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## [Linux] On-chip breakpoints do not stop the program execution during kernel boot

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On-chip breakpoints can be removed by the kernel during boot:

- The Linux kernel resets on **Arm** the breakpoints as well as the **Vector Catch Register (VCR)** when booting if **CONFIG\_HAVE\_HW\_BREAKPOINT** is enabled in the kernel configuration. See `arch//kernel/hw_breakpoint.c`. This can be detected on Armv8 by enabling the option **TrOnchip.Set TDA ON**.
- A similar problem can also be seen on **Intel x86** when the debug registers are cleared during boot. Please refer to `arch/x86/include/asm/debugreg.h`. This can be detected by enabling the option **TrOnchip.Set GeneralDetect ON**.