A, B and C. And your product C consist of product A and B, but you want to have a single installation for product C, you may want that product C replaces product A and/or B if one of them is already installed. In this case you have to define A and B as related upgrade bundle in product C. Add the following nodes to bundle.wxs of product C.

```
    <RelatedBundle Id="UpgradeCode of Product A" Action="Upgrade"/>
    <RelatedBundle Id="UpgradeCode of Product B" Action="Upgrade"/>
```

Remember that guids (UpgradeCode) are handle case sensitive.

Web Setup Configuration

WiX Toolset burn has an integrated mechanism to download required files/packages only if they need to be installed. This functionality is very useful to reduce the download size of your product, especially if prerequisites are required.
If you use web setups you have to make sure, that the download URLs of every external package and payload is configured properly.

Xeam Visual Installer enhances the build in download mechanism and has an enhanced error handling and retry mechanism. This mechanism also tries different download methods on the end user system in error cases.

Additional Information

Contacts and Feature Requests

If you have issues, feature request or other suggestions feel free to contact us support@xeam-solutions.com or leave a Q&A or comment in Visual Studio Gallery.

Rate Us

If you like our Visual Installer don't forget to rate it! Thank you.

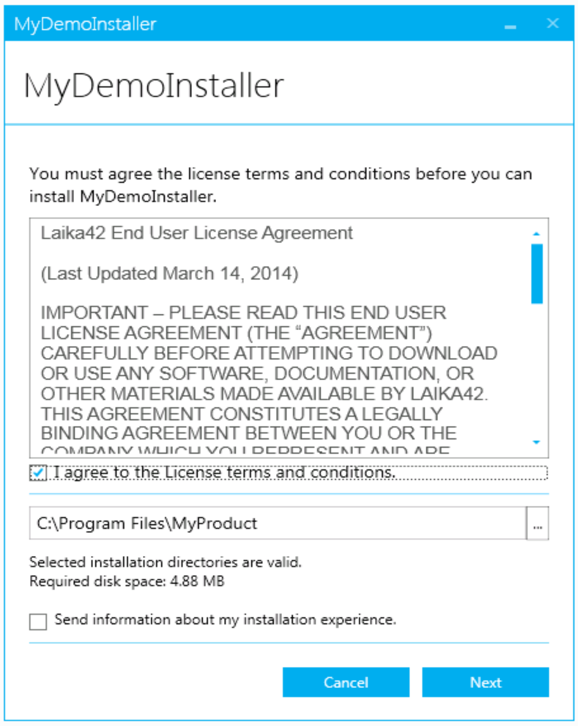
Preview of default themes

Visual Installer comes with 12 accent themes and 4 background themes.

The accent themes are available over the Theme node in the configuration file, respectively the background themes are available over the ThemeBase node in the configuration file.

See below a the preview of the included themes.

Theme: Xeam, ThemeBase: BaseLight


MyDemoInstaller

MyDemoInstaller

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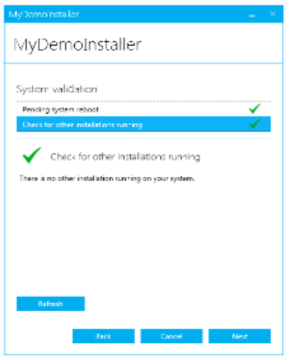
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

☐ Send information about my installation experience.


MyDemoInstaller

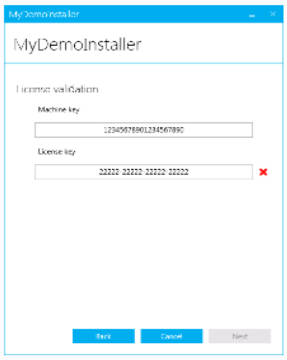
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

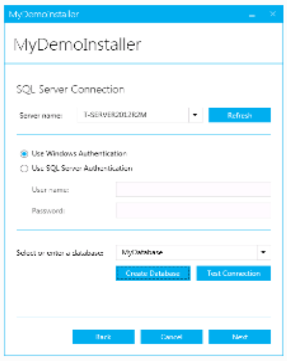

MyDemoInstaller

MyDemoInstaller

License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222 ✗


MyDemoInstaller

MyDemoInstaller

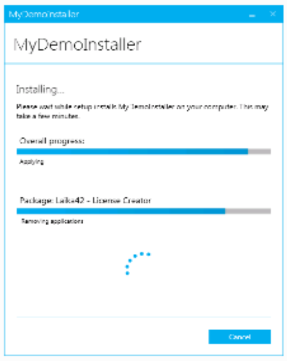
SQL Server Connection

Server name: T-SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

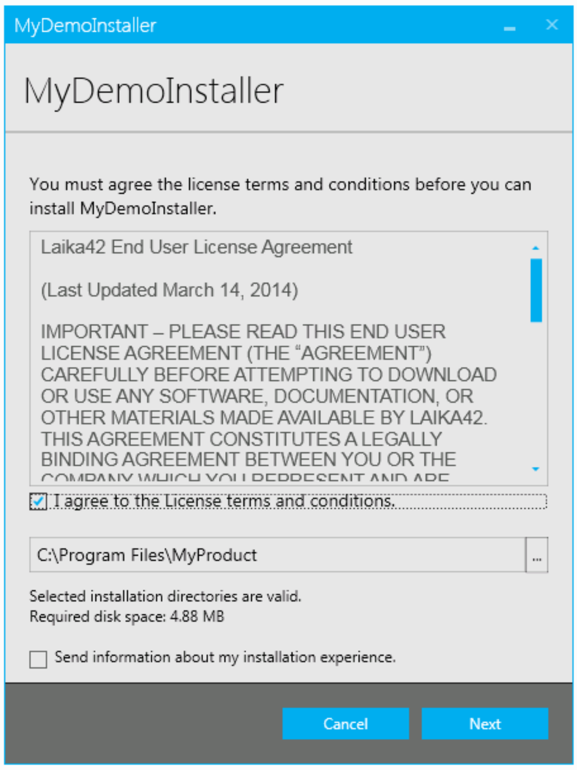
Installing...

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications

Theme: Xeam, ThemeBase: BaseLightSmooth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C:\Program Files\MyProduct

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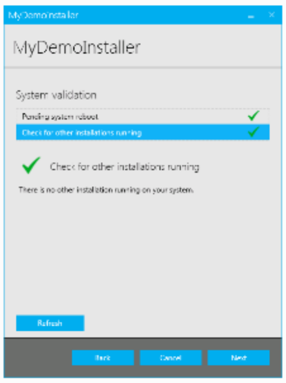
Required disk space: 4.88 MB

☐ Send information about my installation experience.


MyDemoInstaller

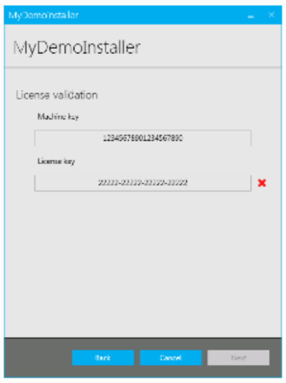
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

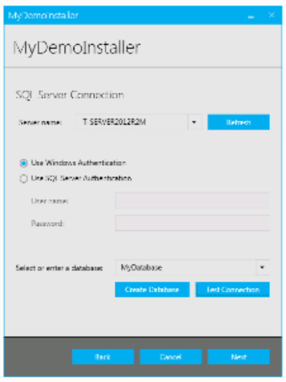

MyDemoInstaller

MyDemoInstaller

License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222 ✗


MyDemoInstaller

MyDemoInstaller

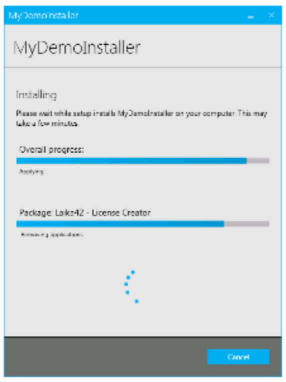
SQL Server Connection

Server name: T-SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

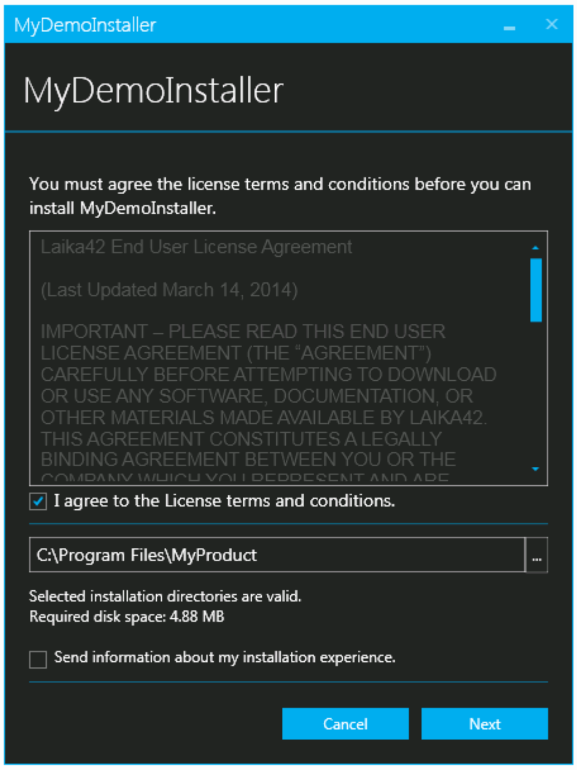
Installing...

