



SafeSign Identity Client Minidriver Version 3.6

Silent Installation Guide



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About the Product

This competent all-rounder in terms of strong authentication, integration and compatibility gives you complete freedom and flexibility. Once rolled out, SafeSign Identity Client (IC) serves as the perfect guard for IT security and enables unlimited possibilities for securing your IT infrastructure.

SafeSign IC offers the most comprehensive support available on the market for (card) operating systems, smart cards, USB tokens, languages and functions. This means you have sustainable and permanent freedom of choice when it comes to manufacturer independence.

SafeSign IC enforces two- or multi factor authentication/logon to the network, client PC or application, requiring the end user to have both the USB token or smart card (something you have) and a Personal Identity Number (something you know). USB tokens and smart cards are physically and logically tamper-resistant, ensuring that the end user's digital credentials can not be copied, modified or shared. Authentication based on smart cards or USB tokens provides the highest degree of security.

SafeSign IC is available for both fixed and mobile devices like desktops, servers, laptops, tablets and smart phones. SafeSign IC is also found in Thin Clients, printers or any other devices requiring authentication.



1 About this Document

Silent installations allow the deployment of software without showing a user interface. If you want your software to run silently, it is possible to create a silent installer.

The aim of this document is to describe how to install SafeSign Identity Client Minidriver (henceforth referred to as SafeSign IC Minidriver) in silent mode / without user interaction.



2 Create a Silent Install

It is possible to perform a silent installation of SafeSign IC Minidriver Windows 64-bit.

This can be done by executing a command in a command line, using the <SafeSign>.msi file (where <SafeSign> is the full name of your SafeSign IC Minidriver installer, for example, “SafeSign IC Minidriver Windows x64 3.6.0.0-AET.000.msi”), where a few command parameters make a silent installation of SafeSign IC Minidriver possible.

2.1 Parameters

To find a list of relevant parameters for silent installation, you can run a complete installation, while a log file is created wherein all the properties that can be modified, will be logged.

Use the following command line (where “logfile.txt” is the name of the resulting log file) to create the log:

```
C:\>msiexec /i "SafeSign IC Minidriver Windows x64 3.6.0.0-AET.000.msi" /log logfile.txt
```

In this log file, the relevant properties / parameters can be found under “Property(S): ADDLOCAL = [features]”.

The sections below list the (relevant) ADDLOCAL features of SafeSign IC Minidriver that can be used to install SafeSign IC Minidriver silently.

2.2 SafeSign IC Minidriver 64-bit

A default (non-silent) installation of 64-bit SafeSign IC Minidriver Version 3.6 will install the following components:

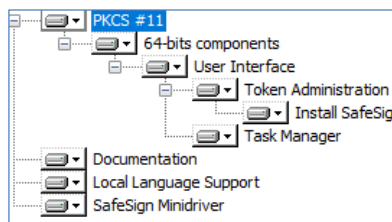


Figure 1: SafeSign IC 64-bits InstallShield Wizard: Custom Setup




For silent installation, these components match the following features listed in “ADDLOCAL:

Component Name	Feature	File Name	Location
PKCS #11	PKCS11	aetdlls1.dll aetjcss1.dll aetpkss1.dll aetpkssw.dll	SysWOW64 SysWOW64 SysWOW64 SysWOW64
64-bits components	x64_Common_dialogs	aetdlls1.dll aetjcss1.dll aetpkss1.dll aetpkssw.dll aetdlls1.dll aetjcss1.dll aetpkss1.dll aetpkssw.dll	System32 System32 System32 System32 SysWOW64 SysWOW64 SysWOW64 SysWOW64
64-bits components	x64	aetjcss1.dll aetpkss1.dll aetpkssw.dll aetdlls1.dll aetjcss1.dll aetpkss1.dll aetpkssw.dll	System32 System32 System32 SysWOW64 SysWOW64 SysWOW64 SysWOW64
User Interface	x64_User	aetjcss1.dll aetpkss1.dll aetpkssw.dll aetdlls1.dll aetjcss1.dll aetpkss1.dll aetpkssw.dll	System32 System32 System32 SysWOW64 SysWOW64 SysWOW64 SysWOW64
Token Administration	x64_TAU	aetjcss1.dll aetpkss1.dll aetpkssw.dll aetdlls1.dll aetjcss1.dll aetpkss1.dll aetpkssw.dll ssicfirefox.exe tokenadmin.exe	System32 System32 System32 SysWOW64 SysWOW64 SysWOW64 SysWOW64 Program Files\A.E.T. Europe B.V\SafeSign\ Program Files\A.E.T. Europe B.V\SafeSign\
Install SafeSign in Firefox	FireFox	aetjcss1.dll aetpkss1.dll aetpkssw.dll aetdlls1.dll aetjcss1.dll aetpkss1.dll aetpkssw.dll ssicfirefox.exe tokenadmin.exe	System32 System32 System32 SysWOW64 SysWOW64 SysWOW64 SysWOW64 Program Files\A.E.T. Europe B.V\SafeSign\ Program Files\A.E.T. Europe B.V\SafeSign\



