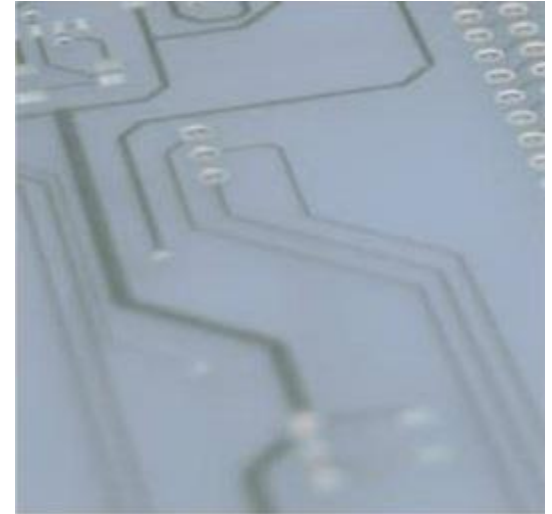
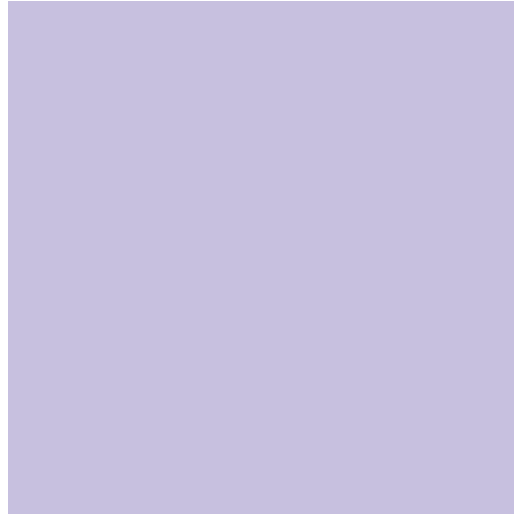
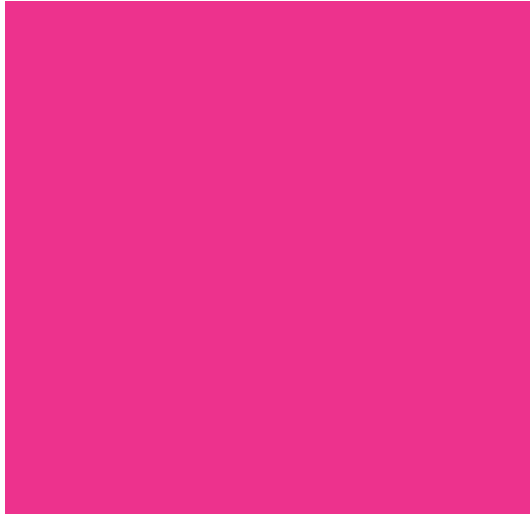
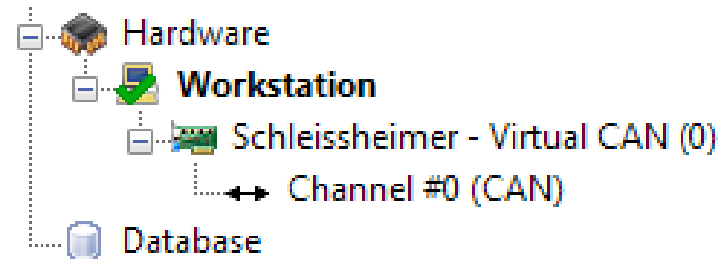


