



Last (less than a) Year in Libvirt

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v1.2.9..v1.2.18

- ▶ 2477 commits
- ▶ 108 authors

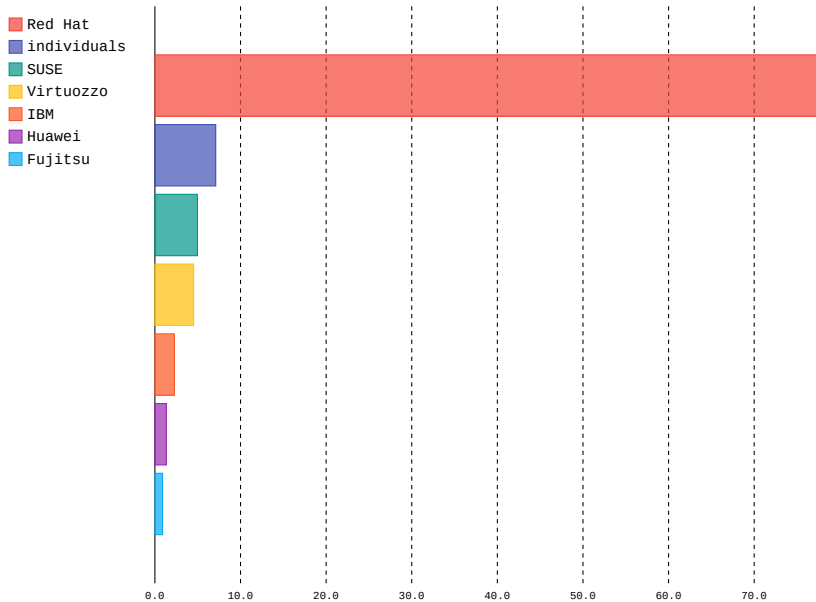
- ▶ 46 new contributors

v1.1.3..v1.2.9

- ▶ 3111 commits
- ▶ 131 authors



Main Contributors



Most Active Areas

Shared code infrastructure: util, conf, storage, security, ...

Hypervisor drivers

- ▶ qemu
- ▶ vz (parallels)
- ▶ vbox
- ▶ libxl
- ▶ lxc



Memory Hotplug

New Features in QEMU Driver

- ▶ it's not ballooning
- ▶ matches real hardware
- ▶ native guest OS support, no drivers
- ▶ NUMA aware



I/O Threads

New Features in QEMU Driver

- ▶ virtio-blk dataplane (virtio-scsi in development)
- ▶ dedicated threads for I/O processing
- ▶ defined at startup or hotplugged
- ▶ pinning to host CPUs
- ▶ assigning I/O threads to individual disks



Migration Events

New Features in QEMU Driver

To avoid

- ▶ polling every 50ms
- ▶ lots of debug messages logged
- ▶ longer downtime



Other Improvements in QEMU Driver

- ▶ NUMA cleanups and fixes
- ▶ enhanced support for AArch64 and Power architectures
- ▶ more guest side APIs using QEMU guest agent (setting passwords, listing filesystems)



Other Changes

- ▶ admin API
- ▶ ci.centos.org



The End

