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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.