

bhyve update

FreeBSD Vendor Summit 2014

neel@freebsd.org
grehan@freebsd.org

bhyve

- bhyve is a hypervisor for x86 guests
- Part of the FreeBSD base system
- First released with FreeBSD 10.0
- Guest support
 - FreeBSD, Linux, OpenBSD, NetBSD

New features in 2014

- AMD/SVM processor support
- 32-bit x86 guest support
- Intel APIC-virtualization
- ZFS boot via bhyveload
- libvirt and nova-compute integration
- Documentation

Work in progress

- UEFI
- Netmap backend for emulated NICs
- SR-IOV virtual function passthrough
- Intel 82580 NIC emulation
- xHCI USB controller emulation

Roadmap

- VGA emulation
- Windows guest support
- Virtual machine snapshot
- Live migration

Community

- Code, testing, equipment contributions
- bhyvecon Tokyo 2014
- Google Summer of Code
- Vendor uptake and contributions

Thanks!