CanEasy

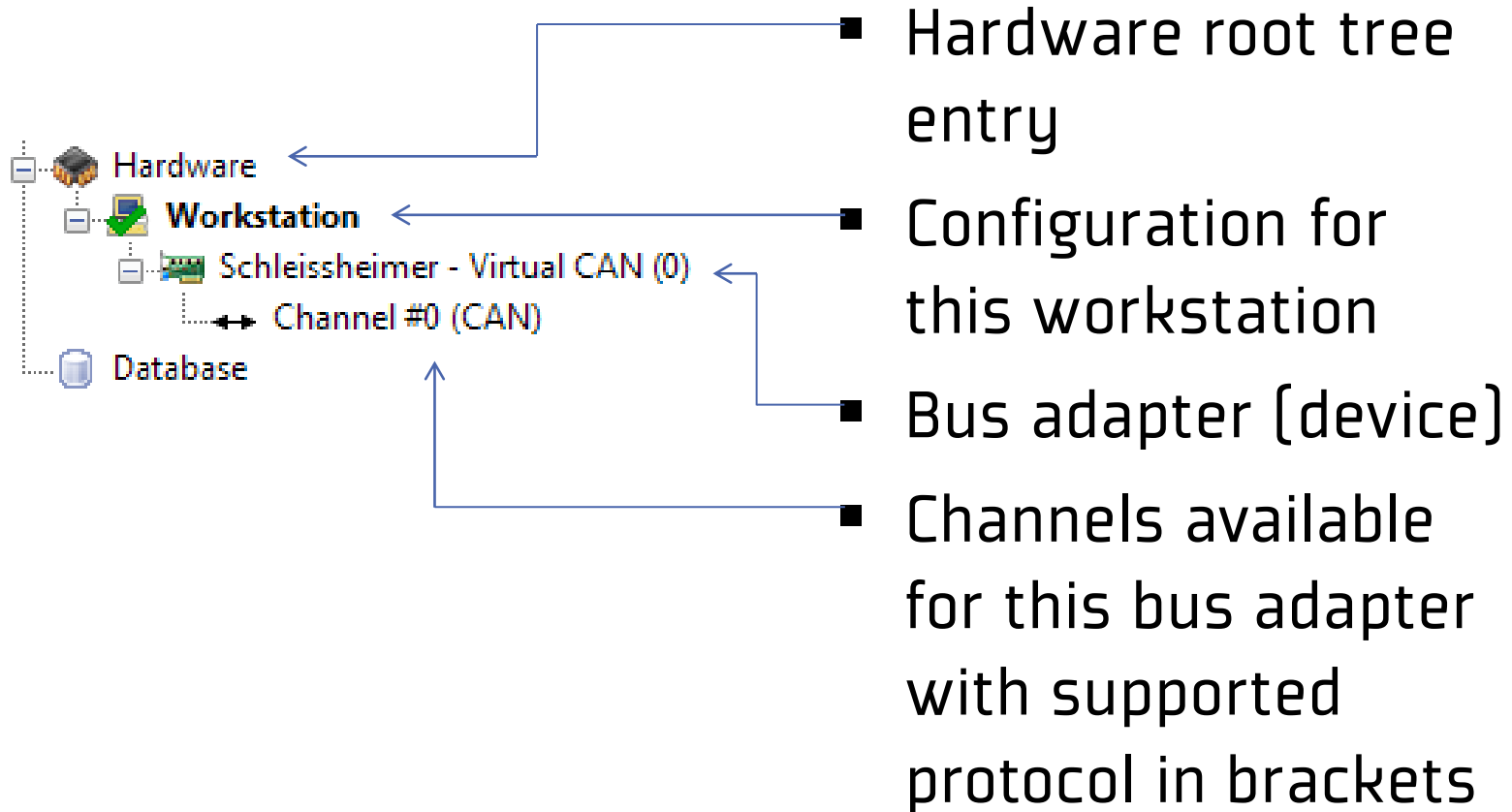
Hardware configuration



- CanEasy supports bus adapters of different vendors
 - IXXAT
 - Kvaser
 - Melexis
 - National Instruments
 - PEAK-System
 - Softing
 - Vector Informatik
- All bus adapters are managed using the "Hardware" tree entry
- The "Workstation" tree node contains the local configuration of your computer
- Add devices manually or use auto detection

