

# Virtualization Working Group

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# Agenda

- General status update
- Virtio + VMWare drivers - bryanv@
- Xen - royger@
- Bhyve device emulation - Leon Dang
- Audience: anything else ?

# Status - bhyve

- In 10.0/amd64
  - CURRENT features/fixes being MFC'd
- grub2-bhyve in ports
  - For most modern Linux 64-bit distros
- FreeBSD 32-bit guest support

# Status - bhyve UEFI

- Fork of Intel EDKII, OVMF build target
  - For bhyve instead of Qemu
  - Includes “CSM” BIOS emulation
    - For non-EFI aware o/s's
- Being moved to a public git repo
  - Buildable on FreeBSD (need port help)
- Serial console:VGA being worked on

# Status - bhyve net

- e1000/e1000e (82580) dev emu in progress
  - multiq, jumbo frames, TSO
- Patches for netmap backend support
- Thinking about:
  - “user-mode” using WANProxy/libuinet
  - simple kernel eth switch

# Status - bhyve block

- zvol GEOM-avoidance in place (mav@)
- virtio TODO
  - async block
  - SCSI
- Desired: BSD-licensed sparse image tools
  - vmdk/qcow2/vhd etc

# bhyve futures

- AMD-SVM support (10.1)
- Windows guest support
  - requires UEFI (as does Illumos)
- ARM(64) host support
- State save/restore/migrate
- UCL configuration file
- Regression suite



# Status - VBox

- Tracking Oracle releases
  - 4.3.10 released 3/25
  - Ports updated to 4.3.10 3/28



# Status - HyperV

- In 10.0, amd64 and i386 guest support
- Recent Azure image announcement
- Needs help

# Xen/Virtio/VMWare

- See upcoming presentations

# Questions ?