



AuthenTec, Inc.
Personal Security for the Real World™

Software Installer Guide

...for the Independent Software Vendor



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106 021 192
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Software Installer Guide for Independent Software Vendors **2080 Rev 1.2 (16 Aug 00)**

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Introduction

The *Software Installer Guide* provides a step-by-step procedure to be used by an Independent Software Vendor (ISV) to create a proprietary **Installer** program to install AuthenTec's Personal Authentication System (PAS) software in conjunction with a software product provided by the ISV.

The following information can be found in this document:

- **Binary files** - A list of the binary files shipped with the current version and brief descriptions of each.
- **Registry entries and other installer duties** - A list of the registry entries required to support the AuthenTec system, and any other actions the installer must perform.

Applicability

This edition of the *Software Installer Guide* is Revision 1.2 of the document. It replaces all previous editions with changes. The information in this document applies to all current versions of AuthenTec fingerprint sensor integrated circuits.

Binary Files

For all installations...

Table 1: PAS Binaries

FLSERVER. EXE	The main server program that provides PAS services to all applications.
FLRPC. DLL	The Dynamic Link Library file used to communicate with FLSERVER.EXE .
FLKeyHook. DLL	The Dynamic Link Library used to allow keyboard override of the hardware finger detection normally used in FLSERVER.EXE .
FLCNTRLAPPLET. CPL	The control panel for the PAS system.

For Microsoft® Windows® USB installations only...**Table 2: Additional Binaries for USB**

FLUSBDRV. INF	Used by Windows to locate and install the USB driver for the Fingerprint sensor device.
FLUSBDRV. SYS	The USB driver for the Fingerprint Sensor device.

Registry Entries and Other Installer Duties

1. Terminate all instances of **FLSERVER.EXE** that are currently executing. If this is not done, the conversion will fail and existing databases will not be preserved.
2. Check to see if the following installation record key exists:

`HKEY_LOCAL_MACHINE\Software\Authentec\Setup\InstalledVersion`

If this key exists, verify that the number is less than the value of the version to be installed. If the installed version is newer (higher), the **Installer** should exit.

If the key does not exist, this is a new installation.

3. If the version to be installed is higher, the **Installer** should query the user about preserving the existing database. If an existing database is to be preserved, query the database location key and save its value. This key is:

`HKEY_LOCAL_MACHINE\Software\Authentec\Setup\FLDatabaseDir`

If the database is not to be saved, use the key to locate the database files and delete them. The name of the default database is **FingerLocTS.dat**. If any additional database files are used, it is the responsibility of the application to remove them.

4. In order to remove any old or invalid keys and key values, the **Installer** should now delete the main key and all sub-keys:

`HKEY_LOCAL_MACHINE\Software\Authentec`

5. Copy the binary files (listed in [Table 1](#) in the preceding section) into the folder for the application. If the application is redistributing the AuthenTec Control Panel, that file (**FLCNTRLAPPLET.CPL**) should now be installed in the proper location for the operating system on the target machine.
6. For Universal Serial Bus (USB) installations, two additional files (see [Table 2](#) in the preceding section) must be available on the distribution medium.
7. Set up the required sub-keys. The location of the database is defined by the key:

[HKEY_LOCAL_MACHINE\Software\Authentec\Setup\FLDATABASEDIR](#)

This is a string key, containing the path to the directory in which the local database is stored. If the existing database is to be saved (refer to Step 2 in this list) the value from the previous key should be placed in the new key.

The **Installer** must convert the existing database to the format of the new version by calling the AuthenTec conversion DLL, **FLDSConvert.DLL**.

Set up the executable location key:

[HKEY_LOCAL_MACHINE\Software\Authentec\Setup\FLSERVER](#)

This is a string key containing the path and filename of **FLSERVER.EXE**. Normally, this file is stored in the same location as the user application's program files.

The software does not require the system to reboot in order to use the PAS system.



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