Documentation

Installation & Configuration

signotec Virtual Channel Driver

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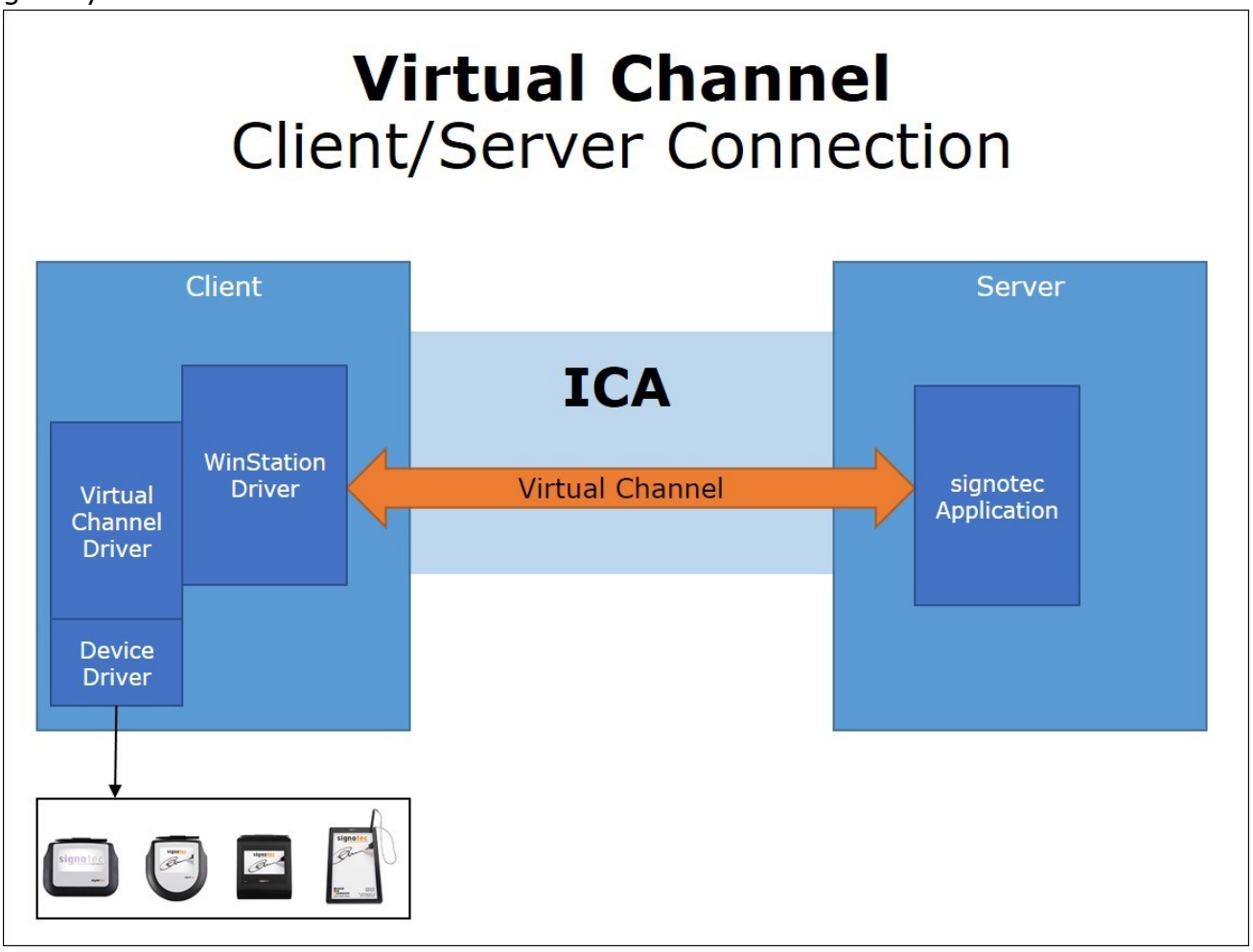
Document history

Version	Date	Agent	State / Remark
1.0.0	27.12.17	Andreas Brockmöller	Documentation created
1.0.1	25.07.18	Andreas Brockmöller	Chapter 4: Added info regarding generic USB redirection

1. Product description

The virtual Channel Technology offers a fast, easy and stable way to provide locally attached signotec signature pads (USB-HID, WinUSB, FTDI) to a Citrix ICA remote session. The use of the classical COM-Port redirection is not needed any more.

