TRACE32 GDB frontend : enable SMP support for OpenOCD

2026-04-03 - Comments (0) - Setup / update

To enable SMP (Symmetric Multi-Processing) debugging in OpenOCD, the **hwthread** pseudo-RTOS must be enabled. This feature allows OpenOCD to represent multiple cores as individual threads, making them accessible for debugging.

To enable **hwthread**, it must be passed as the **rtos** parameter when creating the target configuration:

```
$_TARGETNAME configure -rtos hwthread
```

For further details, consult the following sections of the OpenOCD User's Guide:

- 20.6: RTOS Support
- 20.7: Using OpenOCD SMP with GDB

With these modifications, the TRACE32 GDB frontend can be used to debug a target via OpenOCD in SMP mode. All cores within the target will be visible and manageable through the GDB interface.