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications

Theme: Xeam, ThemeBase: BaseDark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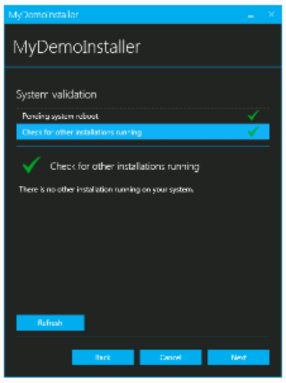

MyDemoInstaller

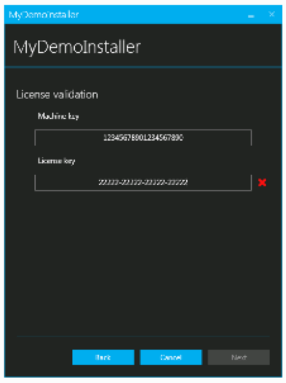
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

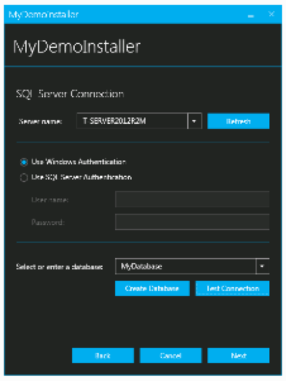

MyDemoInstaller

MyDemoInstaller

License validation

Machine key
12345678901234567890

License key
22222-22222-22222-22222


MyDemoInstaller

MyDemoInstaller

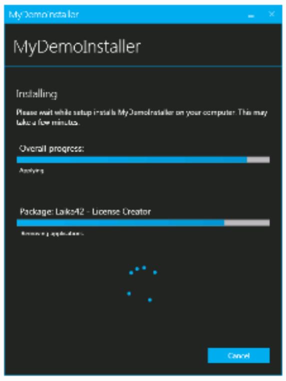
SQL Server Connection

Server name: T SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

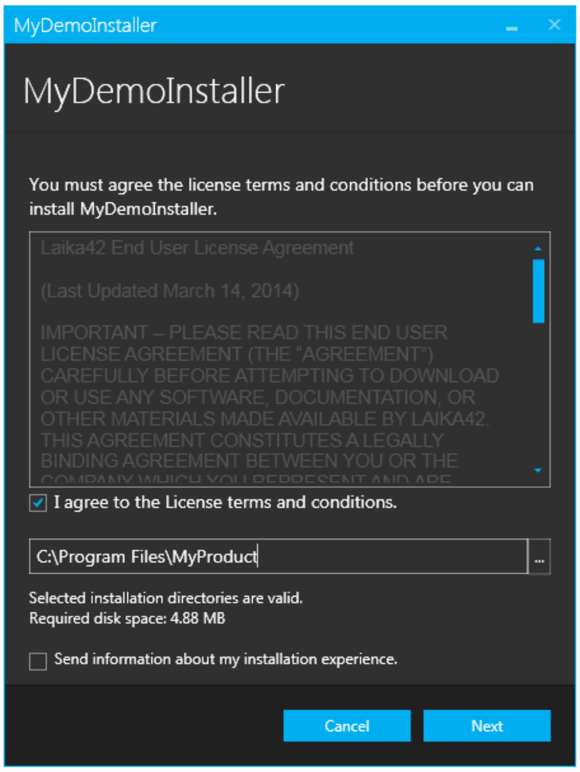
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Xeam, ThemeBase: BaseDarkSmooth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C:\Program Files\MyProduct

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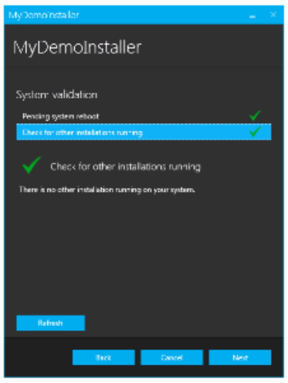
Required disk space: 4.88 MB

[ ] Send information about my installation experience.


MyDemoInstaller

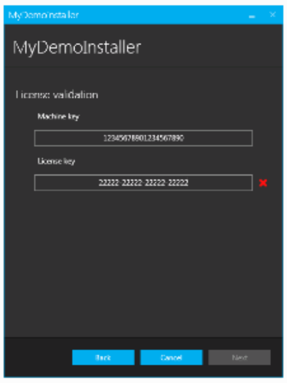
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

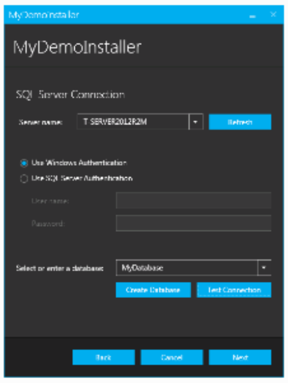

MyDemoInstaller

MyDemoInstaller

License validation

Machine key
12345678901234567890

License key
22222-22222-22222-22222


MyDemoInstaller

MyDemoInstaller

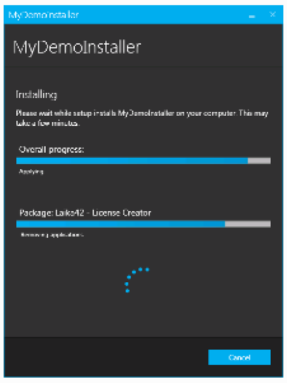
SQL Server Connection

Server name: T SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

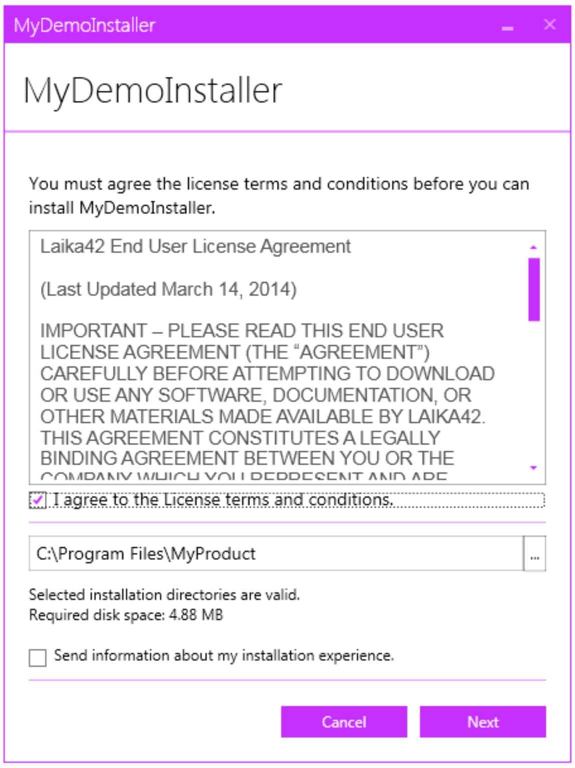
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Purple, ThemeBase: BaseLight



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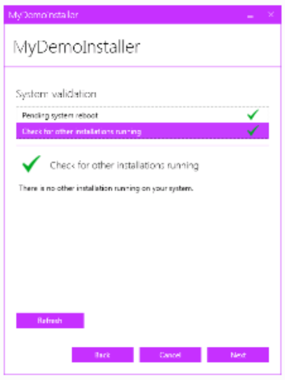
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.

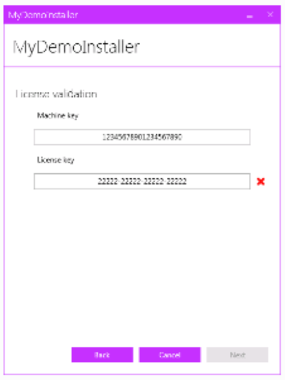


System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

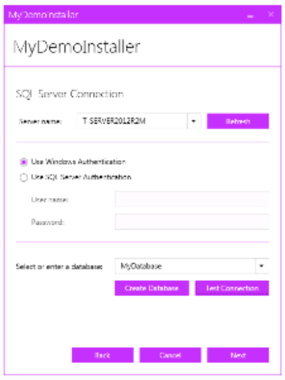
There is no other installation running on your system.



License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222 ✗



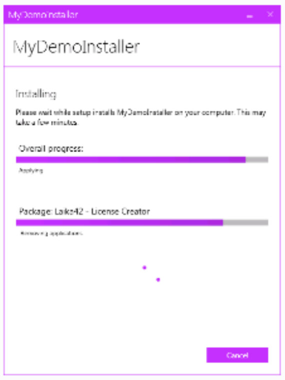
SQL Server Connection

Server name: T-SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase



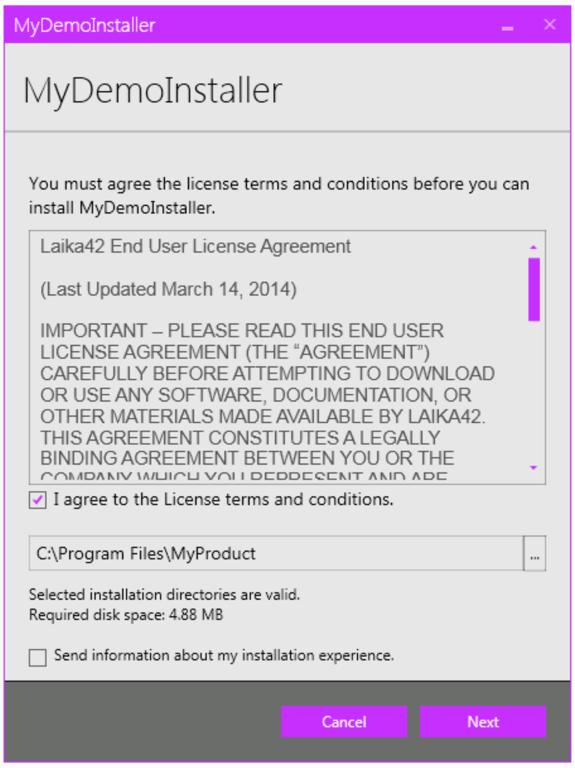
Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications

Theme: Purple, ThemeBase: BaseLightSmooth



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C:\Program Files\MyProduct

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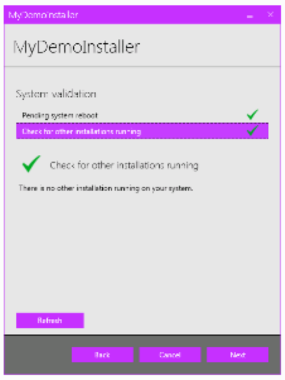
Required disk space: 4.88 MB

[ ] Send information about my installation experience.

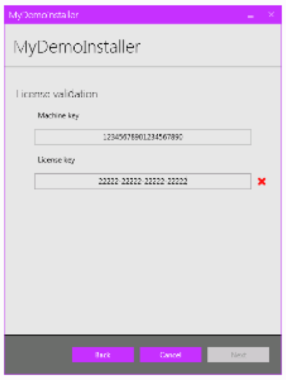


System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

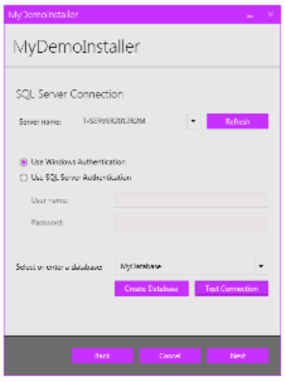
There is no other installation running on your system.