The signotec Virtual Channel Driver creates a communication channel between Client and Server, through which the data traffic between software solution and signotec signature pad is passed. This exclusive connection speeds up the data transfer and reduces the latency. Through data compression the network traffic can also be reduced greatly.



2. Requirements

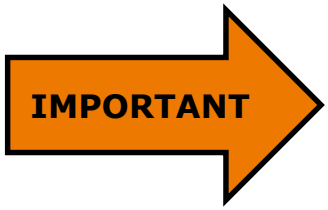
The installation of the signotec Virtual Channel Driver requires local administrative privileges.

The driver is supported for the following operating systems in 32- and 64-Bit:

Operating system	32 Bit	64 Bit
Windows XP	not supported	not supported
Windows Vista	not supported	not supported
Windows 7	supported	supported
Windows 8	supported	supported
Windows 10	supported	supported

On the server side it is required to have at least XenApp 6.5 / XenDesktop 5 while the client side requires an installation of an ICA client like Citrix Receiver / Citrix Online PlugIn from version 13.0 onwards.

Supported signotec signature pads are signotec Sigma, signotec Omega, signotec Alpha, signotec Gamma and signotec Delta in USB-HID / WinUSB / FTDI variant.



Up to two virtual channels can be created per client and used within a Citrix ICA terminal session.
Microsoft RDP sessions are not supported.

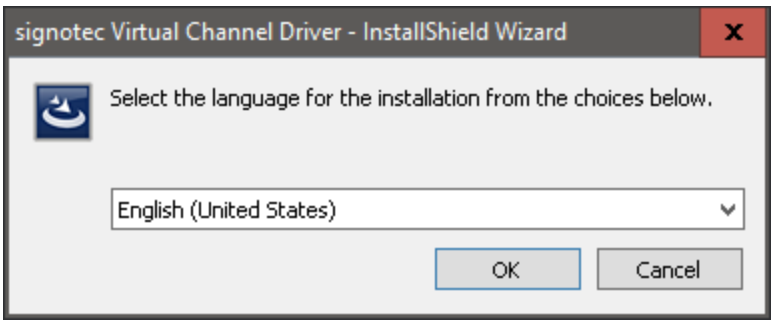
3. Installation

IMPORTANT

An update from the demo version to the full version of signotec Virtual Channel Driver is not possible. Please uninstall the demo version before installing the full version.

The installation of the signotec Virtual Channel driver has to be performed with the privileges of a local administrator. If the User Access Control (UAC) is in use, please confirm the upcoming security message accordingly.

Before the setup wizard is shown, please select the language which should be used for the setup process. English and German can be chosen.

