

SimTecc 2.17.0

Release notes

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Revision history

Rev	Date	Author	Comments
1	2017-08-29	Daniel Boström	-

1. General information

While there are a couple of exciting new features introduced with this release of SimTecc the main focus has been on improving the stability and fixing bugs.

When upgrading from an older version of SimTecc make sure to read the Backward compatibility section first.

2. Backward compatibility

The C# namespace has changed to reflect our new company name. This means C# based applications need to be rebuilt using the new C# libraries.

IMPORTANT! Configuration files and registry entries are now located under CrossControl instead of maximatecc. This means if any of CCSimTech 2.6.1 through CCSimTech 2.9.1 has been installed in the past, there might be interference from old configuration files or registry entries. It is recommended to clean this up manually before installing SimTecc 2.17.0.

The x86 components that have a x64 version as well export slightly different names in the dll:s which means applications built using SimTecc 2.13.0 or earlier need to be rebuilt using the new header and source files in the SimTecc SDK folder. For applications that cannot be rebuilt for some reason a set of backward compatible dll:s is included. Please refer to the documentation for more information.

If upgrading from SimTecc 2.13.0 or earlier please uninstall it manually before installing the latest version.

3. New features

- BusTool
 - Added possibility to save and load an auto reply configuration.
- SimSocket
 - Added network events which allow notification of socket readiness for reading and writing as well as socket closure, incoming connections and completed connections. At the moment this feature is only available for local sockets, not sockets using the SimSocket Bridge.
 - Packets received by the SimSocket Bridge are now included in SimSocket Monitoring and can be analyzed in Wireshark.
 - Number of DHCP table entries and multicast groups are now configurable from SimSocket Configurator.
- TimeSync
 - Number of TimeSync units is now configurable.
 - The API has been changed; TimeSyncStartTime is no longer used, instead use TimeSyncStartEx. Also TimeSyncRegisterUnitEx and TimeSyncGetMode have been added.
 - Tasks may now be started with a delay in multi core mode as well.

4. Bug fixes and other improvements

- BusTool
 - To avoid running out of memory BusTool now supports up to 10 000 000 messages in the log, then it has to be cleared before the logging may continue.
- SimCan Configurator
 - When exiting, the user is only asked to save if there have been actual changes.
 - If the configuration contains an IXXAT or Kvaser adapter but the driver is not installed, the interface will be removed from the configuration.
 - Message box at start-up alerting the user of missing IXXAT driver has been removed, a message is displayed on the status bar instead.
 - It is no longer possible to add an IXXAT or Kvaser interface to the configuration if no adapter is attached or no driver is installed.
 - Fixed bug with “move up” and “move down” buttons allowing the same interface to appear twice on the same CAN net.
 - Various other minor fixes.
- SimSerial
 - Will wait indefinitely to access shared data like other SimTecc components.
- SimSocket
 - SimBind can now determine if an address/port is already in use when INADDR_ANY is provided as address input.
 - SimRecvFrom and SimRecvMsg set the correct error code when an attempt is made to use an unbound socket.
- SimSocket Bridge
 - Fixed memory leaks.
- TimeSync Control Panel
 - The occasional exit crash has been fixed.
 - Which mode of TimeSync that is currently in use is displayed on the title bar.
 - Hitting the Enter or Escape key will no longer exit the application.
- TimeSync Multicore
 - Tasks respond to a delay at the correct time.
 - Simulated time and global clock are now adjusted correctly.
 - Tasks no longer execute immediately when started (first time execution) regardless of any existing delays etc.
 - Tasks are now aware of newly started tasks up until the time where they are supposed to execute which means delays in the newly created tasks can be handled.
 - Various other minor tweaks and fixes.

5. Licensing

SimTecc requires a license, if you have used an earlier version of SimTecc and still have a valid license installed it will get detected automatically by this version of SimTecc.

With the introduction of two licensing levels, User and Developer, as of SimTecc 2.7.0 any license purchased prior to that will be treated as a Developer license with no limitations.

If you don't have a license please consult the documentation on how to obtain one.

6. Testing

All new features and bug fixes have been tested thoroughly. However we strongly recommend that you perform your validation testing of the new release in your application before releasing for commercial use.

