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Pulsonix MSI Installation Users Guide

This guide will show you how to setup an MSI installation.

In a typical installation, you would use a graphical user interface to configure how a product is to be installed (using the Installer). However, in certain scenarios such as mass site deployment, an MSI installer is a more efficient option as you can configure the install set once, and then install it on multiple machines.

We recommend that only administrators should use the Pulsonix MSI installer.

The Pulsonix MSI is configurable by defining a set of properties that will control how the installation is setup.

Common Properties

These are the common settings that are configured during an install.

Licensing

To setup the licensing correctly, you will need to specify the license type you are planning to use. This can be done by setting the property LICENSE_TYPE followed by a number between 0 - 4.

> 0 = Use a license file (*.lic*)
>
> 1 = Use a Network License
>
> 2 = Use Pulsonix in trial mode
>
> 3 = Use Pulsonix in view only mode
>
> 4 = No change, use your existing license configuration

The default license type if not specified is No Change.

Depending on the license type that you select, you may be required to set additional properties. The following tables show you the properties required depending on the license type you have selected:

License File

Property	Value	Description
LICENSE_FILE_PATH	<Path-To-License-File>	The path to the license file you want to use

Network License

Property	Value	Description
SERVER_NAME	Hostname	The hostname of the server running NLS
SERVER_PORT	Port	The port that NLS is bound to

Registration (Required)

Property	Value	Description
USERNAME	Your name	The Person to be used to register the product
COMPANY_NAME	Your company name	The name of the company to be used to register the product

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Install Locations

Property	Values	Description
INSTALL_FOLDER	<Path-To-Install-Folder>	The location where the product is to be installed
Default: C:\Program Files\Pulsonix 13.0\		
DATA_FOLDER	<Path-To-Data-Folder>	The location where the product data files are to be installed
Default: C:\Users\<current-user>\Documents\Pulsonix13.0\		

Other Options

Property	Value	Description
CREATE_SHORTCUT	0 or 1	Do you want a desktop shortcut to be added?
Default: 0		
MIGRATE_REGISTRY	0 or 1	Do you want Pulsonix to migrate registry values from previous versions?
Default: 0		

File Associations

Property	Value	Description	Default
WANT_PCB_ASSOC	0 or 1	PCB Design (.pcb) file association	1
WANT_SCH_ASSOC	0 or 1	Schematic Design (.sch) file association	1
WANT_PFP_ASSOC	0 or 1	Footprint (.pfp) file association	1
WANT_SSY_ASSOC	0 or 1	Schematic Symbol (.ssy) file association	1
WANT_PAR_ASSOC	0 or 1	Part (.par) file association	1
WANT_PTF_ASSOC	0 or 1	PCB Technology (.ptf) file association	1
WANT_STF_ASSOC	0 or 1	Schematic Technology (.stf) file association	1
WANT_PPR_ASSOC	0 or 1	PCB Profile (.ppr) file association	1
WANT_PDS_ASSOC	0 or 1	PCB Document Symbol (.pds) file association	1
WANT_SDS_ASSOC	0 or 1	Schematic Document Symbol (.sds) file association	1
WANT_SPR_ASSOC	0 or 1	Schematic Profile (.spr) file association	1
WANT_PAT_ASSOC	0 or 1	Part Technology (.pat) file association	1
WANT_BLK_ASSOC	0 or 1	Block (.blk) file association	1
WANT_PAL_ASSOC	0 or 1	Part Library (.pal) file association	1
WANT_PFL_ASSOC	0 or 1	PCB Footprint Library (.pfl) file association	1
WANT_SSL_ASSOC	0 or 1	Schematic Symbol Library (.ssl) file association	1
WANT_PDL_ASSOC	0 or 1	PCB Doc Symbol Library (.pdl) file association	1
WANT_SDL_ASSOC	0 or 1	Schematic Doc Symbol Library (.sdl) file association	1
WANT_RFF_ASSOC	0 or 1	Report Format File (.rff) file association	1
WANT_GBR_ASSOC	0 or 1	Gerber (.gbr) file association	1
WANT_PCL_ASSOC	0 or 1	PCB Colour (.pcl) file association	1
WANT_SCL_ASSOC	0 or 1	Schematic Colour (.scl) file association	1

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Uninstallation

When uninstalling the product, there is a choice as to what product information should be removed or keep. The following tables shows the available properties that can be passed to the uninstaller:

Property	Value	Description
REMOVE_PROGRAM_SETTINGS	0 or 1	Deletes the product registry, useful when you are planning to do a clean install

Default: 0

Running the Installer

The MSI installer can be run in many ways; some users have 3rd Party software to deploy installations, and others use the built-in Windows Server software deployment tools. The Pulsonix MSI can also be run from the command line.

The Pulsonix installer requires you run it with Administration permissions

Passing the properties to the installer

This section will only cover how to pass your configured properties to the installer using the command line or double-clicking on the MSI file.

Command Line Installation

You can run the installer with your configured properties by using the following command:

```
<Path-To-MSI-Installer> PROPERTY=VALUE PROPERTY2=VALUE2
```

If you have issues, you can use the following command to display the help associated with running MSI installers:

```
msiexec -?
```

An example:

```
C:\Pulsonix.msi LICENSE_TYPE=0 LICENSE_FILE_PATH="C:\Licenses\license.lic"
USERNAME="Jane Doe" COMPANY_NAME=ACME
```

Command Line Uninstallation

You can run the uninstaller with your configured properties by using the following command:

```
msiexec -uninstall <Path-To-MSI-Installer> PROPERTY=VALUE
```

If you have issues, you can use the following command to display the help associated with running MSI installers:

```
msiexec -?
```

An example:

```
msiexec -uninstall C:\Pulsonix.msi REMOVE_PROGRAM_SETTINGS=1
```

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Limitations

Due to the nature of MSI installers, the following 3rd party utilities are required by Pulsonix but they have to be installed outside of the MSI installer if not already installed.

Note: these would be automatically installed using the standard Pulsonix installer.

These utilities will need to be installed before running the MSI installer. You can find these on the Pulsonix web site under Tools and Utilities Downloads on the Technical menu:

Microsoft Visual C++ Runtime 2015 - 2022 x64

Microsoft Visual C++ Runtime 2015 - 2022 x86

PostgreSQL ODBC Driver x64

Microsoft Access Database Engine x64

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