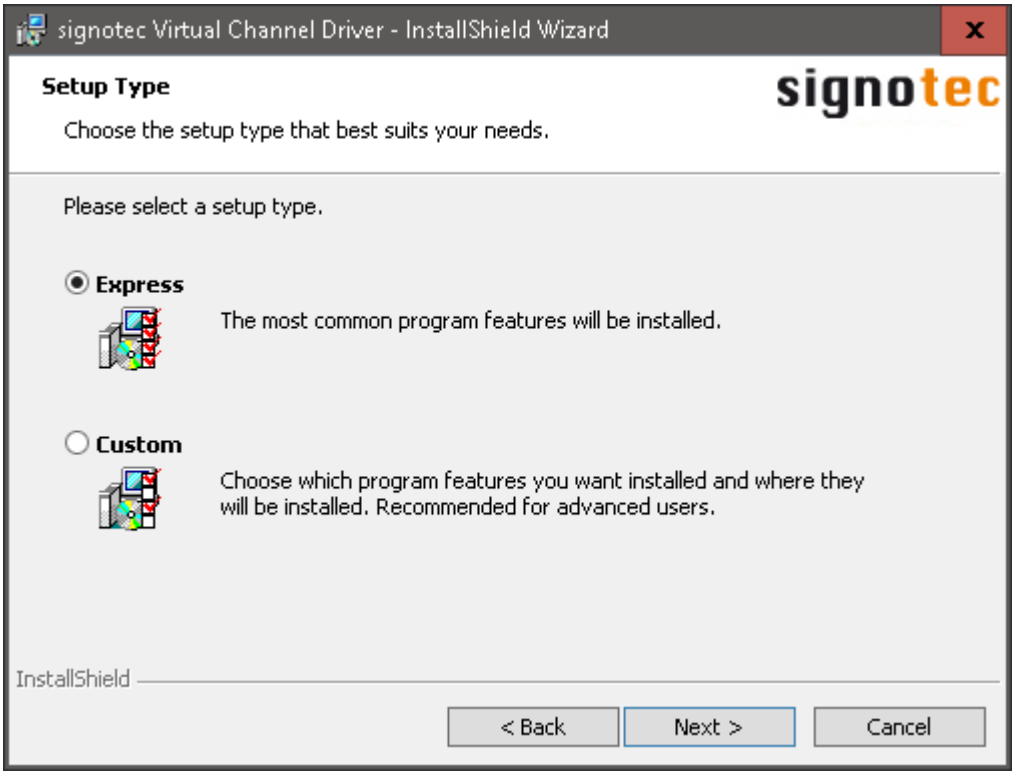


Please confirm your selection by pressing OK.

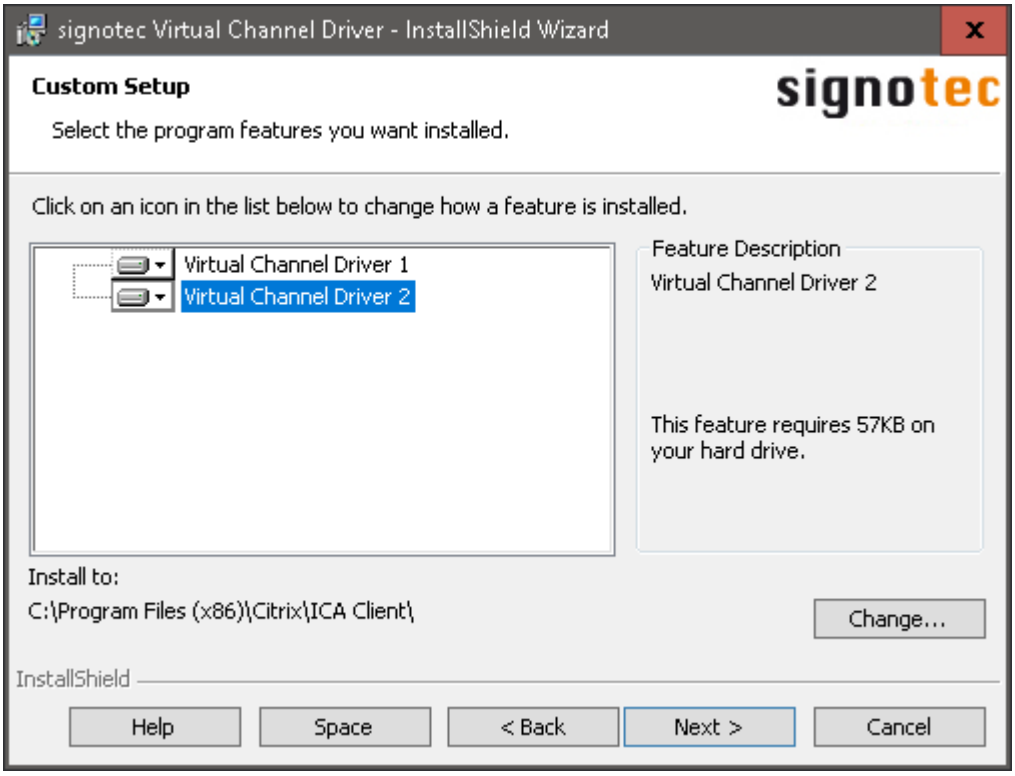
Please click on Next >.