License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222 ✗



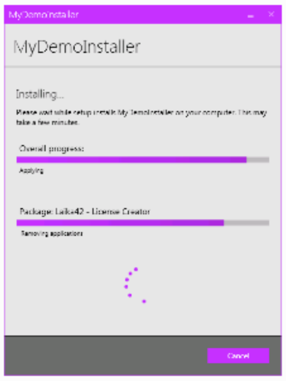
SQL Server Connection

Server name: T-SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase



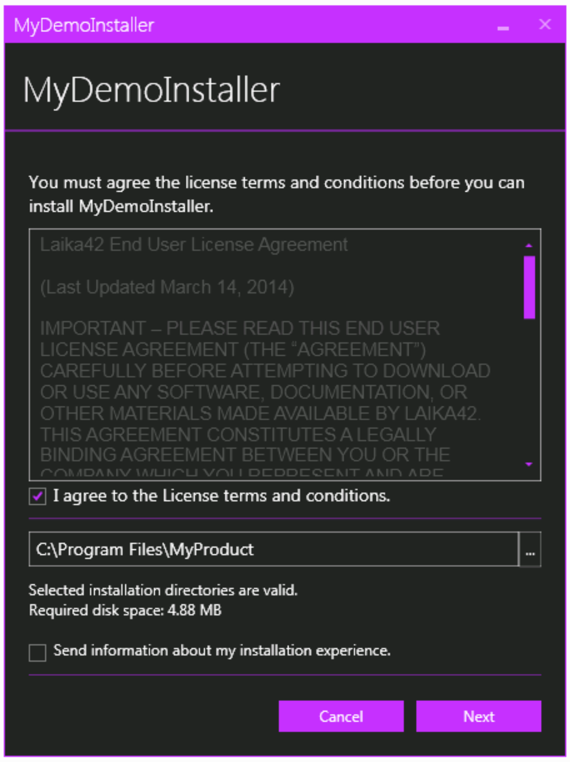
Installing...

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications

Theme: Purple, ThemeBase: BaseDark



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C:\Program Files\MyProduct

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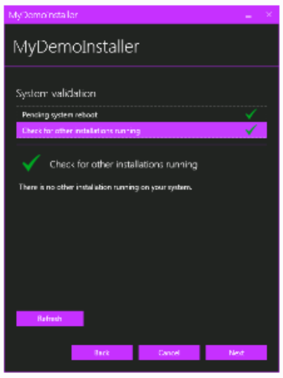
Required disk space: 4.88 MB

[ ] Send information about my installation experience.



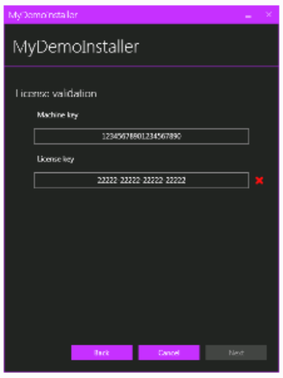
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

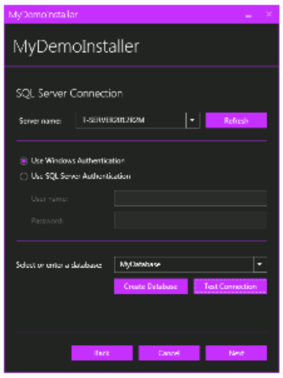


MyDemoInstaller

License validation

Machine key
12345678901234567890

License key
22222-22222-22222-22222



MyDemoInstaller

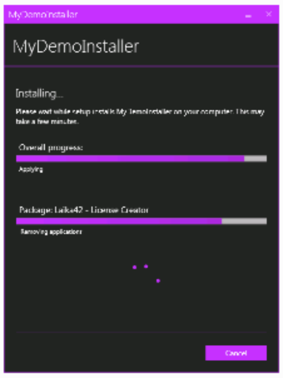
SQL Server Connection

Server name: T-SERVER2012R2M

● Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase



MyDemoInstaller

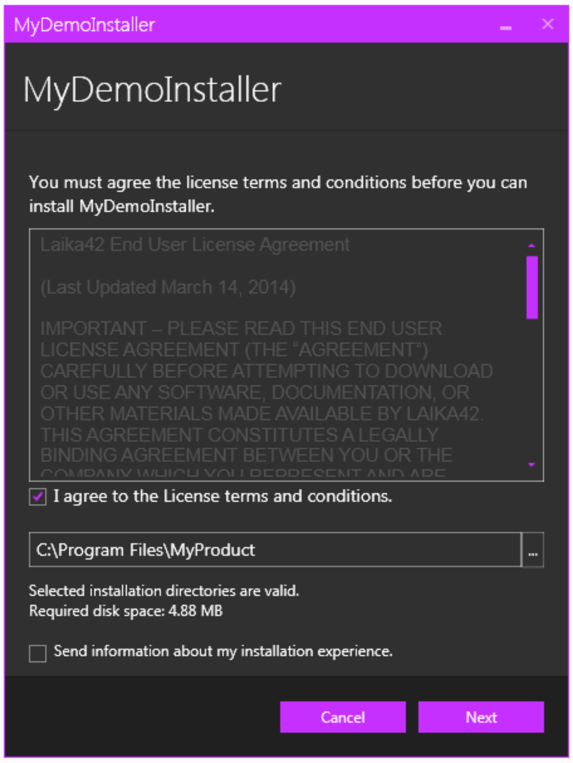
Installing...

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications

Theme: Purple, ThemeBase: BaseDarkSmooth



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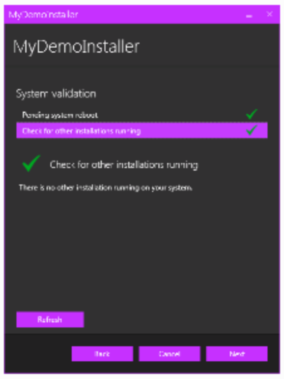
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.



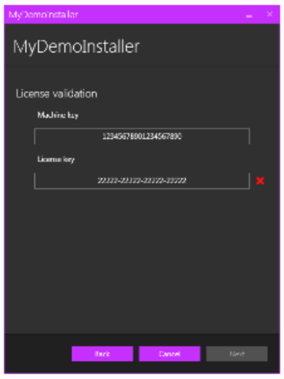
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

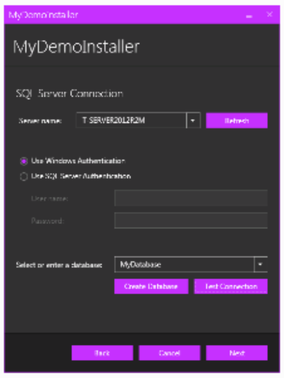


MyDemoInstaller

License validation

Machine key
12345678901234567890

License key
22222-22222-22222-22222



MyDemoInstaller

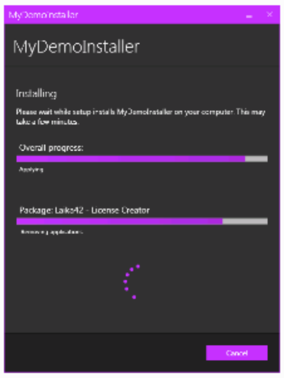
SQL Server Connection

Server name: T-SERVER2012R2M

● Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase



MyDemoInstaller

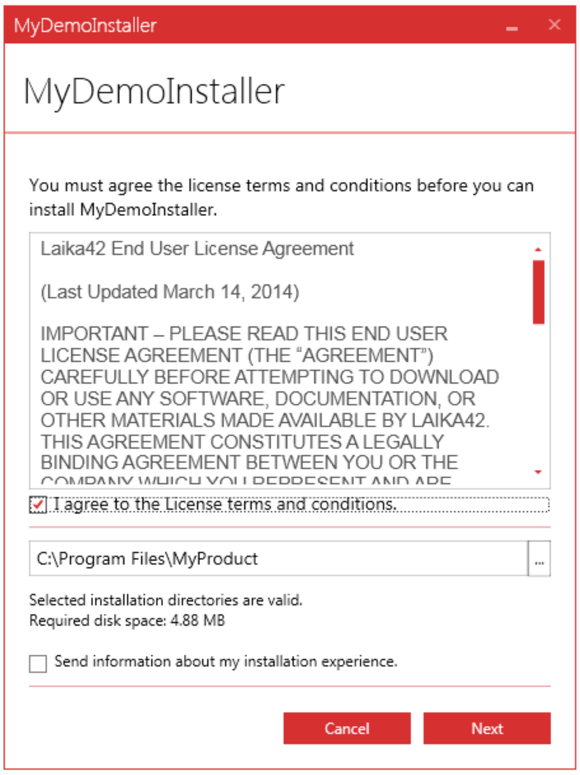
Installing...

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications

Theme: Red, ThemeBase: BaseLight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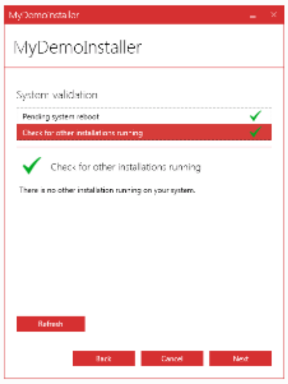
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.