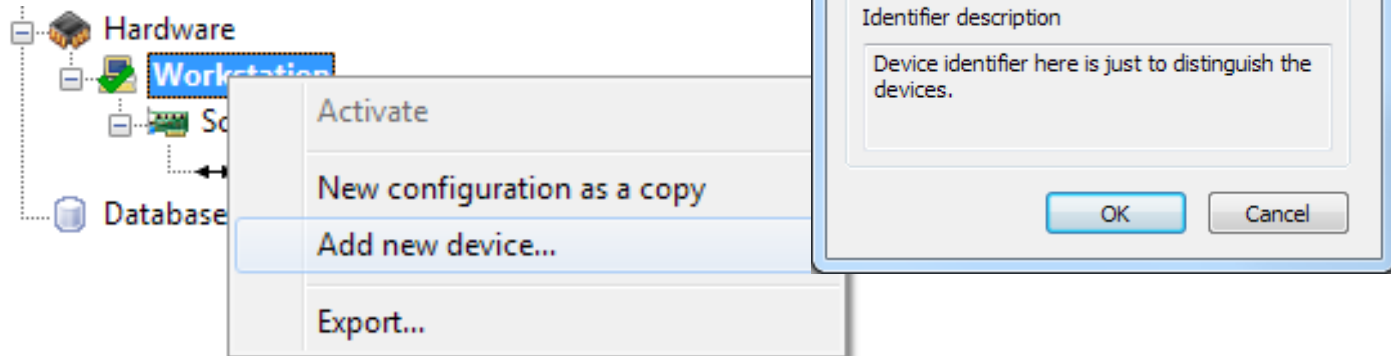


Hardware – Basics

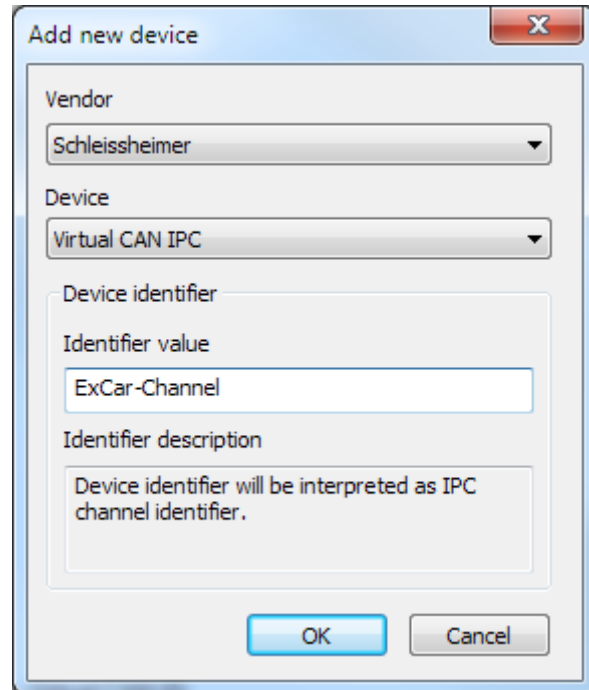


Add new device manually

- Via the context menu, new devices can be added
- Choose the vendor and the device you want to use
- If you use more than one device you must also set the identifier value (e.g. serial number)



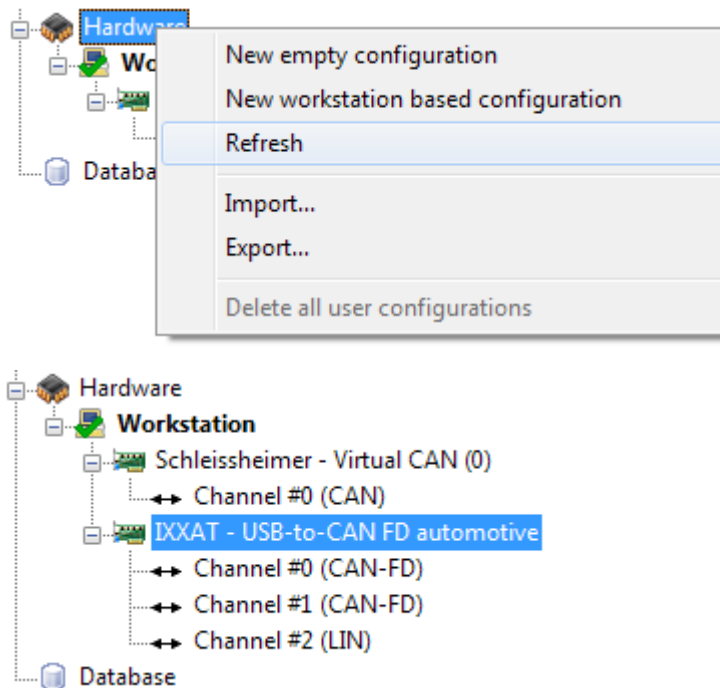
Create ExCar-Channel



- To communicate with our simulated instrument cluster (Example-Car) use the device "Virtual CAN IPC" with the device identifier "ExCar-Channel"
- Starting our Example Car, you will directly be able to receive and to transmit CAN frames