The license agreement will be shown. Read it carefully and if you accept the terms, please check the box that says I accept the terms in the license agreement.

Please click on Next >.

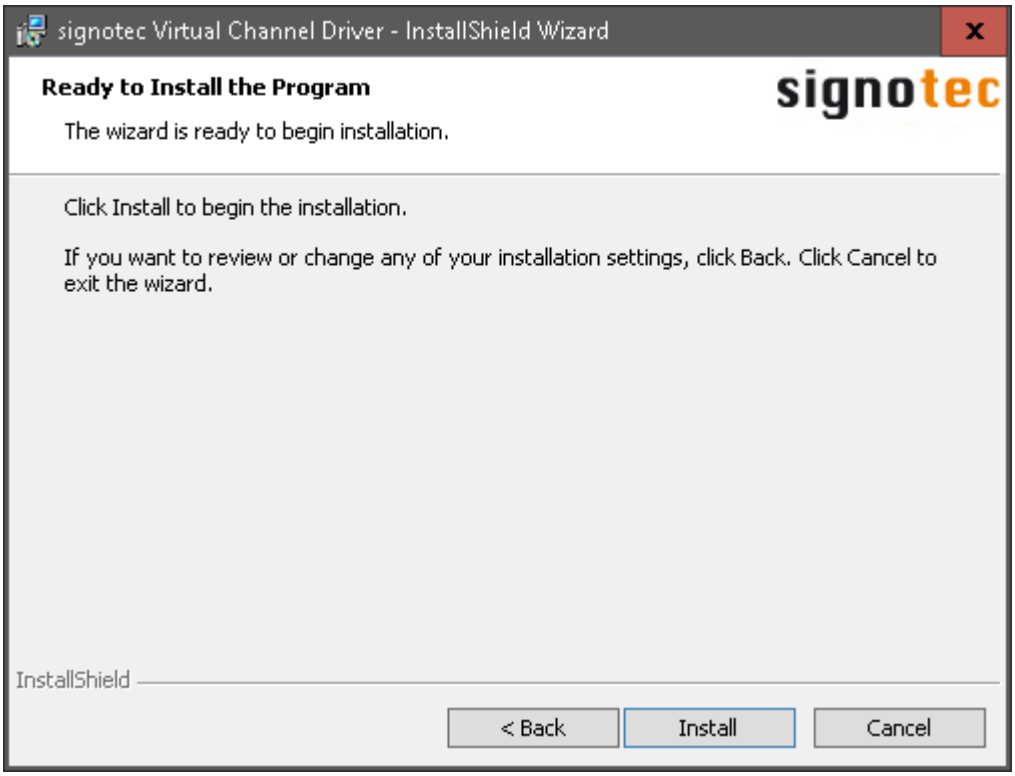


For the usage of a single virtual channel, the Express installation type can be chosen. If a second virtual channel is needed, please choose the Custom installation type.