MyDemoInstaller

MyDemoInstaller

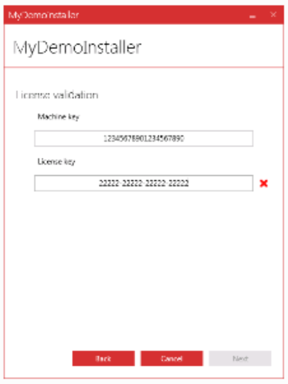
System validation

Pending system reboot ✓

Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

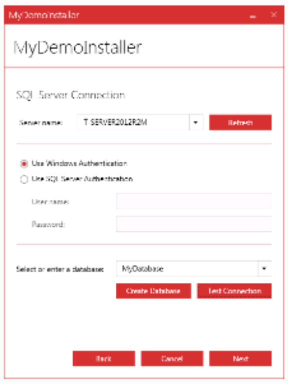

MyDemoInstaller

MyDemoInstaller

License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222 ✗


MyDemoInstaller

MyDemoInstaller

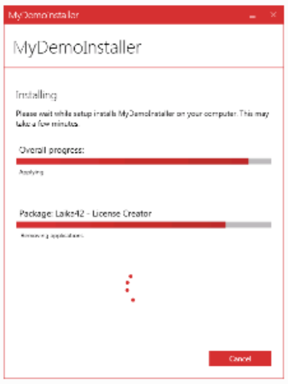
SQL Server Connection

Server name: T-SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

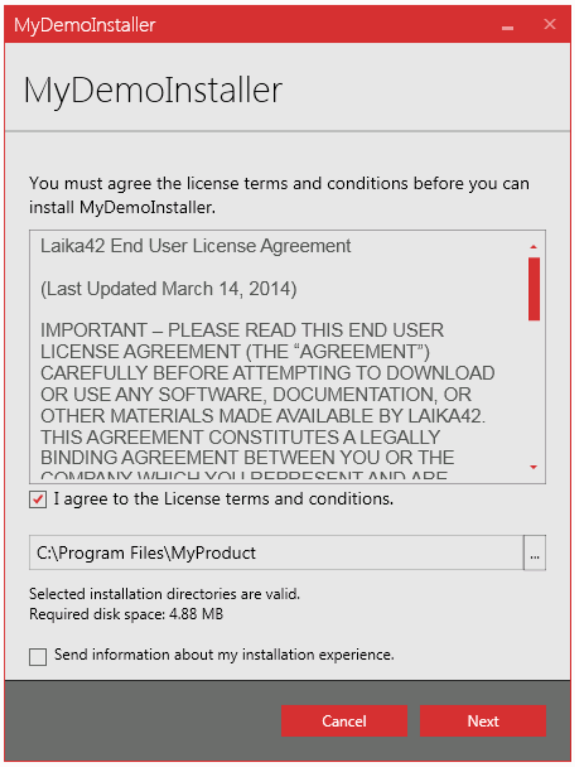
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Red, ThemeBase: BaseLightSmooth


MyDemoInstaller

MyDemoInstaller

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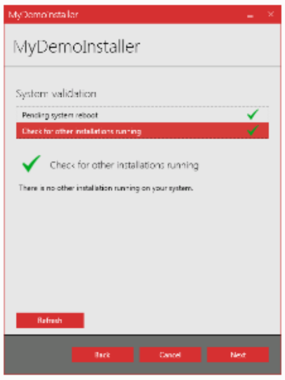
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.


MyDemoInstaller

MyDemoInstaller

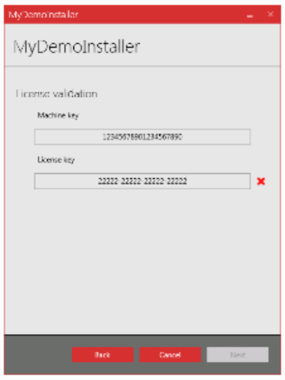
System validation

Pending system reboot ✓

Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

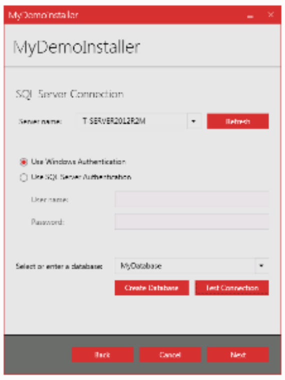

MyDemoInstaller

MyDemoInstaller

License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222 ✗


MyDemoInstaller

MyDemoInstaller

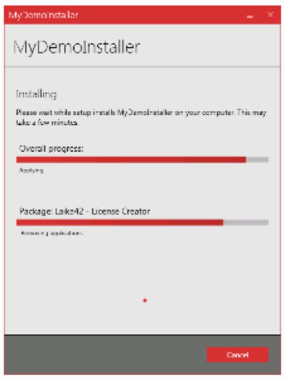
SQL Server Connection

Server name: T-SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

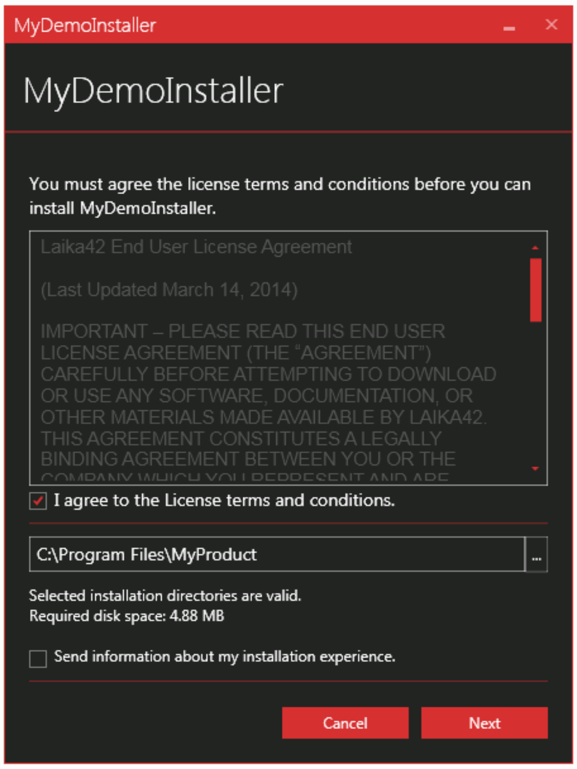
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Red, ThemeBase: BaseDark


MyDemoInstaller

MyDemoInstaller

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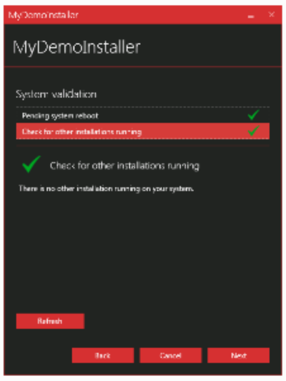
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

☐ Send information about my installation experience.


MyDemoInstaller

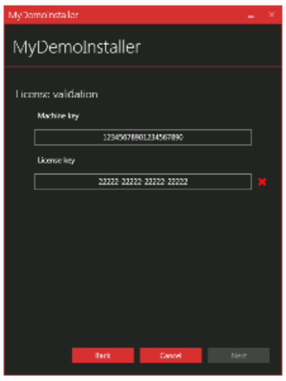
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.


MyDemoInstaller

MyDemoInstaller

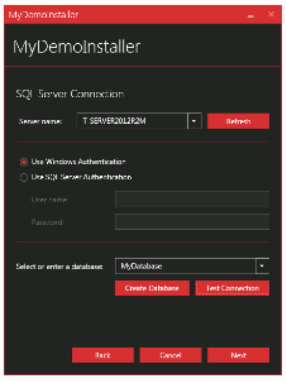
License validation

Machine key

12345678901234567890

License key

22222-22222-22222-22222


MyDemoInstaller

MyDemoInstaller

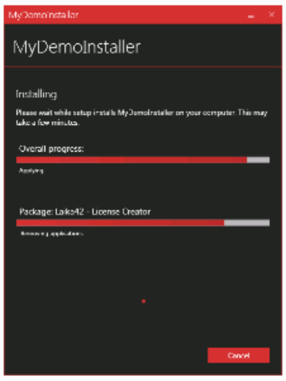
SQL Server Connection

Server name: T SERVER2012R2M

● Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

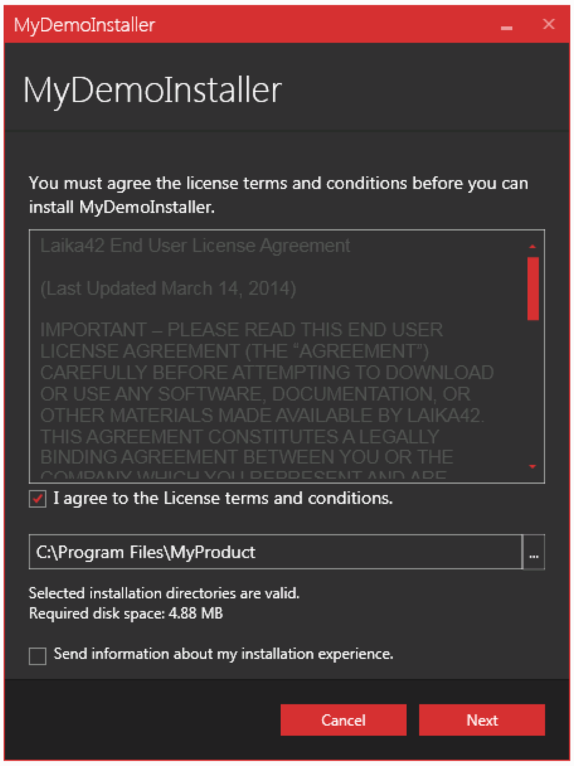
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Red, ThemeBase: BaseDarkSmooth


MyDemoInstaller

MyDemoInstaller

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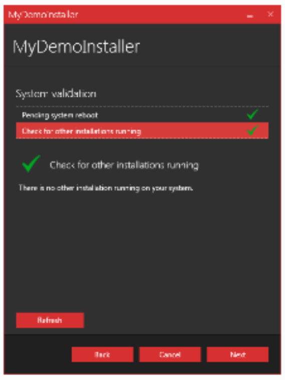
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

☐ Send information about my installation experience.


MyDemoInstaller

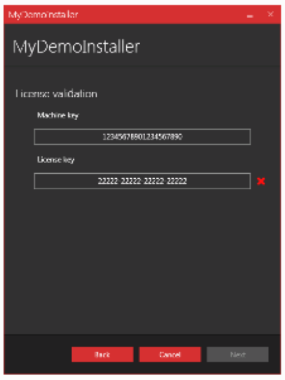
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.


MyDemoInstaller

MyDemoInstaller

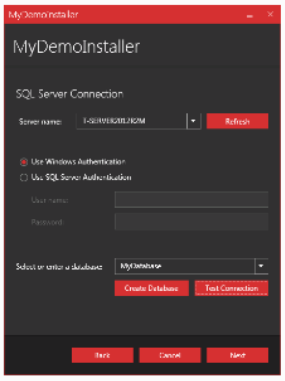
License validation

Machine key

12345678901234567890

License key

22222-22222-22222-22222


MyDemoInstaller

MyDemoInstaller

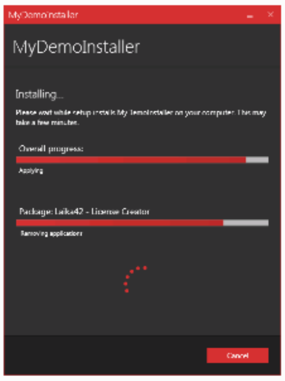
SQL Server Connection

Server name: T-SERVER2012R2M

● Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing...