Auto detect bus adapters

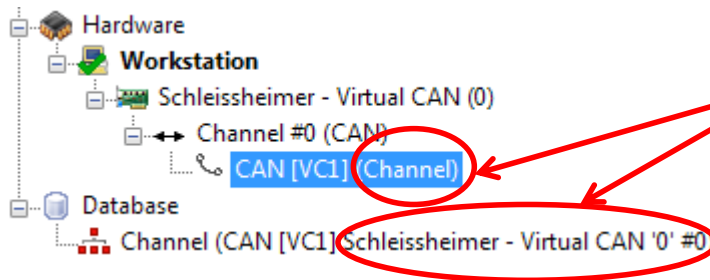
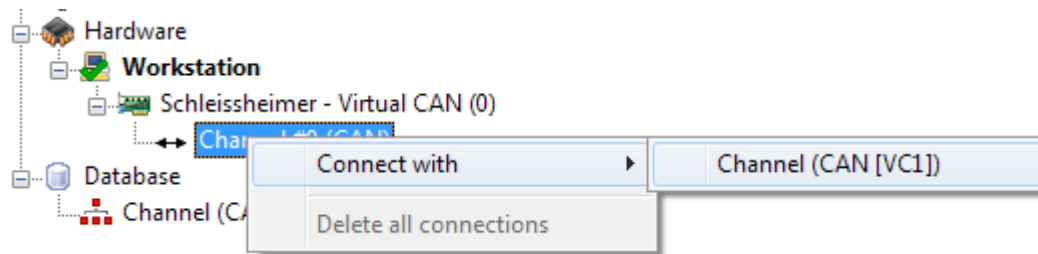
- To auto detect all connected devices, right-click on the tree entry "Hardware" and select "Refresh".



- Detected devices are added under "Workstation"
- Behind the device channels, the supported protocol is shown in brackets

Connect to database channel

- To use the bus adapter the database channel must be connected to some hardware channel
- Open the context menu of the hardware channel select "Connect with" and choose the database channel



■ You can see connected channels on both places

- The mapping between database and hardware channels is abstracted by virtual channels
- This allows using the workspace on other computers with different bus adapters

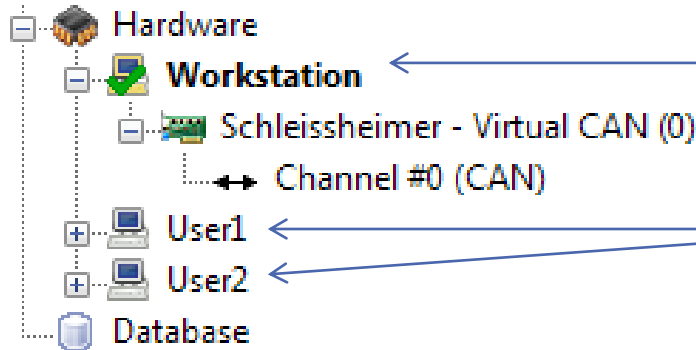
Virtual channel	Computer 1	Computer 2
CAN 1	Tiny CAN Channel 1	IXXAT Channel 1
CAN 2	Tiny CAN Channel 2	IXXAT Channel 2
LIN 1	IXXAT Channel 3	Melexis LIN Master

Where are the hardware settings

- Till now we only used hardware configuration for your workstation
- This configuration is shared by all users working on that workstation
- Configuration path:
%ALLUSERSPROFILE%\CanEasy\CanEasy.xml

Multiple hardware configurations

- Every user can create it's own hardware configuration
- User created configurations are stored in the CanEasy workspace
- This allows sharing a workspace between multiple users where every user can have it's own hardware setup

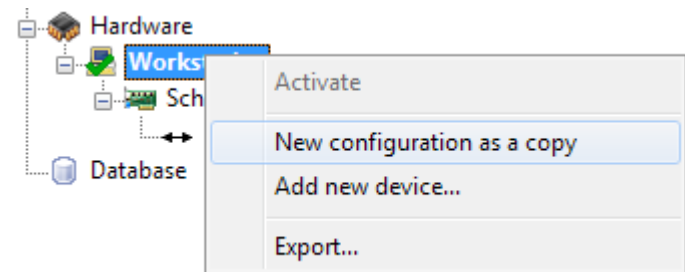
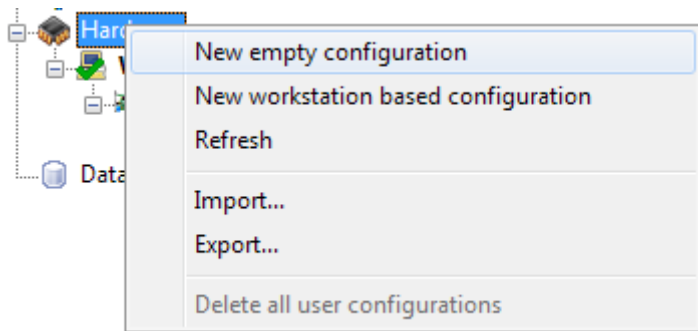