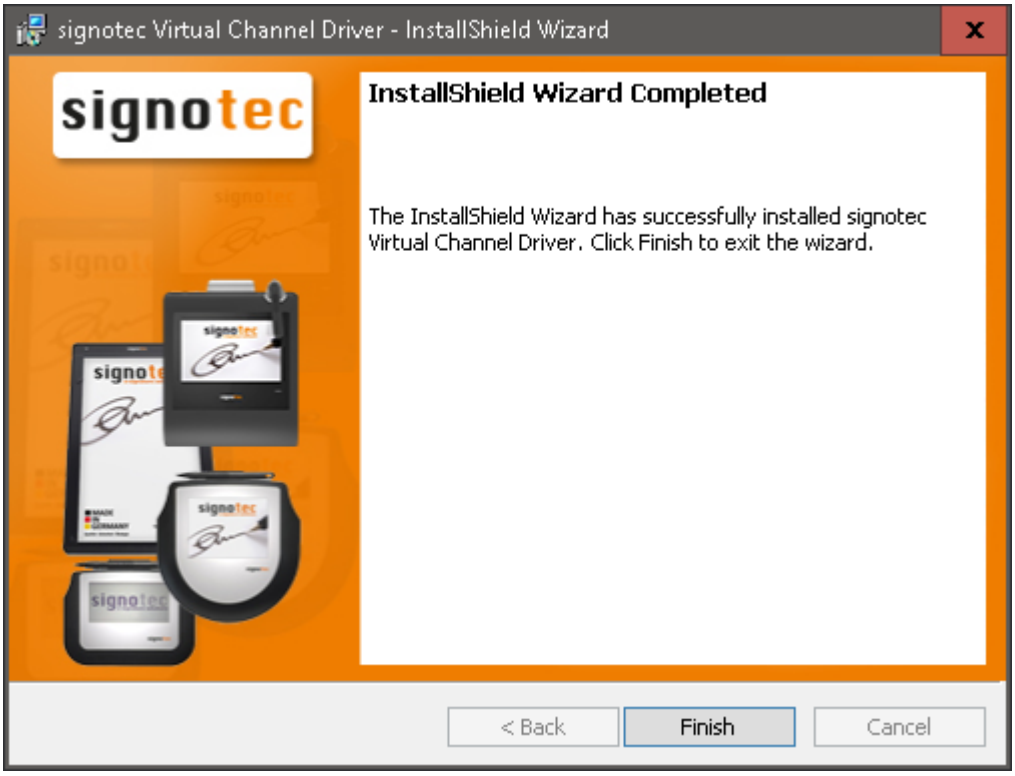


Please click on Next >.

Now the setup is ready to install the signotec Virtual Channel Driver.



Please click on Install.



After the setup is completed, you can close the setup wizard by clicking Finish.

3.1. Silent installation

A silent installation of the signotec Virtual Channel Driver can be carried out if there is a need not to show any dialogues during the installation process. Except a windows security warning which needs to be accepted, no further user interaction is required.

In order to carry out the silent installation, a command prompt has to be opened as administrator. Please change to the directory in which the setup is located.

The installation can be started in silent mode with the following command. The orange marked parts have to be adjusted in regards to the setup version and the path where the setup is located.

Path\signotec_Virtual_Channel_Driver_X.X.X_32Bit.exe /s /v"/qn"

Example:

3.2. Silent uninstallation

A silent uninstallation of the signotec Virtual Channel Driver can be carried out if there is a need not to show any dialogues during the uninstallation process.
Except a windows security warning which needs to be accepted, no further user interaction is required.

In order to carry out the silent uninstallation, a command prompt has to be opened as administrator. Please change to the directory in which the setup is located.

The uninstallation can be started in silent mode with the following command. The orange marked parts have to be adjusted in regards to the setup version and the path ewhere the setup is located.

Path\signotec_Virtual_Channel_Driver_X.X.X_32Bit.exe /s **/x** /v"/qn"

Example:

4. Configuration

Further configuration of the signotec virtual Channel Driver is not necessary.

Within a Citrix ICA terminal session any supported and connected signotec signature pad (USB-HID, WinUSB or FTDI) on the client side can be accessed and used.

The search for signotec signature pads provided to the terminal session through the signotec Virtual Channel Driver has to be made on COM-Ports / serial devices, as the signotec Virtual Channel will always be shown on COM-Port 1 (COM1) within a Citrix ICA terminal session. Please note that even though the signature pad may be in USB-HID / WinUSB mode on the client side, it will only be found on a serial Port in the terminal environment.

If the custom installation type is chosen in order to make a second virtual channel available to the Citrix ICA terminal session, please note that the second virtual channel will show on COM-Port 2 (COM2).

4.1. Citrix generic USB redirection

If the signotec virtual channel driver is used in parallel to Citrix generic USB redirection, a policy for denying the signotec signature pads has to be configured. The easiest way to achieve this is by configuring the policy by VendorID.

Example for denying USB redirection for all signotec signature pads:

```
DENY: vid=2133 # signotec signature pads
```

Further information on adding and configuring USB policies can be found within the Citrix documentation.

5. Licensing

Licensing the demo version of signotec Virtual Channel Driver is not possible.
In order to use the full version, the demo version has to be uninstalled before the full version is to be installed.

As the signotec Virtual Channel Driver is a paid software, please get in touch with sales@signotec.de in order to receive the full versions setup.