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

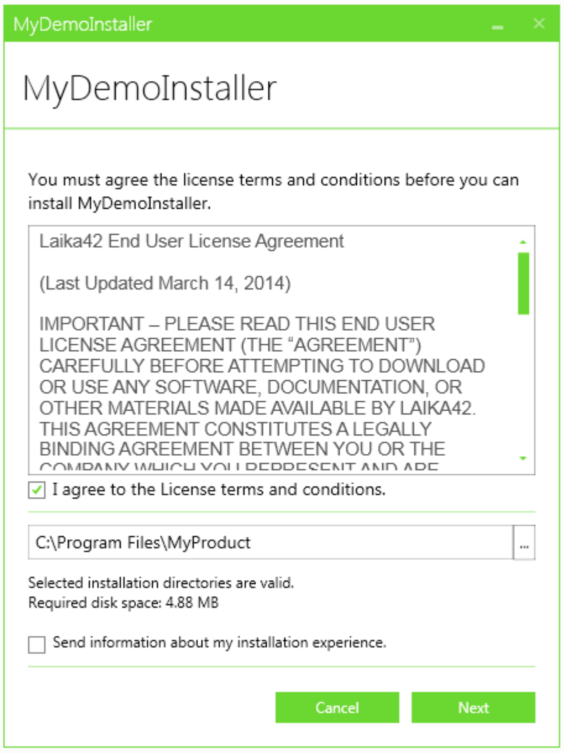
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Green, ThemeBase: BaseLight



MyDemoInstaller

MyDemoInstaller

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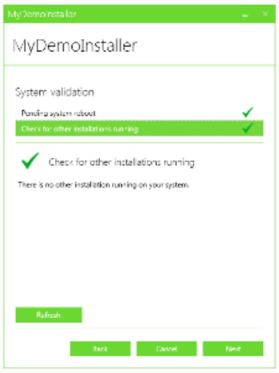
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

☐ Send information about my installation experience.



MyDemoInstaller

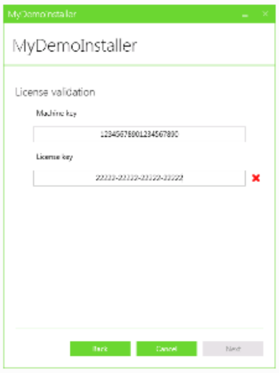
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.



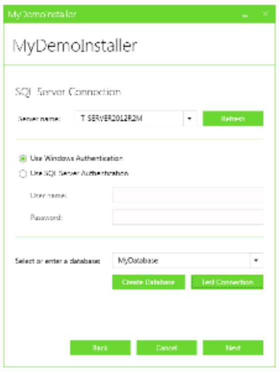
MyDemoInstaller

MyDemoInstaller

License validation

Machine key
12345678901234567890

License key
22222-22222-22222-22222



MyDemoInstaller

MyDemoInstaller

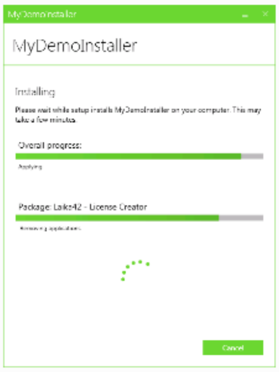
SQL Server Connection

Server name: T-SERVER2012R2M

◉ Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase



MyDemoInstaller

MyDemoInstaller

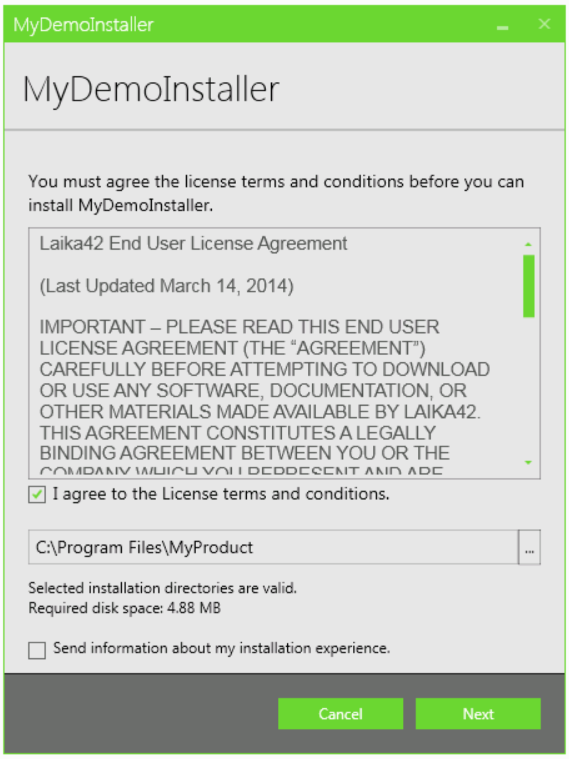
Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications

Theme: Green, ThemeBase: BaseLightSmooth



MyDemoInstaller

MyDemoInstaller

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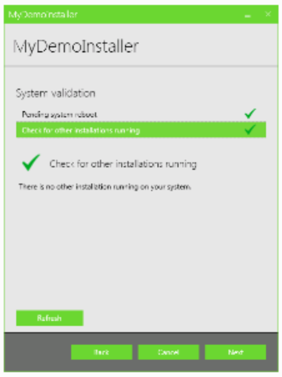
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

☐ Send information about my installation experience.



MyDemoInstaller

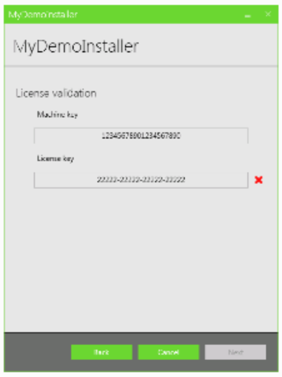
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.



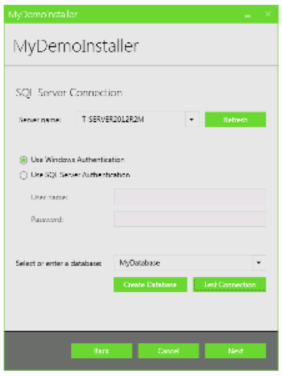
MyDemoInstaller

MyDemoInstaller

License validation

Machine key
12345678901234567890

License key
22222-22222-22222-22222



MyDemoInstaller

MyDemoInstaller

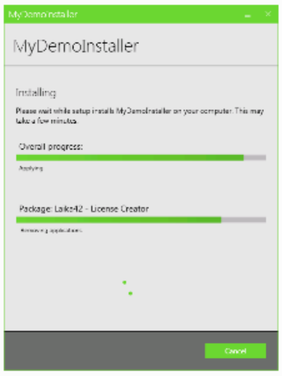
SQL Server Connection

Server name: T-SERVER2012R2M

◉ Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase



MyDemoInstaller

MyDemoInstaller

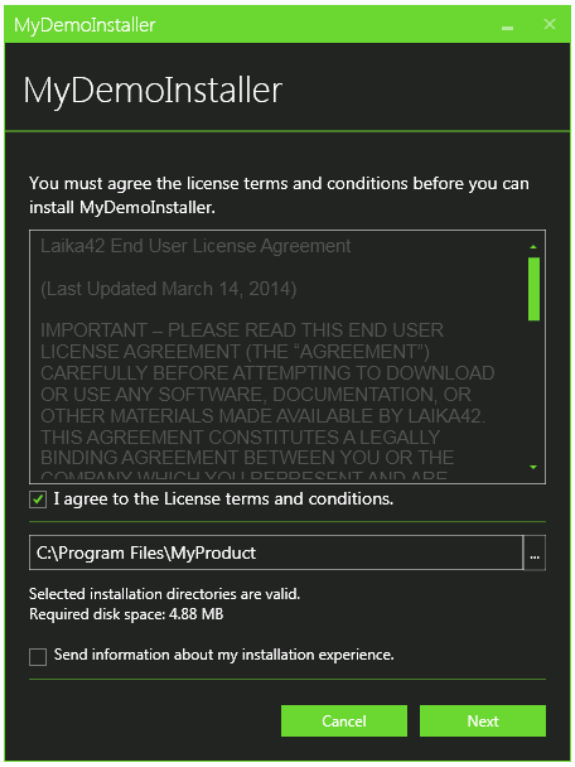
Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications

Theme: Green, ThemeBase: BaseDark


MyDemoInstaller

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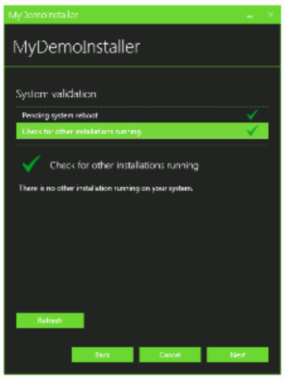
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

☐ Send information about my installation experience.


MyDemoInstaller

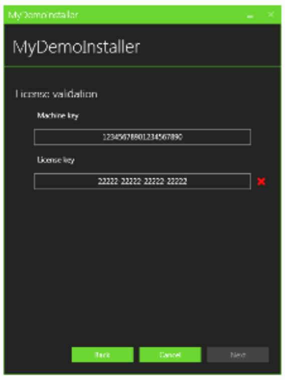
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

