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CANtrace 4.0

This release adds support for CAN-FD messages when using Kvaser interfaces. Long CAN-FD messages can be received and displayed in the trace window, signals from long CAN-FD messages can be decoded and shown in the data and graph tabs. There is also full support for logging and playback of CAN FD messages in ASC format.

A number of usability features have also been added. We made small updates on layout of the trace tab, so CANtrace looks even better when you open it. And now you can see the line numbers for exceptions from the Python code.

In addition, Log Playback now supports better file experience. Selected extension is saved in the registry and will be automatically selected the next time you open the Log Playback File dialogue. Also, text in the data tab has also been enlarged to make it easier to read in the field.

This release of CANtrace also officially supports Windows 11 and all CANtrace functionality can be used without an Internet connection.

There's also a number of minor fixes.

New and Changed Functionality

- #1109 – Update file extensions for the Log Playback
- #1484 – Support CAN FD Data Display
- #2002 – Dlc column is too narrow to display dlc larger than 9
- #2284 – Fill trace tab with the blue background color
- #2439 – Add line numbers to exceptions in status bar
- #2496 – Add support for Windows 11
- #2535 – CANtrace fully usable offline
- #2540 – Add Python performance requirements
- #2566 – Log and Playback of long CAN FD messages in the ASC log file
- #2600 – Increase font size in Data Tab

Bugfixes

- #1447 – The clear text message name is attached to the wrong message
- #1675 – Database information in the log file as comments are displayed without // comment sign
- #1798 – Last line in trace windows not always visible
- #1867 – The Help button in Add Signal dialogue opens Send Tab help
- #1916 – Possible to configure log playback with no file selected
- #2110 – Signal Settings can be changed without having a signal selected
- #2124 – DBC Log Settings can be changed while on bus

- #2142 – Trace not on menu bar after starting CANtrace
- #2143 – Remove the "Signal Color" option from the "Configure Signals" window
- #2160 – Error in SDO abort code interpretation.
- #2276 – LSS commands interpreted as heartbeat messages
- #2322 – Database on channel 0 cannot be re-associated to channel 1
- #2445 – Display type drop down allows text input and produces error
- #2453 – Very small numbers in scientific notation are displayed incorrectly