QEMU Status Update

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Numbers!

- 3 releases
- 50 maintainers
- 408 contributors
- 623 merges

(as of QEMU 2.10)

Numbers!

- 311 bug reports (Reported-by)
- 6482 reviews (Reviewed-by / Acked-by)
- 7565 commits
- 154031 lines of code

Numbers!

- 10 Coverity defects remaining (density 0.01)
- 105 defects fixed
- 23762 new lines of tests

- 14 CVEs (in the commit messages)

Accelerators!

- Multi-threaded TCG (2.8, 2.9)
- --disable-tcg (2.10)
- HAXM (2.9), Hypervisor.framework (in review)

Crypto!

- virtio-crypto
- LUKS support
- Migration over TLS

Deprecation!

- Hosts
  - Operating systems: AIX, Solaris 9 and earlier
  - Architectures: HPPA, ia64, m68k
- Targets: unicore32-linux-user

- Supported: Linux, Win32, NetBSD
- Volunteers needed: *BSD, Solaris, Haiku

Continuous integration

- Patchew, Travis, Shippable
- Docker and VM-based tests
  - Cross-compilation
  - Multiple distribution and OSes

New website

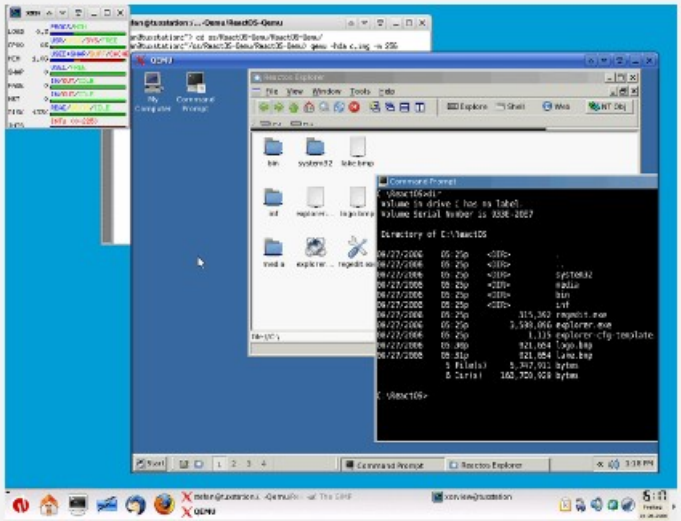
DOWNLOAD CONTRIBUTE DOCUMENTATION BLOG

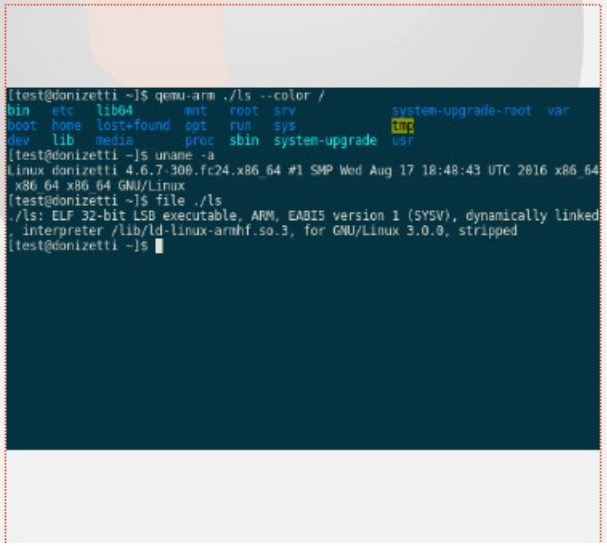
QEMU

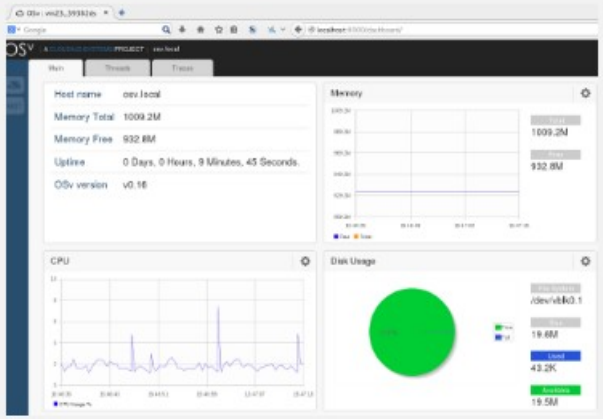
the FAST! processor emulator

What is QEMU?

QEMU is a generic and open source machine emulator and virtualizer.







Outreach

- Outreachy Summer 2017 (1 intern)
- Google Summer of Code (5 interns)

Outreach

- QEMU backup tool (Ishani Chugh)
- Generic PCIE-PCI bridge (Aleksandr Bezzubikov)
- Hypervisor.framework support (Sergio Gómez)
- I/O throttling and write notifiers as filters (Manos Pitsidianakis)
- MTTCG performance improvements (Pranith Kumar)
- Virgl Windows driver (Nathan Gauër)

Next year?

- Documentation
- Block layer!
- Fuzzing
- …