How can I start TRACE32 in Simulator Mode?

2026-08-11 - Comments (0) - Setup / update

TRACE32 PowerView can be launched as an **Instruction Set Simulator** (ISS). For an overview of supported architectures and features of the TRACE32 Instruction Set Simulator, visit https://www.lauterbach.com/products/software/instruction-set-simulator

Note

Some features of the TRACE32 Instruction Set Simulator require a license. Refer for more information to Simulator Licenses

The steps for starting TRACE32 in simulator mode depend on the connection method used.

Classic Connection Mode

In Classic Connection Mode, TRACE32 uses a configuration file (typically named `config.t32`, located in the TRACE32 installation directory) to define startup parameters.

To start TRACE32 as an Instruction Set Simulator, add the following line to your configuration file:

```
PBI=SIM
```

Note

Ensure that this configuration block is separated from other blocks in the file by at least one empty line.

For detailed information on setting up the configuration file, refer to the TRACE32 Installation Guide.

Using T32Start (Windows only)

On Windows systems, you can use the **T32Start** utility to configure and launch TRACE32 PowerView.

- T32Start provides a graphical interface to select simulator mode and other parameters.
- It generates a temporary configuration file and starts TRACE32 with the selected settings.

For more details, see the document T32Start.

Interactive Connection Mode

If using **Interactive Connection Mode**, you can choose the simulation mode directly from the TRACE32 PowerView user interface during startup.

Refer to the chapter **"Interactive Connection Mode"** in the PowerView User's Guide for step-by-step instructions.