IMP UPDATE:

Modern profiling and performance analysis on the Linux OS – use the **eBPF** (extended Berkeley Packet Filter) toolset. The toolset includes the bcc package and bpftrace. They do minimally require Linux 4.x (sometimes even more recent, like 4.7).

eBPF/bcc Resources:

- Linux Extended BPF (eBPF) Tracing Tools, Brendan Grega
- Learn eBPF Tracing: Tutorial and Examples (B Gregg)
- [kernel-level] A thorough introduction to eBPF, Matt Fleming, LWN, Dec 2017
- <u>How io uring and eBPF Will Revolutionize Programming in Linux</u> 21 Apr 2020 8:49am, by Glauber Costa