

ArtiosCAD 23.03

Using the Silent Installer

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1. Location and Copyright

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2. Introduction

In large corporate environments, it can be inconvenient to install and configure ArtiosCAD identically on many workstations. To ease this task, ArtiosCAD has an installation method called silent installation which needs minimal user intervention.

Silent installation uses the command prompt and appends the setup command with configuration options called switches. For example, to install ArtiosCAD in English to the D: drive and have user files stored in E:\users\prod, the command is as follows:

```
setup /s /L1033 /v"/qn INSTALLDIR=D:\Artios USERFILES_DIR=E:\Users\Prod"
```

For a richer and more robust ArtiosCAD installation experience, you can write a batch file containing the command, and distribute the batch file to each computer for use with the ArtiosCAD media. Or the batch file can be run on each computer with the command inside the batch file pointing to the ArtiosCAD setup directory on a common network server. Silent installation is not a way to install ArtiosCAD remotely. It works only for the computer on which it is run. For example, you cannot install ArtiosCAD on system CLIENT1 by doing a silent installation on system SERVER1 and specifying file locations on CLIENT1. Doing that would install ArtiosCAD on SERVER1 and store all the files on CLIENT1. It would not install ArtiosCAD on CLIENT1. Consult the latest system requirements on Esko's website to determine which operating systems support using ArtiosCAD.

**Note:**

For all operations using the silent installer, you must be logged in as Administrator or as a user who is a member of the local Administrators group. Being a member of the Domain Administrators group is not sufficient.

3. Before you begin

If the system will be using SQL Server Express Edition as the database engine, you must install it before installing ArtiosCAD. To install SQL Server Express Edition **in English only** silently using the batch file, run `\ArtiosCAD\SQL<Year>ExpressInstall.bat` on the media on the Database server.

To install the express edition of Microsoft SQL Server in a language other than English, download it from Microsoft directly and install it.

4. Composing the command

All silent installations start by using this command:

```
setup /s /Lcode /v"/qn switches"
```

where *switches* are configuration options you specify that are described in the next section.

When composing the command, note the following:

- */Lcode* is optional and it stands for the language both for the installer to use and to run ArtiosCAD and its associated programs in. *Code* is a 4-digit code; refer to the next section for more information. If you do not specify */L* on the command line, you will be prompted to choose the language during installation.



Note: To use Microsoft SQL Server Express as the database engine in a language other than English, you must download it directly from Microsoft and install it beforehand.

- There is no space between the *v* and the first quotation mark.
- **Switches and their values are case sensitive.**
- Use a quotation mark after the last switch to close the string of switches passed to the setup program.
- If there are spaces in a switch, use quotation marks to enclose it. To not interfere with the quotation marks around the entire string of switches, each of these quotation marks must be preceded by a backslash, as shown below:

```
setup /s /Ll031 /v"/qn INSTALLDIR="D:\Esko\Artios Test\""
```

- You must use the **setup** command in the *ArtiosCAD* folder of the CD or network location, or explicitly state the absolute path to it as part of the setup command (for example, **G:\ArtiosCAD_versions\ArtiosCAD16.1\ArtiosCAD\setup**). The top level **setup.exe** does not work for silent installation.

The value of each piece of information needed to install ArtiosCAD comes from one of three places:

1. It can be specified as a switch on the command line.
2. It can be in the Registry already if this is an upgrade.
3. It can be a default in the setup program.

The setup program follows the hierarchy listed above. Command line switches override Registry values and the setup program's internal defaults. Values already in the Registry override internal defaults but in turn are overridden by command line switches. Internal defaults are used only when there is no pre-existing Registry value and no command line switch.

Language codes

Use these codes with the */L* switch to specify the language for ArtiosCAD and its associated programs. Users can change the running language after ArtiosCAD is installed by using **Switch ArtiosCAD Language** in the ArtiosCAD program group.

Language	Code
Czech	1029
English	1033
French	1036
German	1031
Hungarian	1038
Italian	1040
Japanese	1041
Korean	1042
Polish	1045
Brazilian Portuguese	1046
Russian	1049
Simplified Chinese	2052
Spanish	1034
Traditional Chinese	1028

Switches

Switches	Default Value	Allowable Values	Can be overridden by Registry value?	Description
INSTALLDIR	C:\Esko\Artios	Any directory path	Yes	Directory where ArtiosCAD installs. The Windows Installer picks the drive with the most free space if no location is specified.
USERFILES_DIR	C:\Esko\Artios\Designs or the path to \\server\share\Designs if a Defaults client or the User files directory of the most recently loaded version	Any directory path	Yes	Directory where user files are stored
DATABASETYPE	SQLExpress	MSDE SQLExpress	Yes	Database engine. Note that the silent installer does not

Switches	Default Value	Allowable Values	Can be overridden by Registry value?	Description
		Other		install a database engine itself.
AUTHMETHOD	sql	sql windows	Yes	Authentication method for SQL Server or Express Edition. Case-sensitive.
CONFSERVER	Current system name	Any valid system name	Yes	The ArtiosCAD Defaults server for an Advanced Client
DBSERVER	Current system name	Any valid system name	Yes	The ArtiosCAD database server for an Advanced Client
LMSERVER	Current system name	Any valid system name	Yes	The ArtiosCAD License server for an Advanced Client
INSTALLLEVEL	100	50 100 101	No	50 - Install ArtiosCAD Servers only 100 - Install ArtiosCAD, servers and ArtiosCAD 3D Data Exchange 101 - Install ArtiosCAD, servers, ArtiosCAD 3D Data Exchange, and Esko Configuration Manager
ADDLOCAL	ArtiosCAD_Programs_x64 Database_Controls Database_Controls_x64 Database_Server_x64 License_Server_x64 Defaults_Server_x64 ThreeD_Connection_x64	ArtiosCAD_Programs_x64 Database_Controls Database_Controls_x64 Database_Server_x64 License_Server_x64 Defaults_Server_x64 ThreeD_Connection_x64 EGSCS	No	Comma-separated list of features to install; provides finer control than INSTALLLEVEL
LMTYPE	Local	Local Server	Yes	Sets the FlexNet type. Once ArtiosCAD 12 or later is installed, ArtiosCAD 7.6 and