Component Name	Feature	File Name	Location
Task Manager	x64Task_manager	aetcrss1.exe aetjcss1.dll aetpkss1.dll aetpkssw.dll aettask.dll aetdlss1.dll aetjcss1.dll aetpkss1.dll aetpkssw.dll	System32 System32 System32 System32 System32 SysWOW64 SysWOW64 SysWOW64 SysWOW64
Documentation	Documentation	SafeSign License Agreement pt_BR.pdf SafeSign License Agreement.pdf license.txt	Program Data\A.E.T. Europe B.V.\SafeSign IC Minidriver\Documentation
Local Language Support	Locales	Locales	Program Data\A.E.T. Europe B.V.\SafeSign IC Minidriver\Locales
SafeSign Minidriver	x64_RWMinidriver	aetkit1.dll aetsm1.dll aetrwcm1x.dll aetrwcm1x-cleanup.clnup aetkit1.dll aetsm1.dll aetrwcm1.dll	System32 System32 System32 System32 SysWOW64 SysWOW64 SysWOW64
-	GenericRegistry	["InstallationDirectory"="[INSTALLDIR]"]	HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\A.E.T. Europe B.V.\SafeSign\2.0

 Note that the installation of the features will also create the appropriate registry entries in HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\A.E.T. Europe B.V.\SafeSign\2.0.



3 Silent Install MSI Files

Note that the msi installers of SafeSign IC Minidriver are delivered as compressed (zipped) files, which needs to be extracted first, before being able to install the 64-bit version (“SafeSign IC Minidriver Windows x64 3.6.0.0-AET.000.msi”) in silent mode.

The minimal installation, i.e. the installation of the required components is described, as well as the full installation of all components.

3.1 SafeSign IC Minidriver 64-bit

Note that for installation and correct operation of SafeSign Identity Client Minidriver 64-bit, both the 32-bit and 64-bit (.dll) components need to be installed.

- ⚡ Note that lines should be kept together in a command prompt, even if there is a line break in the command prompt strings below.

3.1.1 Full Installation

Full installation:

```
C:\>msiexec /i "SafeSign IC Minidriver Windows x64 3.6.0.0-AET.000.msi" /qn  
ADDLOCAL=Locales,Documentation,x64_TAU,FireFox,GenericRegistry,PKCS11,x64,x64_User,x64Tas  
k_manager,x64_Common_dialogs,x64_RWMinidriver
```

3.1.2 Minimal Installation

Minimal installation with Minidriver only:

```
C:\>msiexec /i "SafeSign IC Minidriver Windows x64 3.6.0.0-AET.000.msi" /qn  
ADDLOCAL=x64RWMinidriver
```

Minimal installation with Minidriver and PKCS #11 only:

```
C:\>msiexec /i "SafeSign IC Minidriver Windows x64 3.6.0.0-AET.000.msi" /qn  
ADDLOCAL= x64_RWMinidriver,PKCS11,x64
```

3.2 Firefox

Note that installation of SafeSign IC (PKCS #11 Library) in Firefox does require user input. Therefore, in the above command lines, Firefox has been excluded. The Firefox Installer will not run and SafeSign Identity Client will not be installed in Firefox at that time. SafeSign IC can still be installed in Firefox at a later stage through the Token Administration Utility or manually.

If you do want to install Firefox during silent installation of SafeSign IC Client (even if it will require user input), add ‘Firefox’ to the ADDLOCAL entries.



3.3 Windows Security

During the installation of SafeSign IC Minidriver, Windows Security will ask for permission to install the SafeSign IC Card Minidriver software:



Figure 2: Windows Security: Would you like to install this device software?

In order to complete the installation of the SafeSign IC Minidriver, you need to click **Install**.

It is not possible to make this dialog silent with installation parameters, but in order to ensure that it does not appear during silent installation, you need to make the Card Minidriver's certificate available in the Trusted Publisher's store.

You can do so by running (non-silent) the SafeSign Identity Client Minidriver software and:

- Checking "Always trust software from "Advanced Encryption Technology Europe B..." (in dialog above), which will import the certificate in the Trusted Publisher Store, or
- Not checking this checkbox, but extracting the certificate from the Card Minidriver Catalog file (aetrwcm1.cat), installed in ProgramData\A.E.T. Europe B.\SafeSign\Minidriver, after installation is completed and import it in the Trusted Publisher store.

You can then export the certificate through the Windows Certificate Manager, so that it is available to be added to the Trusted Publisher store of the clients you want to install SafeSign IC Minidriver on. To install the Signing certificate, execute the following in a command prompt:

```
certutil -f -addstore "TrustedPublisher" "[name of exported signing certificate].cer"
```

3.4 Uninstall

In order to silently uninstall SafeSign IC Minidriver, use the following command lines for 64-bit:

```
C:\>msiexec /uninstall "SafeSign IC Minidriver Windows x64 3.6.0.0-AET.000.msi" /qn
```

3.4.1 Uninstall SafeSign Card Minidriver

To silently uninstall the SafeSign IC Card Minidriver, use the following command lines for 64-bit:

```
RunDll32.EXE setupapi.dll,InstallHinfSection DefaultUninstall 130 aetrwcm1-cleanup.clnup
```

Note that in order to ensure that all files are removed and no longer in use, a reboot is required. The value "130" means that users will be asked if they want to reboot. For other options, please refer to [https://msdn.microsoft.com/en-us/library/windows/desktop/aa376957\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/windows/desktop/aa376957(v=vs.85).aspx).