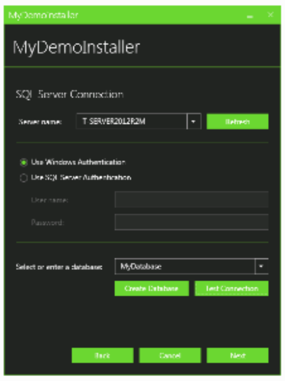

MyDemoInstaller

MyDemoInstaller

License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222


MyDemoInstaller

MyDemoInstaller

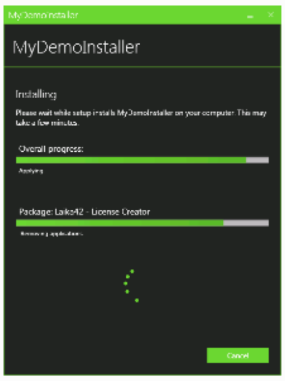
SQL Server Connection

Server name: T SERVER2012R2M

◉ Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

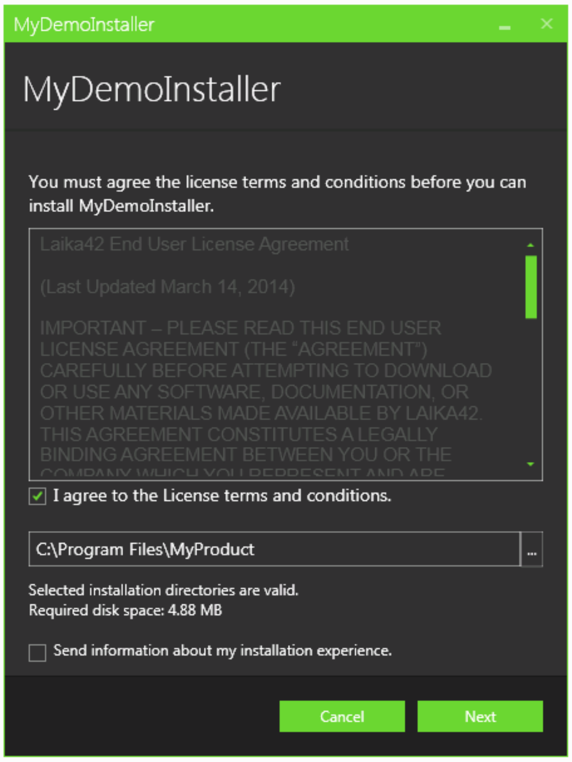
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Green, ThemeBase: BaseDarkSmooth


MyDemoInstaller

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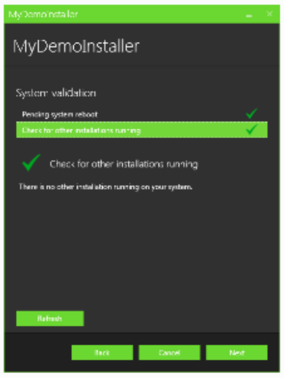
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

☐ Send information about my installation experience.


MyDemoInstaller

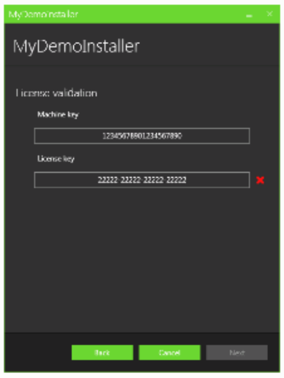
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

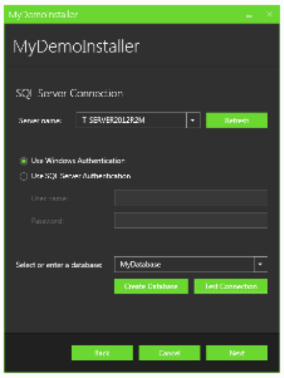

MyDemoInstaller

MyDemoInstaller

License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222


MyDemoInstaller

MyDemoInstaller

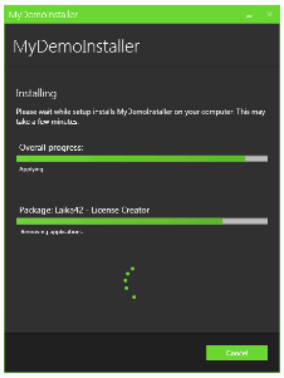
SQL Server Connection

Server name: T SERVER2012R2M

◉ Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

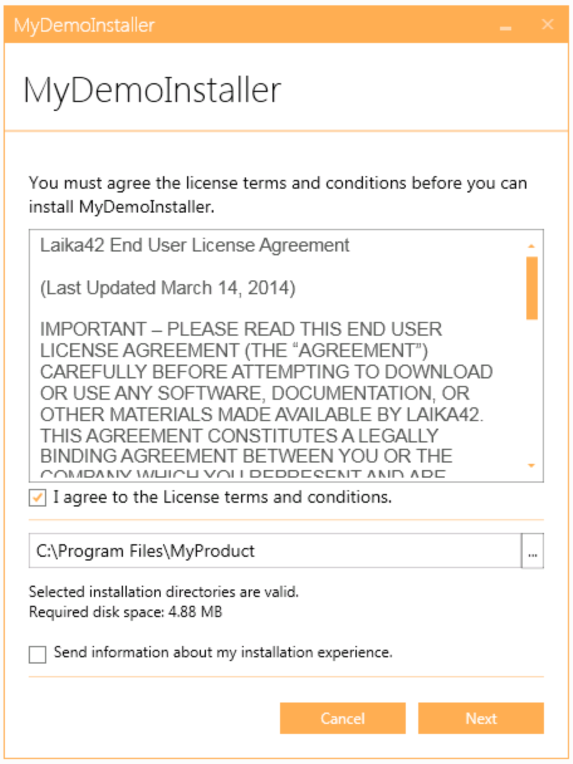
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Orange, ThemeBase: BaseLight



MyDemoInstaller

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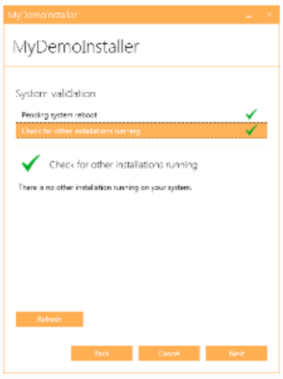
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.



MyDemoInstaller

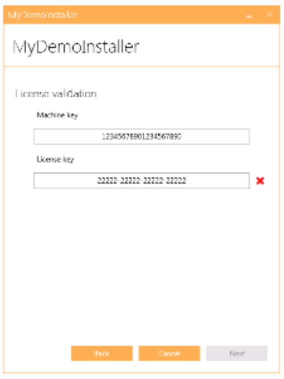
System validation

Pending system reboot ✓

Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.



MyDemoInstaller

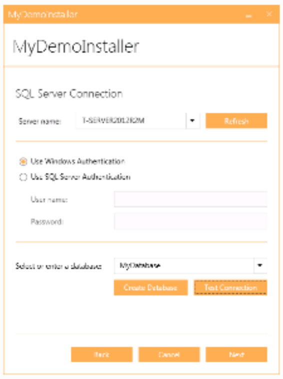
License validation

Machine key

12345678901234567890

License key

22222-22222-22222-22222



MyDemoInstaller

SQL Server Connection

Server name: T-SERVER2012R2M

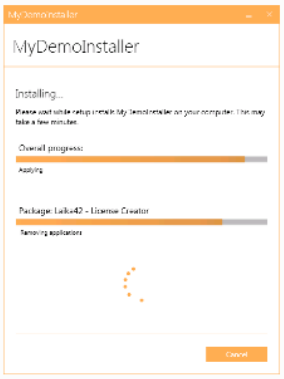
(●) Use Windows Authentication

( ) Use SQL Server Authentication

User name:

Password:

Select or enter a database: MyDatabase



MyDemoInstaller

Installing...

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

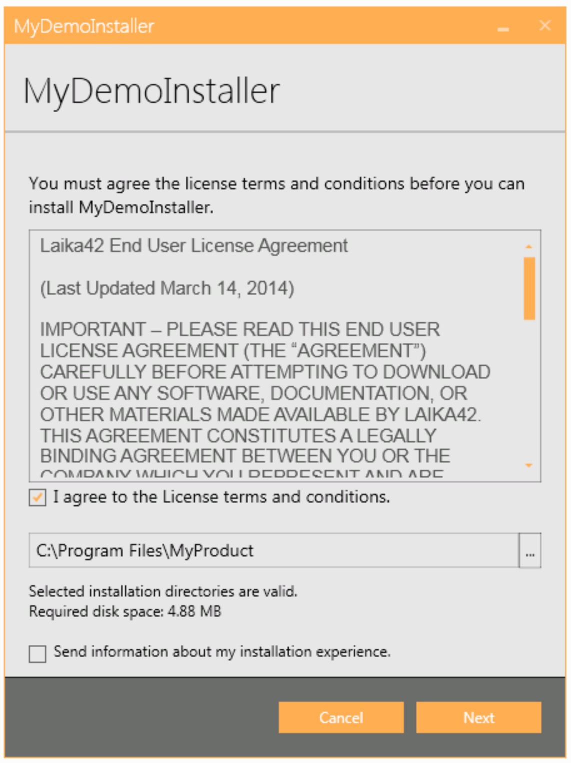
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Orange, ThemeBase: BaseLightSmooth



MyDemoInstaller

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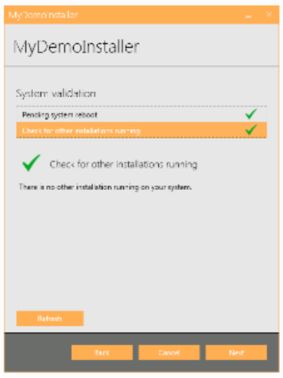
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.



MyDemoInstaller

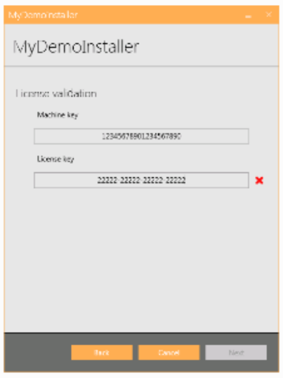
System validation

Pending system reboot ✓

Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.



MyDemoInstaller

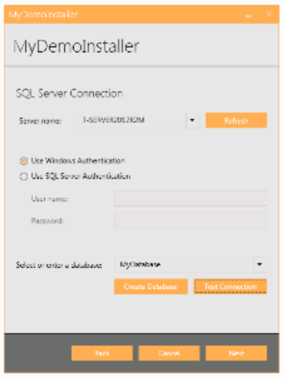
License validation

Machine key

12345678901234567890

License key

22222-22222-22222-22222



MyDemoInstaller

SQL Server Connection

Server name: T-SERVER2012R2M

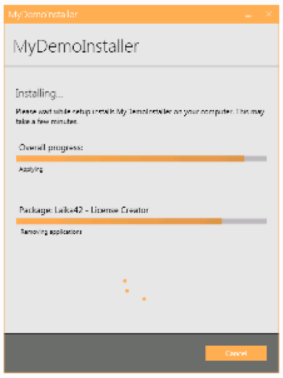
(●) Use Windows Authentication

( ) Use SQL Server Authentication

User name:

Password:

Select or enter a database: MyDatabase



MyDemoInstaller

Installing...