Switches	Default Value	Allowable Values	Can be overridden by Registry value?	Description
				later must use FlexNet licensing.
SYSTEMTYPE	Client	Standalone Server Client Advanced	Yes	The type of ArtiosCAD system
SERVERNAME	Current system name	Any valid system name	Yes	The ArtiosCAD Server for a Standard Client
UPDATE	True if there are other versions of ArtiosCAD loaded False if no other versions of ArtiosCAD loaded	True False	No	Whether or not this is an upgrade from a previous version of ArtiosCAD
UPDATEVERSION	Latest version of ArtiosCAD on the system not greater than this one	Any valid ArtiosCAD version	No	The version being upgraded by this installation
REBOOT	No default	Force Suppress ReallySuppress	No	Force: Forces a reboot at the end Suppress: Suppresses reboots unless forced internally by the installer ReallySuppress: Suppresses ALL reboots
PROGRAMMER-PASSWORD (no hyphen)	No default	Any valid password	No	For the database Programmer user
SAPASSWORD	No default	Any valid password	No	For the database SA user

5. Notes and examples

Specify as many switches as desired on the command line up to the limit of the command line length.

Switch /qn makes the installation silent. To show a user interface with progress bars only, use /qb instead. To show progress bars and a dialog box at the end, use /qb+.

The system may reboot at the end of the silent installation unless you specifically use the REBOOT=ReallySuppress switch.

When using the silent installer to reload the current version, you must add "REINSTALL=ALL REINSTALLMODE=vomus" to the switches.

Example 1

To run a silent installation in English using all the defaults from the media drive, assuming the media drive is D:, do the following at the command prompt with disk 1 of the ArtiosCAD media in the drive:

```
D:
cd \ArtiosCAD
setup /s /L1033 /v"/qn"
```

and press Enter.

Example 2

To run a silent installation in English for a Standalone system type using Oracle as the database and installing everything but the Esko Configuration Manager, type the following at the command prompt with the ArtiosCAD media in the D: drive:

```
D:
cd \ArtiosCAD
setup /s /L1033 /v"/qn DATABASETYPE=Other ADDLOCAL=ArtiosCAD_Programs,
Database_Controls,Database_Server,Defaults_Server,ThreeD_Connection"
```

and press Enter.

As the database type is set to **Other**, you also have to manually add the ODBC entry for ArtiosCAD on the **System DSN** tab of the ODBC Data Sources app in the Windows Administrative Tools folder of the Start menu. If you are using a 32-bit operating system, use the 32-bit version of the ODBC configuration app that ArtiosCAD will create.

Example 3

To run a silent installation from a batch file, two elements must be added to the `setup` command. Precede the `setup` command with `start /wait` and add the `/w` switch after it.

The command in a batch file to run a silent installation using all defaults is shown below.

```
start /wait setup.exe /w /s /Lcode /v"/qn"
```

To run a setup in a batch file that sets the installation directory to `L:\Artios` and the licensing type to FlexNet Local, use the following command inside the batch file. In the batch file it is all on one line.

```
start /wait setup /w /s /Lcode /v"/qn INSTALLDIR=L:\Artios LMTYPE=Local"
```

Example 4

Here is a real-world example from a school that installs the database engine, installs ArtiosCAD, and sets a custom network port for the licensing.

```
start "title" /b /wait "%~dp0ArtiosCAD\SQL2019ExpressInstall.bat"
start "title" /wait "%~dp0ArtiosCAD\setup.exe" /s /v"/qn INSTALLDIR=C:\Esko\Artios\
USERFILES\DIR=C:\Esko\Artios\Designs
DATABASETYPE=SQLExpress LMTYPE=Server SYSTEMTYPE=Standalone LMSERVER=<licenseserver>
REBOOT=ReallySuppress"
reg add hklm\software\wow6432node\artios /v LMPORT /t REG_SZ /d <portnumber> /f
```

6. SolidWorks

To install SolidWorks silently using the batch file, run `SolidWorksInstall.bat` on the separate SolidWorks media as an administrative user. If you have User Account Control (UAC) turned on, you must use an administrator command prompt to run the batch file; right-click the command prompt shortcut on the Start menu and choose **Run as administrator**. Otherwise, the batch file will appear to work correctly, but the software will not load correctly and the feature will fail in ArtiosCAD.

The batch file can accept two parameters, `INSTALLDIR` and `/s`. `INSTALLDIR` is the directory into which SolidWorks is installed; by default, it is `C:\Esko\Artios`. The `/s` switch causes the installer to be mostly silent; even when specified, some user interface elements may appear.

To remove the separate version of SolidWorks introduced in ArtiosCAD 7.6, run `SolidWorksRemove.bat` in the root folder of the separate SolidWorks media.

If you have purchased the SolidWorks option in a pre-7.6 version of ArtiosCAD and need to remove it without uninstalling ArtiosCAD, run `\ArtiosCAD\SolidWorksRemove.bat` on disk 1 of the ArtiosCAD media used to install it initially. The integrated version of SolidWorks is normally removed automatically when the last version of ArtiosCAD using it is removed.