

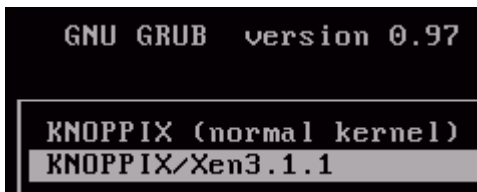
VMKnoppix for x86_64 (20071107)

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

KNOPPIX 5.1.1 for x86_64 (kernel 2.6.19 x86_64) with

- Xen3.1.1 <http://www.cl.cam.ac.uk/research/srg/netos/xen/>
- KVM16 <http://sourceforge.net/projects/kvm>
- QEMU090 <http://fabrice.bellard.free.fr/qemu/>
- UML <http://user-mode-linux.sourceforge.net/>

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 for x86_64*
 - ◇ Run DomainU with KNOPPIX (x86_64) image
knoppixU
 - ◇ Run HVM Domain with VMKnoppix (x86_64) CD
knoppixHVM
- *KVM/QEMU for x86_64*

This command automatically detects and includes the suitable module for kvm, and qemu, in the order. KVM/QEMU boot with VMKnoppix (x86_64) CD.

```
# qemu-knoppix.sh
```

Option “-no-kvm” to cancel the KVM kernel module.
“-no-module” to cancel the a KVM/KQEMU kernel modules.
- *UML UserMode Linux for x86_64*

UML boots KNOPPIX (x86_64) with VNC

```
# umlknx.sh
```

Special Change

- Includes New IPA Fonts <http://ossipedia.ipa.go.jp/ipafont/>
- IA32 Emulation is effective on the kernel. Some 32bit libraries can be used.

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/QEMU. The script automatically detects the machine condition and selects KVM 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

Download

- File name: knoppix-x86_64-v5.1.1CD-20071107_xen3.1.1.iso
- MD5: c1a167eff22177a7ba89fc91fac7f494
- FTP: ftp://unit.aist.go.jp/itri/knoppix/iso/knoppix-x86_64-v5.1.1CD-20071107_xen3.1.1.iso
- HTTP (Ring Servers): <http://www.ring.gr.jp/archives/linux/knoppix/iso/>
- Bittorrent: http://unit.aist.go.jp/itri/knoppix/vmknoppix/knoppix-x86_64-v5.1.1CD-20071107_xen3.1.1.iso.torrent