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

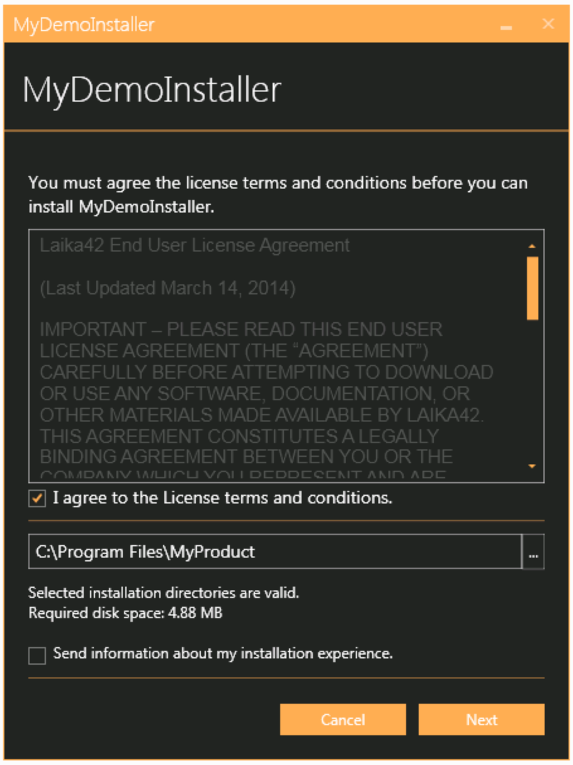
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Orange, ThemeBase: BaseDark



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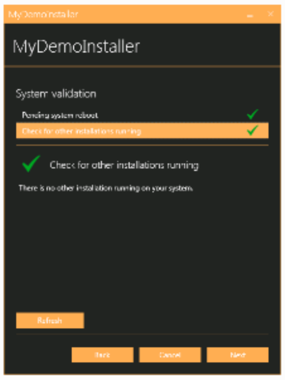
C:\Program Files\MyProduct

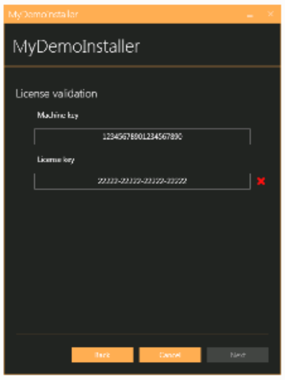
Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.



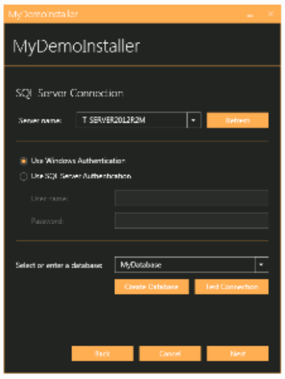
Check for other installations running

There is no other installation running on your system.



Machine key: 12345678901234567890

License key: 22222-22222-22222-22222



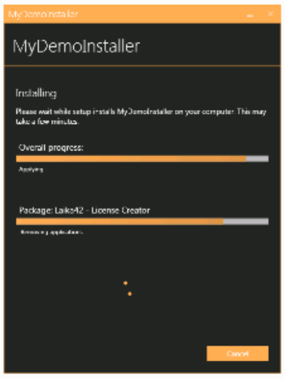
Server name: T SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:

Password:

Select or enter a database: MyDatabase



Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

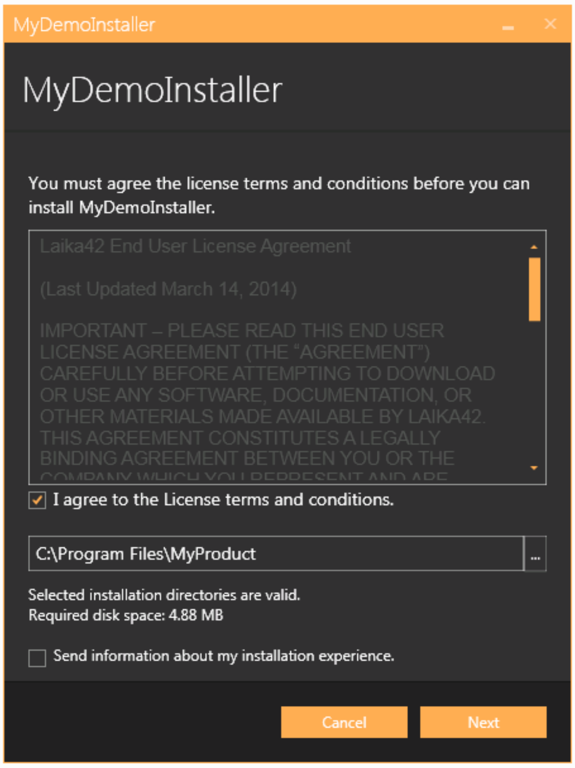
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Orange, ThemeBase: BaseDarkSmooth



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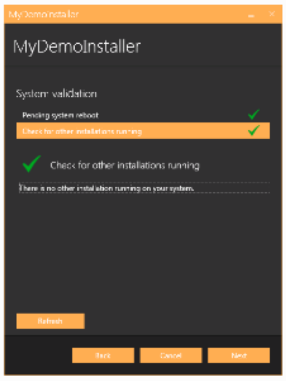
C:\Program Files\MyProduct

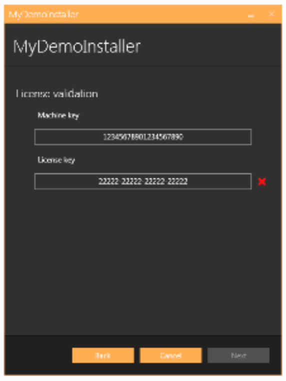
Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.



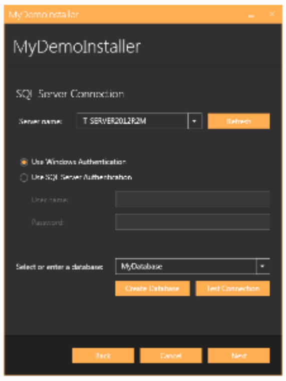
Check for other installations running

There is no other installation running on your system.



Machine key: 12345678901234567890

License key: 22222-22222-22222-22222



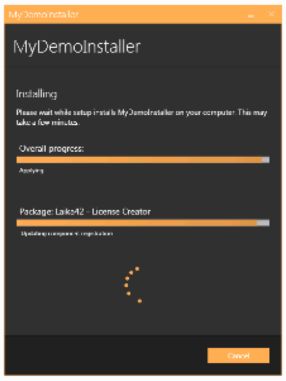
Server name: T SERVER2012R2M

(●) Use Windows Authentication
( ) Use SQL Server Authentication

User name:

Password:

Select or enter a database: MyDatabase



Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

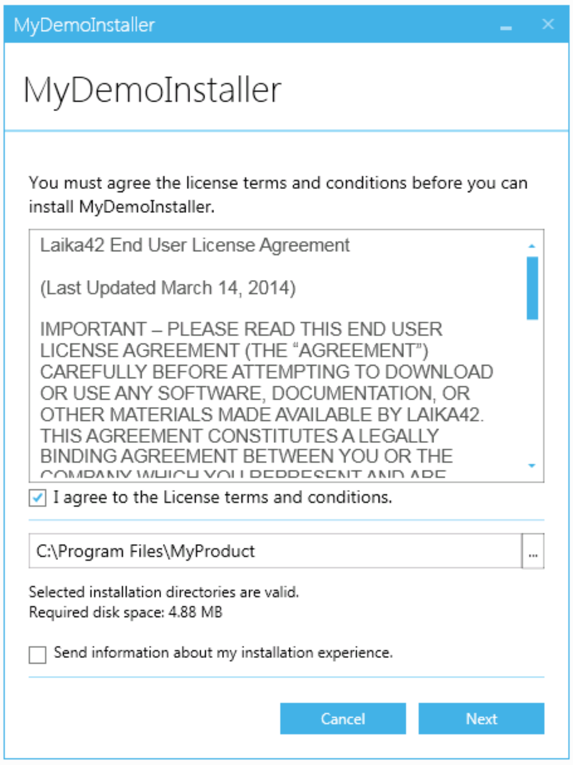
Overall progress:

Applying

Package: Laika42 - License Creator

Updating component registration

Theme: Blue, ThemeBase: BaseLight


MyDemoInstaller

MyDemoInstaller

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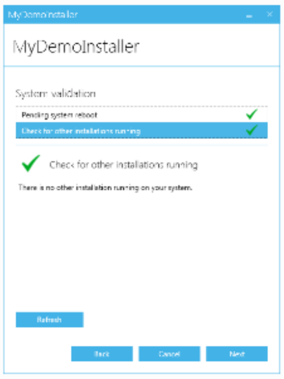
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.


MyDemoInstaller

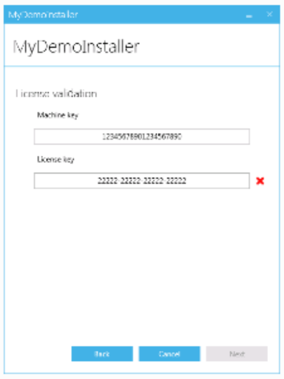
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

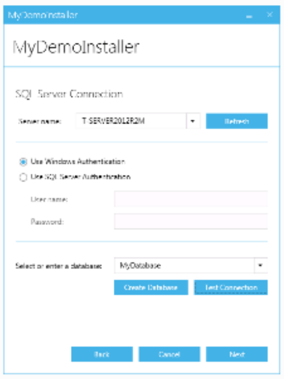

MyDemoInstaller

MyDemoInstaller

License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222


MyDemoInstaller

MyDemoInstaller

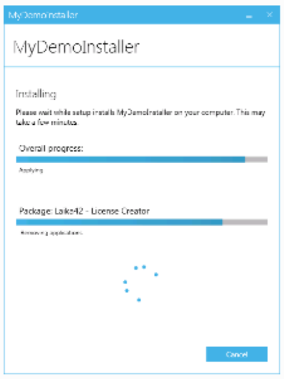
SQL Server Connection

Server name: T-SERVER2012R2M

● Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

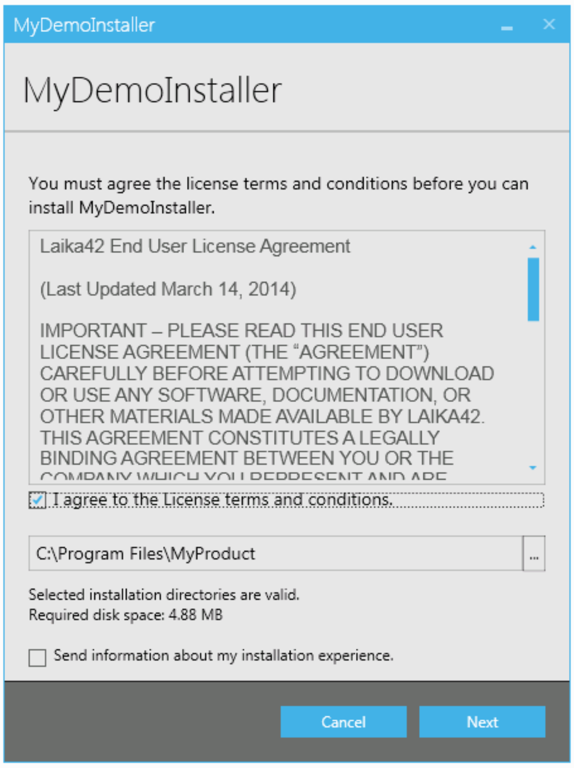
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Blue, ThemeBase: BaseLightSmooth


MyDemoInstaller

MyDemoInstaller

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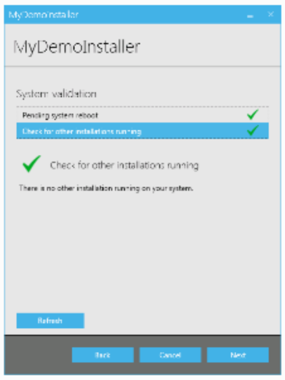
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

[ ] Send information about my installation experience.