■ Configuration shared by all users

■ User created configuration stored in workspace

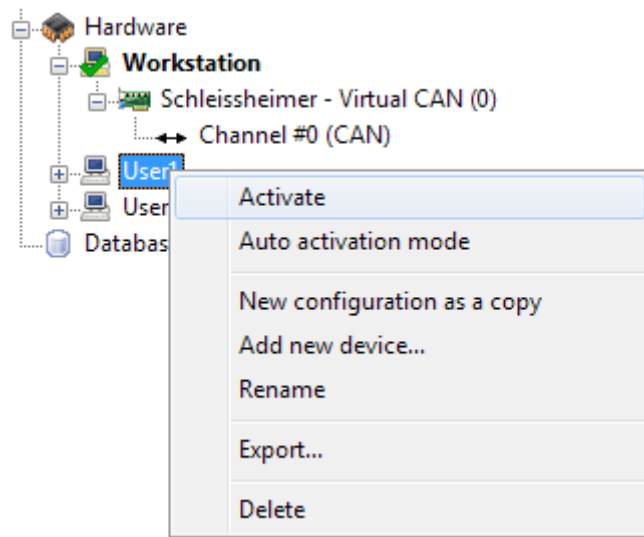
Create hardware configuration

- To create an own hardware configuration you can
 - Create an empty configuration or
 - Create a copy of your workstation



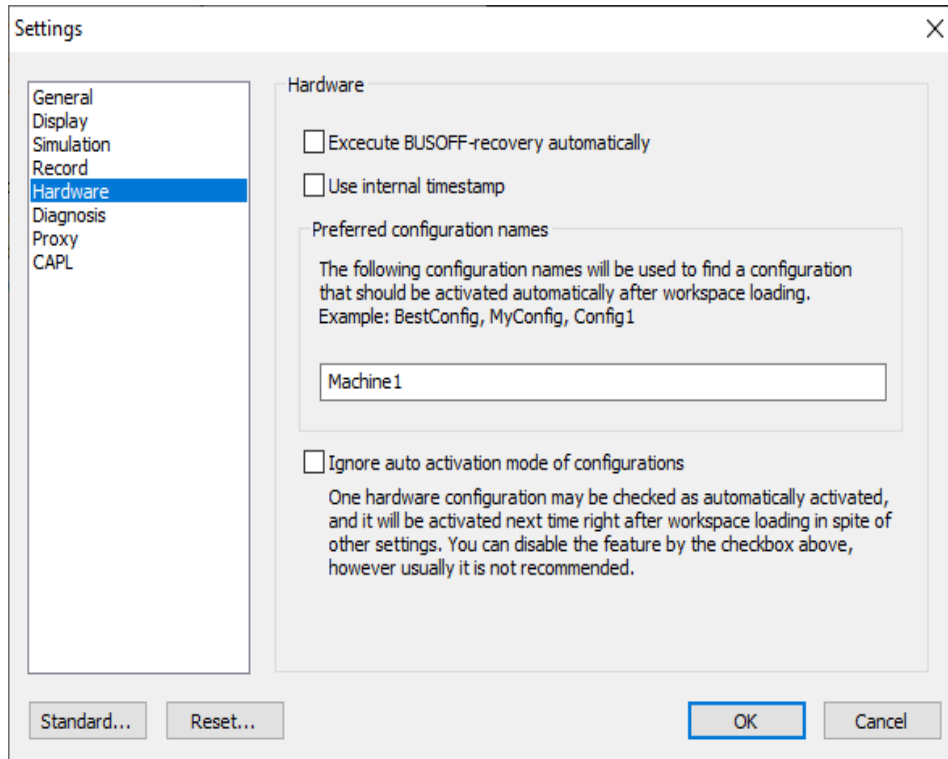
Active configuration

- Having multiple configurations you need to define the one to be used
- The active configuration is displayed in bold letters



- Use "Auto activation mode" to activate this configuration every time the workspace is loaded
- This allows to setup one hardware configuration for every user

Active configuration



- Using the CanEasy settings, users can configure the configurations they want to activate after loading a workspace
- This allows to share a workspace between users which are using different bus adapters

Thank you for your attention!
