TRACE32 Simulator License

2026-10-28 - Comments (0) - Setup / update

Which Features of the TRACE32 Instruction Simulator need a TRACE32 Simulator License?

The following features are affected:

- Larger PRACTICE scripts running on the TRACE32 Instruction Simulator.
- Controlling the TRACE32 Instruction Set Simulator via the TRACE32 Remote API.
- Controlling the TRACE32 Instruction Set Simulator via a third-party tool integration.
- Controlling the TRACE32 Instruction Set Simulator as a TCF agent.
- Controlling the TRACE32 Instruction Set Simulator via the TRACE32 GDB API.
- Decoding a raw trace recording using `LA.IMPORT`

When is a TRACE32 Simulator License needed?

The TRACE32 Instruction Set simulator allows performing 50 script commands/API operations after the first "single-step" or "Go". If you want to perform further script commands/API operations a TRACE32 Simulator License is needed.

Customers, who have a hardware-based TRACE32 debugger, can use it to license the TRACE32 Instruction Simulator.

If the hardware-based TRACE32 debugger is connected to the host computer by USB, the following lines have to be added to the TRACE32 config file:

```
PBI=*SIM
USB
```

If the hardware-based TRACE32 debugger is connected to the host computer by Ethernet, the following lines have to be added to the TRACE32 config file:

```
PBI=*SIM
NET
NODE=<node_name>
```

License for Trace

A **trace decoder license** is required to decode a raw trace stream with the `LA.IMPORT` command; e.g. when the raw data was recorded with `Trace.EXPORT` or captured by an external tool.

No license is required in the following cases:

- Loading a trace file that was previously saved with `Trace.SAVE` (via `Trace.LOAD`). The trace is already decoded.

- Using the simulator's `Analyzer` to view recorded traces within the simulator.

If the simulator is connected to a PowerDebug unit whose license module contains a trace license, the trace decoder can be used with `LA.IMPORT` without any limitations. Otherwise, TRACE32 tries to check out a trace decoder floating license when the decoder is used.

Characteristics of the TRACE32 Simulator License

- Floating license which is to be used with the Reprise License Manager.
- Architecture-specific license.
- TRACE32 standard software warranty applies.