

Install and Configure ESS on Windows OS

Assuming a functional CIB-tech Network cableing installation.

First CAN-USB interface must be plugged in and FTDI driver for USB Serial Port installed.

Step 1:

Install PostGreSQL 8.1 or 8.2 - default install

Step 2:

Create PostGreSQL DB

"createdb.exe -U postgres canlogging"

"createlang.exe -U postgres -d canlogging plpgsql" - usually language is added already, just to be sure.

Edit PostGreSQL files

data/pg_hba.conf:

IPv4 local connections:

host	all	all	127.0.0.1/32	trust
host	canlogging	postgres	193.231.162.0/24	trust

data/postgresql.conf

listen_addresses = '*' # what IP address(es) to listen on;

Step 3:

Launch ESSDatabaseAdmin:

- login (ignore 2 errors at first login)
 - select Database/Create Tables
 - select all left -> add to right -> press Create Tables
 - check command line window in background for:
- ```
SQL: Successfully created table motionmarks
SQL: Successfully created table ug2ap
SQL: Successfully created table ug2ap_audit
SQL: Successfully created additional functions...
```

- Refresh/All Tables --> in order to get a refreshed view

Lower Tabs:

- Daemon/Scripts -> Monitors -> CANMonitor -> check serial port in OS (COM?), if not same as in DeviceManager for USBSerialPort needs to be changed accordingly in ESS CANMonitor/Monitor param
- Daemon/Scripts -> Scripts -> SocketConnection -> copy all after last "." from ParamString
- Users Add/Users/User -> e.g. Username ESSUSER -> IButton paste from ParamString, leave rest default
- Users -> Rules -> Add Rule -> Main Rule, leave all default
- Rule Editor -> Location Rules, select rule -> Functions, select all functions - save (Functions are hidden at the right)
- Daemon Users -> Users/ESSUser add to Daemon IBS, grant all rights
- Devices/Locations -> Add/Locations/Zone = Main Zone
- Devices/Locations --> Add/Locations/Room = Main Room to main zone

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Configuration of Devices:

## ESSDBAdmin:

- Physical Devices/Get Devices -> lists all found devices

## Meaning of ParamString:

05,0101000013AB

05 = address of equipment, has to be unique in network, e.g. IP Adress

is not allowed to be 00, is 00 from delivery.

Two options to change address:

1. pressing button on equipment provides a popup in DBAdmin to change this one and only address.
2. usually all addresses in a new installation will be changed via "Set device addresses" This address is important and should not be changed later on, if by any reason it needs to be changed for one device this should be changed accordingly in the list of devices/locations as well

## Register devices:

- register each device to a room at physical devices tab.

GUI may contain special chars, name should not. Description leave empty at this point

## Enable device for logging (history):

## Events/CANLogging

Add/CANLogging for a single device or Add/CANLogginEX for group (type) of devices

- assign device for log, should choose correct logging type, e.g. relay logging for an access point makes less sense.

## ESSQTClientAdmin:

- create min 1 form, only forms which contain at least one device will show up in ESS Client.

- Edit/Add device to form

- Options / Create form backgrounds - draw custom layout. Drag devices in desired place

## Register Access Point Cards:

## ESSQTUserAdmin (Admin = ESSUSER/):

- create group:

- set access for group

- max. 8 access schedules per group can be set

- Add User/s and assign to group

- hold card to reader a popup will show up

- double-click user and select card id in new popup and chose Register ID, Add Card in User properties and save

- start IButtonLoader Script in order to synch device with server