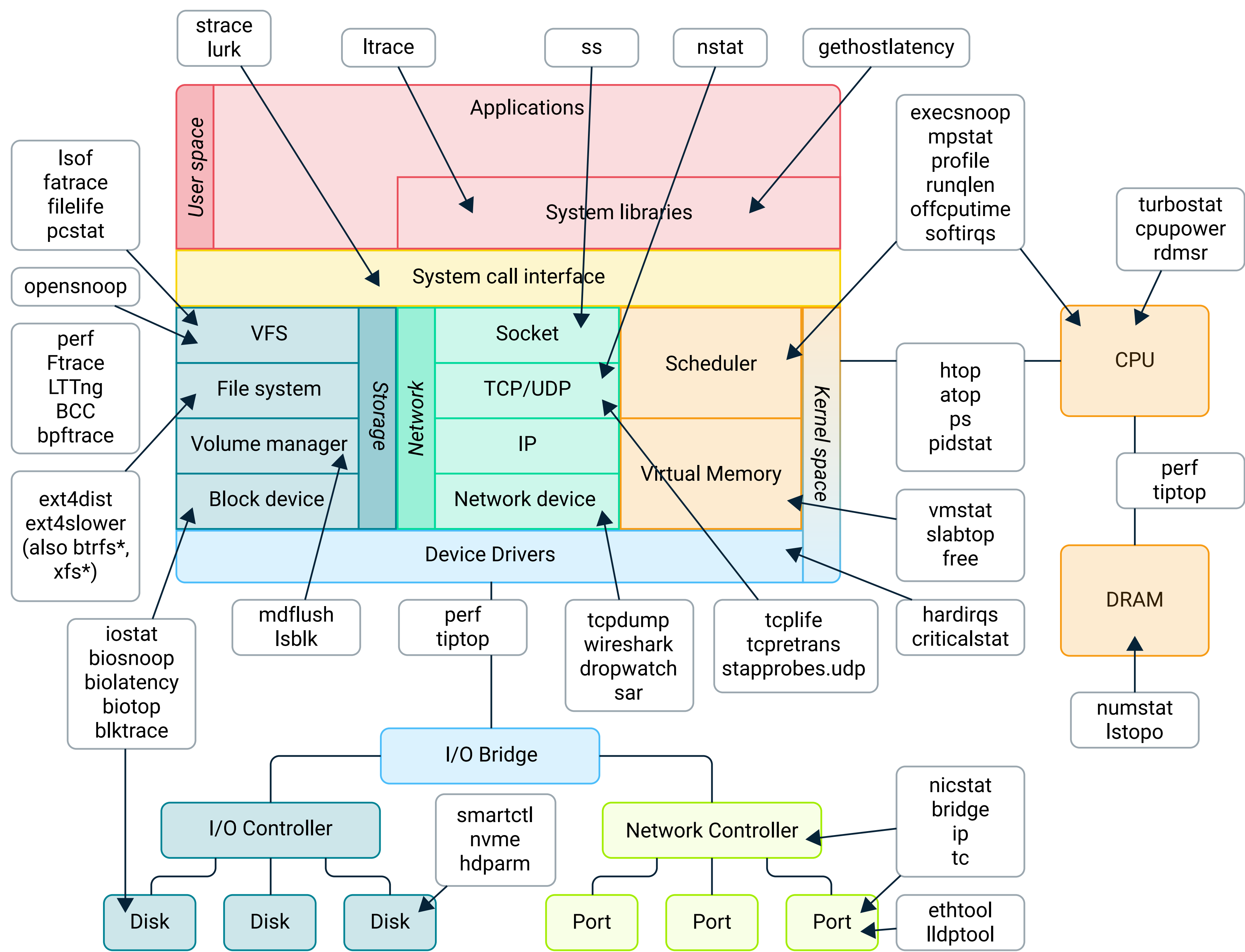


based on work of Brendan Gregg



- atop/biotop** - top like utility for I/O

BCC/bpfttrace - compilers for Kprobes programs

biolatency - shows block device I/O latency

biosnoop/blktrace - traces block device I/O

ip/tc/bridge - iproute2 utilities for network stack

cpupower - examines and tunes CPU power savings

criticalstat - reports atomic sections in kernel

dropwatch - shows the reason for packet drop

ethtool - shows NIC hardware stats

execsnoop - traces the usage of exec() calls

ext4dist/ext4slower - traces FS operation latency

fatrace - reports file access events

filelife - traces short lived files

free - shows memory usage

ftrace - internal kernel tracer
- gethostlatency** - shows issues with host's resolution

hardirqs - reports time spent servicing HW interrupts

hdparm - access hardware disk registers

htop - top like utility w/ extra info

iostat - shows I/O vs transfer stats

lldptool - reads and sends LLDP information

lsblk - lists all block devices

Isof - lists currently open files

Istopo - shows system HW

LTTng/lurk/strace/ltrace - traces program sys/libcalls

mdflush - traces flush events by md devices

mpstat - prints CPU usage stats

nicstat - prints NIC statistics

nstat - monitors kernel SNMP counters

numastat - shows NUMA memory stats

smartctl/nvme - reads S.M.A.R.T data

offcpu - summarizes off-CPU time
- opensnoop** - traces open() syscalls

pcstat - gets page cache stats

perf - performance analysis tool

pidstat - monitors tasks managed by Linux

ps - shows current processes

rdmsr - reads CPU specific registers

runqlen - summarizes scheduler queue length

sar - collects and reports system stats

slabtop - displays kernel slab cache info

softirqs - shows time spent servicing soft IRQs

ss - reports ports binding

stapprobes.udp - used for probing UDP activity

tcpdump/wireshark - powerful network sniffer

tcplife - traces TCP sessions lifespan

tcpretrans - traces issues with TCP

tiptop - displays hardware performance counters

turbostat - shows CPU HW stats

vmstat - reports global resource stats usage