

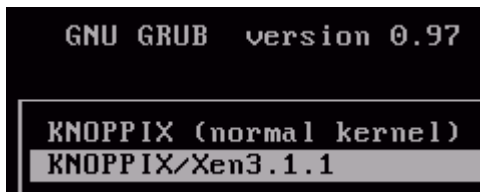
VMKNOPPIX for x86(IA32) (20071101)

<http://unit.aist.go.jp/itri/knoppix/vmknoppix/index-en.html>

KNOPPIX 5.1.1 (kernel 2.6.19) with

- Xen3.1.1 <http://www.cl.cam.ac.uk/research/srg/netos/xen/>
- KVM48 <http://sourceforge.net/projects/kvm>
- QEMU090 <http://fabrice.bellard.free.fr/qemu/>
- KQEMU <http://fabrice.bellard.free.fr/qemu/kqemu-doc.html>
- UML <http://user-mode-linux.sourceforge.net/>
- Virtual Box <http://www.virtualbox.org/>

Boot option



- ◇ Select “KNOPPIX(normal kernel)” for KVM,KQEMU
- ◇ Select “KNOPPIX/Xen3.1.1” for Xen
- Confirm eth0 is setup.

Easy Commands for virtualization

- *Xen 3.1.1*
 - ◇ Run DomainU with KNOPPIX Image
knoppixU
 - ◇ Run HVM Domain with KNOPPIX CD
knoppixHVM
- **KVM/KQEMU/QEMU**

This command automatically detects and includes the suitable module for kvm, kqemu and qemu, in the order. KVM/KQEMU/QEMU boot with KNOPPIX CD.

qemu-knoppix.sh.

Option “-no-kvm” to cancel the KVM kernel module.
“-no-kqemu” to cancel the KQEMU kernel module.
“-no-module” to cancel the a KVM/KQEMU kernel modules.

Caution:
Please add “**nolapic**” option at GRUB when you boots on KVM.
- **VirtualBox**
modprobe vboxdrv
VBoxSVC &
VirtualBox
- **UML UserMode Linux**

UML boots KNOPPIX with VNC

umlknx.sh

OS Circular

- Boots Virtual Machine with an **Disk Image in the Internet**
VM boot with the bootable ISO image on HTTP server.
 - **with httpfs**
 - ✧ For KVM/KQEMU/QEMU. The script automatically detects the machine condition and selects KVM, KQEM or QEMU.
qemu-knoppix.sh http://***.org/Live-CD.iso
qemu-knoppix.sh file://tmp/Live-CD.iso
 - ✧ For Xen-HVM
knoppixHVM http://***.org/Live-CD.iso
knoppixHVM file://***.org/Live-CD.iso

➤ **HTTP-FUSE** <http://unit.aist.go.jp/itri/knoppix/http-fuse/index-en.html>

Some OSes boot on VM from HTTP-FUSE CLOOP.

- ✧ For KVM/KQEMU/QEMU
httpfuse-qemu.sh
- ✧ For Xen-HVM
httpfuse-hvm.sh

Special Change

- Includes New IPA Fonts <http://ossipedia.ipa.go.jp/ipafont/>

Download

- File name: knoppix_v5.1.1CD_20070104_xen3.1.1_vbox-20071101.iso
- MD5: bb2058814423c74667991ab23dc5ad9a
- FTP: ftp://unit.aist.go.jp/itri/knoppix/iso/knoppix_v5.1.1CD_20070104_xen3.1.1_vbox-20071101.iso
- HTTP (Ring Servers): <http://www.ring.gr.jp/archives/linux/knoppix/iso/>
- Bittorrent: http://unit.aist.go.jp/itri/knoppix/vmknoppix/knoppix_v5.1.1CD_20070104_xen3.1.1_vbox-20071101.iso.torrent