SCIA Engineer 21.0 MSI installation command line parameters

General information

All parameters set during installation of SCIA Engineer 21.0 (like installation folder, language, protection...) can be set via command line. All parameters are case sensitive; most of them are in upper case. You can specify them like this:

```
SciaEngineer21.0.msi PARAMETER1=value1 PARAMETER2=value2
```

If you are using setup.exe bootstrapper, you can specify MSI parameters in /v parameter, so the example above would look like this:

```
setup.exe /v"PARAMETER1=value1 PARAMETER2=value2"
```

Note that there are no spaces between parameter name and value and between /v and quotation mark.

If parameter contains spaces (like in the path) it must be enclosed in quotation marks:

```
SciaEngineer21.0.msi INSTALLDIR="C:\Program Files\SEN21.0"
```

If you use setup.exe, you need to specify quotation marks within quotation marks like this:

```
setup.exe /v"INSTALLDIR=\"C:\Program Files\SEN21.0\""
```

Redistributables required to install and run SCIA Engineer

If you install SCIA Engineer directly using MSI, you must ensure that all necessary prerequisites are available on the computer, otherwise setup or run of SCIA Engineer will fail. If you use setup.exe, all prerequisites are installed automatically during installation

List of prerequisites

WinHTTP TLS fix for Windows 7[1]	https://cdnstore.scia.net/setup_prereq/easyFix51044/MicrosoftEasyFix51044.msi
.NET Framework 4.6.2	https://cdnstore.scia.net/setup_prereq/netFramework/4_6_2/NDP462-KB3151800-x86-x64-AllOS-ENU.exe
Visual C++ 2005 SP1 redist	https://cdnstore.scia.net/setup_prereq/vc2005mfcu/vcredist_x86.exe
Visual C++ 2010 redist x86	https://cdnstore.scia.net/setup_prereq/vc2010sp1/x86/vcredist_x86.exe
Visual C++ 2010 redist x64	https://cdnstore.scia.net/setup_prereq/vc2010sp1/x64/vcredist_x64.exe
Visual C++ 2013 redist x86	https://cdnstore.scia.net/setup_prereq/vc2013/x86/vcredist_x86.exe
Visual C++ 2013 redist x64	https://cdnstore.scia.net/setup_prereq/vc2013/x64/vcredist_x64.exe
Visual C++ 2019 redist x86	https://cdnstore.scia.net/setup_prereq/vc2019/14.28.29913/vc_redist.x86.exe
Visual C++ 2019 redist x64	https://cdnstore.scia.net/setup_prereq/vc2019/14.28.29913/vc_redist.x64.exe
Tekla to SCIA Engineer Plugin[2]	https://cdnstore.scia.net/setup_prereq/teklatosen/1_4_123/TeklaToSENSetup.msi
Revit to SCIA Engineer Plugin[3]	https://cdnstore.scia.net/setup_prereq/revittosen/22_0_514/revit_setup.msi

[1] required only for web setup on Windows 7
[2] install only if link from Tekla Structures to SCIA Engineer is required
[3] install only if link from Revit to SCIA Engineer is required

Quick overview of SEN 21.0 command line parameters

NAME	PURPOSE
INSTALLDIR	full path to installation folder
SETUPLANG	language in which SEN is installed. It affects language dlls, default language and help files. This does not affect setup language; you must use transforms for that
ENVIRONMENTTYPE	type of environment (default or legacy)
CLOUDUSER	username for Cloud license (user@domain.com)
CLOUDPASSWORD	password for Cloud license
CREATEDESKTOPICON_ESA	create desktop icon for Scia Engineer (0/1)
CREATEDESKTOPICON_SCS	create desktop icon for Scia Concrete Section (0/1)
ADDLOCAL	specifies which features should be installed

Valid values for command line parameters

SETUPLANG

SETUPLANG=language_code

where `language_code` is value from the following table:

1029 – Czech	1036 – French	1048 – Romanian
1031 – German	1043 – Dutch	1049 – Russian
1032 – Greek	1045 – Polish	1050 – Croatian
1034 – Spanish	1046 – Portuguese	1051 – Slovak

Only one value can be specified. If language is not specified, English (1033) will be used

DEFAULT VALUE: 1033 (English)

EXAMPLE: SETUPLANG=1043

ENVIRONMENTTYPE

Type of environment - default (new GUI) or legacy (old menu + tree interface). This affects only file association and desktop icons. Both environments are always installed and it is possible to run them.

    1 = default (new GUI)   2 = old menu + tree interface

DEFAULT VALUE: 1 (2 for Windows 7)

EXAMPLE: ENVIRONMENTTYPE=1

CLOUDUSER, CLOUDPASSWORD

Specify e-mail address and password for Cloud license

EXAMPLES: `CLOUDUSER=user@company.com`
              `CLOUDPASSWORD=MyPassword`

ADDLOCAL

Specifies which features should be installed. Feature names are case sensitive.

If not specified, typical setup is performed, so program files, help files (English or based on SETUPLANG), English language files, language files based on SETUPLANG (if specified) are installed on the computer.

You can specify keyword **ALL** to install all features (complete installation, including add-ons) like this:

    `ADDLOCAL=ALL`

Or you can specify comma separated list of features, which should be installed, from the following list:

ProgramFiles	main application files and English language (required)
Fonts	fonts files (required)
SciaDesignForms	Scia Design Forms application files (required)
SdfDocuments	Scia Design Forms documents (required)
HelpFiles	help files
ProjectTemplates	project templates files
SampleProjects	sample projects
LangCSY, LangESP, LangPLK, LangDEU, LangNLD, LangSKY, LangFRB, LangROM, LangRUS, LangELL, LangHRV, LangPTG, LangSRM	additional language files
TeklaLink_x64 **RevitLink_x64**	add-ons for SciaEngineer

EXAMPLE:
    `ADDLOCAL=ProgramFiles,Fonts,SciaDesignForms,SdfDocuments,LangNL D,LangRUS`

Do not use any spaces in the list of features.

WARNING: If you use ADDLOCAL parameter without ALL keyword, you should always specify **ProgramFiles**, **Fonts**, **SciaDesignForms** and **SdfDocuments** feature. Otherwise core Scia Engineer files will not be installed, and it will not be possible to run it.

NOTE: If you use SETUPLANG parameter together with ADDLOCAL, then you must include appropriate feature for desired language (unless of course you are using ALL keyword). For example, if you want to have Dutch as default language (using SETUPLANG=1043), you also must add LangNLD to ADDLOCAL list

NOTE: If HelpFiles feature is specified, language of help files is determined by SETUPLANG parameter. If not specified, then English help files will be installed.

Unattended run of Scia Engineer 21.0 setup

To run Scia Engineer 21.0 setup without user interaction, you can use the following command line parameters:

`/qr`   reduced user interface (UI) – full size setup dialog is displayed, but without user interaction

`/qb`   basic UI – only small dialog with progress bar is displayed

`/qb+` same as **/qb** but shows modal dialog requiring user interaction after setup is completed

EXAMPLES:

```
SciaEngineer21.0.msi /qr
SciaEngineer21.0.msi /qb INSTALLDIR=c:\SEN21.0
```

Document version

Last updated: **20.5.2021**

Valid for SCIA Engineer version: **21.0.0030**