



OVMF on qemu-kvm

Laszlo Ersek

Red Hat, Inc.

November 8th, 2012

what & why

- What is UEFI?
- What is OVMF?
- Why we care: secure boot (Fedora 18, Windows 8)
 - see Matthew Garrett's blog:
<http://mjg59.dreamwidth.org/>



how to use what's there right now

- mini howto: <http://www.linux-kvm.org/page/OVMF>
- package: http://people.redhat.com/~lsersek/ovmf_pkg/
 - files available there are for RHEL-6 host and x86_64 guests; they're unofficial
 - packaging for Fedora in progress
 - target OS releases to be determined
- apparently working guests (64-bit):
 - RHEL-6.3
 - Fedora 18 Alpha (XFCE), incl. sec. boot
 - Windows 8 Consumer Preview b. 8250, incl. sec. boot
 - Windows Server 2012



have-done's and to-do's

- fixes & cleanups for ACPI tables
- utilize bootindex in BDS
- virtio-blk driver
- virtio-scsi driver
- various other fixes and improvements (incl. build system & debuggability)
- create ACPI tables in qemu-kvm (-acpitables), consume them in SeaBIOS / OVMF
- pstore / flash memory
- SeaBIOS as CSM (very hard), or
- GOPs for non-Cirrus displays
- maybe import ext2 driver
- q35 support



upstream wiki & mailing lists

- <http://sf.net/apps/mediawiki/tianocore>
- <https://lists.sf.net/lists/listinfo/edk2-devel>
- feel free to contact <lersek@redhat.com> directly