MyDemoInstaller

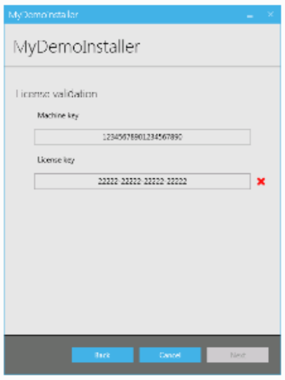
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

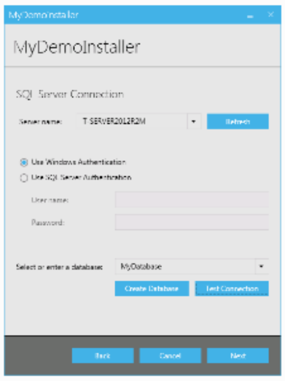

MyDemoInstaller

MyDemoInstaller

License validation

Machine key: 12345678901234567890

License key: 22222-22222-22222-22222


MyDemoInstaller

MyDemoInstaller

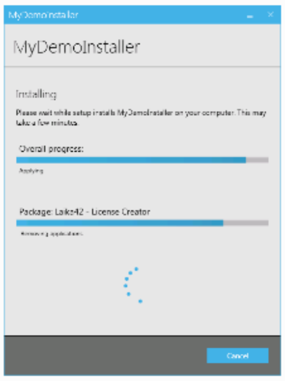
SQL Server Connection

Server name: T-SERVER2012R2M

● Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

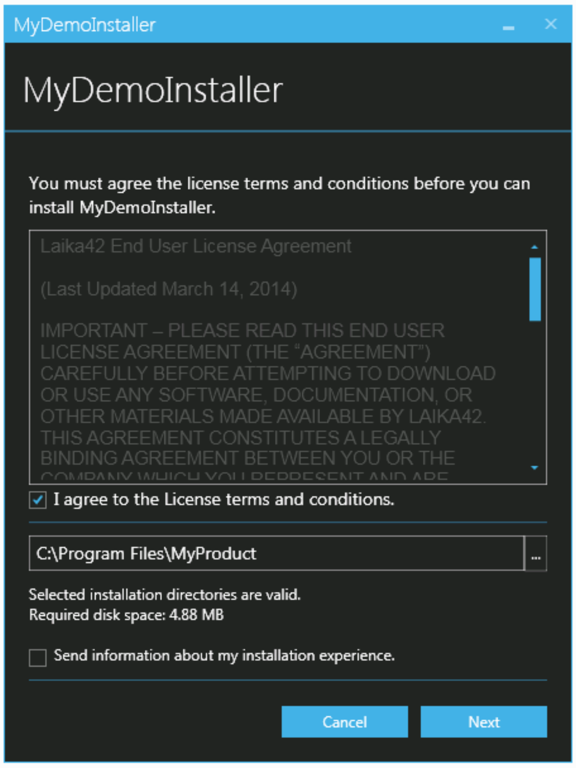
Overall progress:

Applying

Package: Laika42 - License Creator

Removing applications

Theme: Blue, ThemeBase: BaseDark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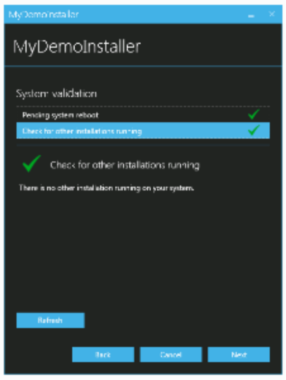
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

☐ Send information about my installation experience.


MyDemoInstaller

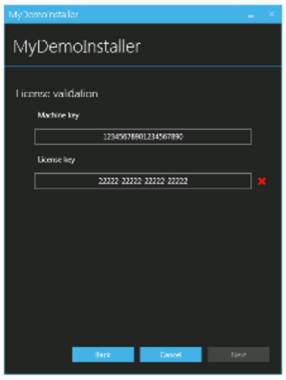
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

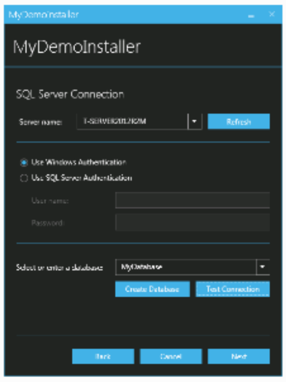

MyDemoInstaller

MyDemoInstaller

License validation

Machine key
12345678901234567890

License key
22222-22222-22222-22222 ✗


MyDemoInstaller

MyDemoInstaller

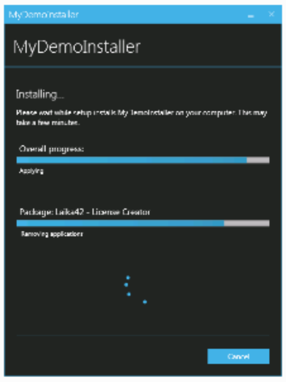
SQL Server Connection

Server name: T-SERVER2012R2M

● Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

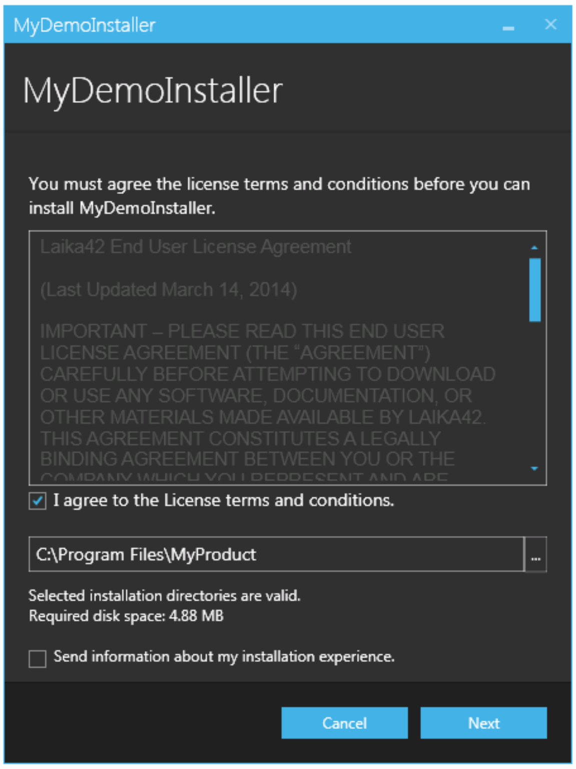
Installing...

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications

Theme: Blue, ThemeBase: BaseDarkSmooth


MyDemoInstaller

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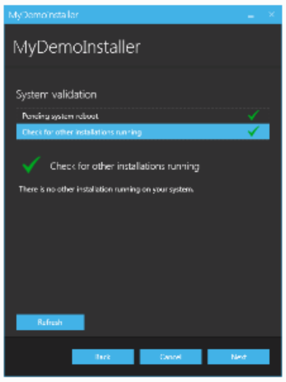
C:\Program Files\MyProduct

Selected installation directories are valid.
Required disk space: 4.88 MB

☐ Send information about my installation experience.


MyDemoInstaller

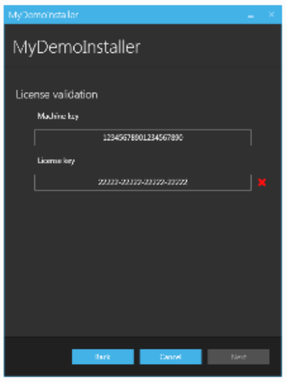
MyDemoInstaller

System validation

Pending system reboot ✓
Check for other installations running ✓

✓ Check for other installations running

There is no other installation running on your system.

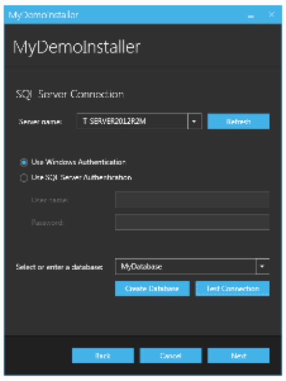

MyDemoInstaller

MyDemoInstaller

License validation

Machine key
12345678901234567890

License key
22222-22222-22222-22222 ✗


MyDemoInstaller

MyDemoInstaller

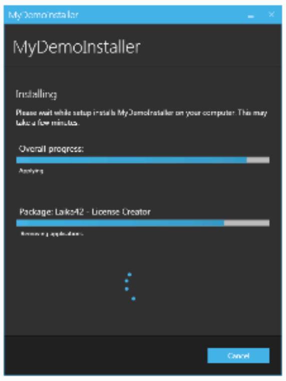
SQL Server Connection

Server name: T-SERVER2012R2M

● Use Windows Authentication
○ Use SQL Server Authentication

User name:
Password:

Select or enter a database: MyDatabase


MyDemoInstaller

MyDemoInstaller

Installing

Please wait while setup installs MyDemoInstaller on your computer. This may take a few minutes.

Overall progress:
Applying

Package: Laika42 - License Creator
Removing applications