Debug

GDB

- GDB Quick Reference (pdf)
- my .gdbinit

```
set print pretty on
set listsize 32
set breakpoint pending on
set tcp connect-timeout 4

define hook-quit
    set confirm off
end

# signals
handle all print
handle SIG32 nostop noprint pass

# set sysroot <build-path/sysroot-dir>
# set solib-search-path bla:and:bla
# cd <build-path>
# file ./<app>
target remote 192.168.11.10:2345

# C++ exceptions
# GCC: break __cxa_throw
# catch throw
# catch throw std::*
catch throw std::out_of_range

# breakpoints
b main
b abort
b std::terminate

c
```

Lauterbach TRACE32

Links

- Lauterbach Documentation
- PRACTICE Reference Card
- Linux Debugging Reference Card

Commands

- start of debugger

```
t32m* [-c <conf> [arg]] [-s <script> [arg]]
```

Files

- ~/t32.cmm: start-up script, searched in PATH

Examples

- start-up script

```
;RADIX Hex

Break.Set \\vmlinux\traps\die /Onchip
Break.Set __do_user_fault /Onchip

MENU.ReProgram
(
  ADD
  TOOLBAR
  (
    TOOLITEM  "Start <app> debugging" "do
~~/demo/arm/kernel/linux/linux-3.x/app_debug.cmm <app> /dialog"
    [

BBB  BBB  BBB
B B  B B  B B
B B  B B  B B
BBB  BBB  BBB
B B  B    B
B B  B    B
B B  B    B

    ]
    TOOLITEM  "Start <other> debugging" ":pgo" "do
~~/demo/arm/kernel/linux/linux-3.x/app_debug.cmm <other> /dialog"
    SEPARATOR
    )
)

TOOLBAR ON
STATUSBAR ON
FramePOS 0.0 3.75 234. 56.
WinPAGE.RESet
```

```
 WinPAGE.Create P000
 WinCLEAR

 WinPOS 0.25 32.875 148. 11. 32. 1. W001
 WinTABS 13. 0. 20. 0. 0. 20. 0.
 ws.BREAK.LIST

 WinPOS 0.0 0.0 148. 41. 22. 1. W000
 WinTABS 10. 10. 25. 62.
 ws.DATA.LIST

 WinPOS 114.13 33.0 156. 11. 31. 1. W003
 WinTABS 24.
 ws.SYMBOL.AUTOLOAD.LIST

 WinPOS 164.63 0.0 67. 29. 5. 0. W002
 wl.Frame

 WinPAGE.select P000

ENDDO
```

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