Last (less than a) Year in Libvirt

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Statistics

v1.2.9..v1.2.18
- 2477 commits
- 108 authors
- 46 new contributors

v1.1.3..v1.2.9
- 3111 commits
- 131 authors
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