Documentation

Installation & Configuration

signotec Virtual Comport Daemon

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Change Log

Version	Date	Person responsible	Status / Note
1.0	23.01.14	Levent Öztürk	Documentation created
1.1	06.06.14	Levent Öztürk	Chapter 2.2.1 , 2.2.2 added
1.2	18.10.16	Andreas Brockmöller	Adjusting the design
2.1.0	26.04.2024	Valentin Tkachev	Adjustings

1. Requirements

The installation of signotec Virtual Comport Daemon requires the following dependencies to be installed to the system:

```
- libusb >=1.0.9

- socat
```

The following signature devices are supported in their HID-USB version: Sigma, Omega, Alpha and Gamma.

2. Installation

The installation of signotec Virtual Comport Daemon for Linux can be carried out by installation via script or by manual installation of the necessary components. Both variants are described in the following.

Open the directory containing the installation package and unzip the files. In order to start the installation, please open the Terminal.

After extracting the package you will find a folder for 32-bit architecture (**x86**) and a folder for 64-Bit architecture (**x64**).

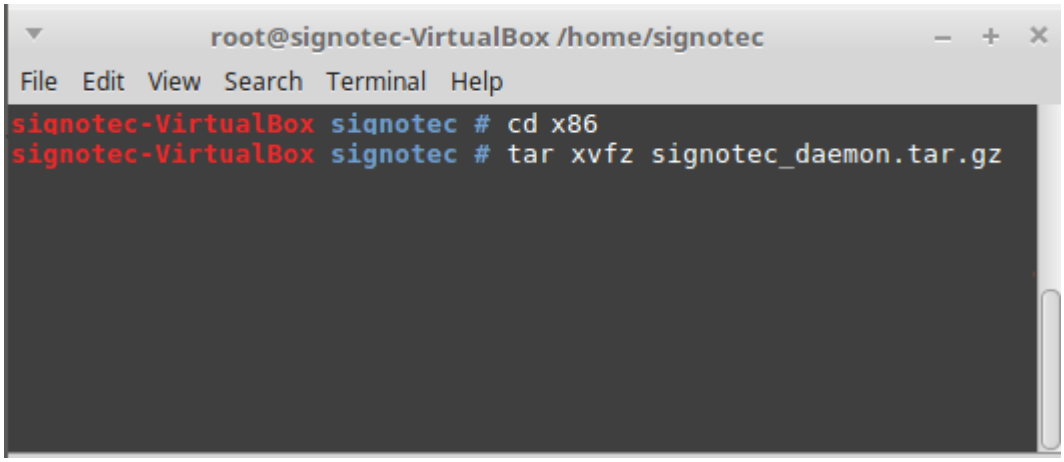
The installation can be started by the following command:

```
cd x64

tar xvfz signotec_daemon.tar.gz
```

The orange marked part has to be configured regarding to your system architecture.

Example for an installation on a 32-Bit Linux:



In the next step the installation needs to be carried out. Please follow the instructions for the installation via script or the instructions for a manual installation.

2.1. Installation via script

After extracting the Daemon the installation can be started with the included install script:

```
sudo ./install.sh
```

Please follow the instructions of Chapter 3 Configuration.

2.2. Manual Installation

The installation of signotec Virtual Comport Daemon can also be processed manually.

The extracted directory has to be moved to **etc/signotec** **/etc/**

The following command can be used in the Terminal:

```
sudo cp -rf etc/signotec /etc/
```

The extracted directory **usr/local/signotec**
has to be moved to **/usr/local/signotec**

The following command can be used in the Terminal:

```
sudo cp -rf usr/local/signotec /usr/local/
```

After copying the necessary files please make sure to set the proper permissions for executing shell scripts.

The following command can be used in the Terminal:

```
sudo chmod a+x /usr/local/signotec/bin/*.sh
```

Please follow the instructions of Chapter 3 Configuration.

3. Configuration

3.1. Permissions

The local user has to be added to the **dialout** group in order for the signotec virtual Comport Daemon to work properly.

The following command can be used in the Terminal:

```
sudo  adduser username dialout
```

3.2. Interface names

The name of the newly created virtual, serial interface can be changed if needed.

The following command can be used in the Terminal:

```
sudo vim /etc/signotec/signotec.cfg
```

The signotec.cfg configuration file contains the following default entries after installation, which can be changed if needed:

```
COM1=/dev/ttyS1
COM2=/dev/ttyS2
```

4. Starting and stopping the Daemon

4.1. Starting the Daemon

```
sudo  /usr/local/signotec/bin/start.sh
```

4.2. Stopping the Daemon

```
sudo  /usr/local/signotec/bin/stop.sh
```

4.3. Testing the Daemon

After the Daemon has been started successfully, the shell script for testing the communication **test.sh** can be started.

```
sudo  /usr/local/signotec/bin/test.sh
```

4.4. Logging

The log-file **signotec.log** will be created automatically in the directory **/var/log/** after the Daemon started successfully.

5. Uninstallation

The uninstallation of the signotec virtual Comport Daemon can be made through removing the proper components manually.

The following command can be used in the Terminal:

```
sudo rm -rf /usr/local/signotec
sudo rm -rf /etc/signotec
```