



CYBONET



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Solutions on KVM

Quick Installation Guide



The following manual provides assistance in installing CYBONET's product's Virtual Machine on KVM

KVM OVERVIEW

Kernel-based Virtual Machine (KVM) is a hardware-assisted, fully virtualized solution for Linux on x86 hardware that contains virtualization extensions (specifically Intel VT or AMD-V). After you install KVM, you can run multiple guests (virtual machines), with each guest running a different operating system image. Each of these virtual machines has private, virtualized hardware, including a network card, storage, memory, and graphics adapter.

INSTALLING CYBONET VIRTUAL MACHINES WITH VIRT-MANAGER

The virt-manager application is a desktop user interface for managing virtual machines through libvirt. It primarily targets KVM VMs, but also manages Xen and LXC (linux containers). It presents a summary view of running domains, their live performance & resource utilization statistics. Wizards enable the creation of new domains, and configuration & adjustment of a domain's resource allocation & virtual hardware. An embedded VNC and SPICE client viewer presents a full graphical console to the guest domain.

RELATED INFORMATION

You can find additional information about the processes and tools described in these procedures.

- [Kernel Based Virtual Machine](http://www.linux-kvm.org/page/Main_Page)
http://www.linux-kvm.org/page/Main_Page
- [Red Hat Enterprise Linux 5 Virtualization guide](http://www.redhat.com/docs/en-US/Red_Hat_Enterprise_Linux/5.4/html/Virtualization_Guide/)
http://www.redhat.com/docs/en-US/Red_Hat_Enterprise_Linux/5.4/html/Virtualization_Guide/
- [KVM Guest Support Status](http://www.linux-kvm.org/page/Guest_Support_Status)
http://www.linux-kvm.org/page/Guest_Support_Status
- [KVM Guest Support Status](http://www.redhat.com/docs/manuals/enterprise/RHEL-5-manual/Deployment_Guide-en-US/s2-networkscripts-interfaces-eth0.html)
http://www.redhat.com/docs/manuals/enterprise/RHEL-5-manual/Deployment_Guide-en-US/s2-networkscripts-interfaces-eth0.html
- [Red Hat Enterprise Linux 5.4 Installation guide](http://www.redhat.com/docs/en-US/Red_Hat_Enterprise_Linux/5.4/html/Installation_Guide/index.html)
http://www.redhat.com/docs/en-US/Red_Hat_Enterprise_Linux/5.4/html/Installation_Guide/index.html
- [developerWorks® Virtualization Blueprint Community Forum](http://www.ibm.com/developerworks/forums/forum.jspa?forumID=1272)
<http://www.ibm.com/developerworks/forums/forum.jspa?forumID=1272>

1. Create a new Virtual machine on the virt-manager



New VM

Create a new virtual machine
Step 1 of 5

Enter your virtual machine details

Name:

Connection: (QEMU/KVM)

Choose how you would like to install the operating system

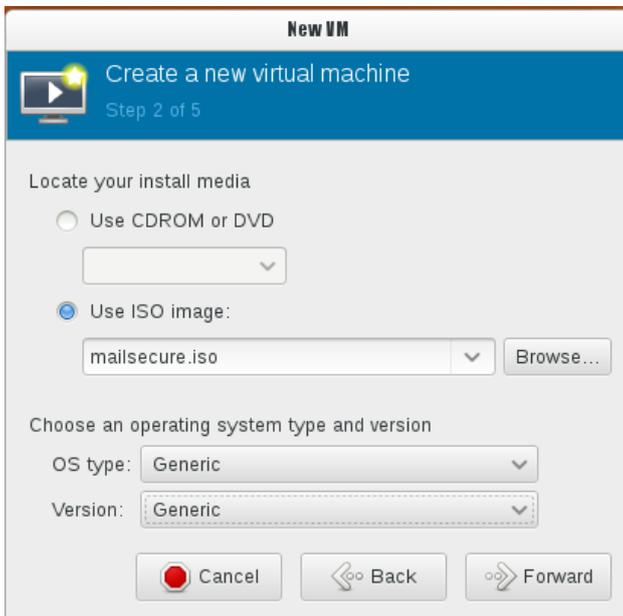
Local install media (ISO image or CDROM)

Network Install (HTTP, FTP, or NFS)

Network Boot (PXE)

Import existing disk image

2. Create use iso image, browse and select proper solution image file



New VM

Create a new virtual machine
Step 2 of 5

Locate your install media

Use CDROM or DVD

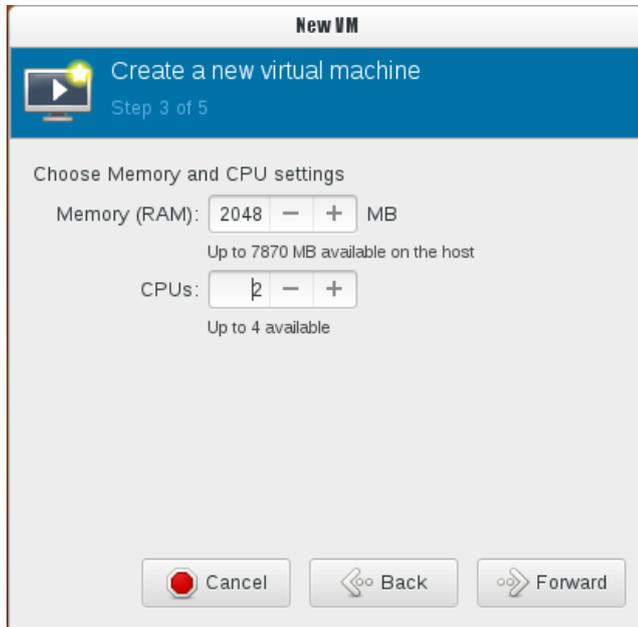
Use ISO image:

Choose an operating system type and version

OS type:

Version:

3. Please choose appropriate memory and CPU cores for the indented machine, Visit PineApp website software and virtual machine datasheet for proper sizing .



New VM

Create a new virtual machine
Step 3 of 5

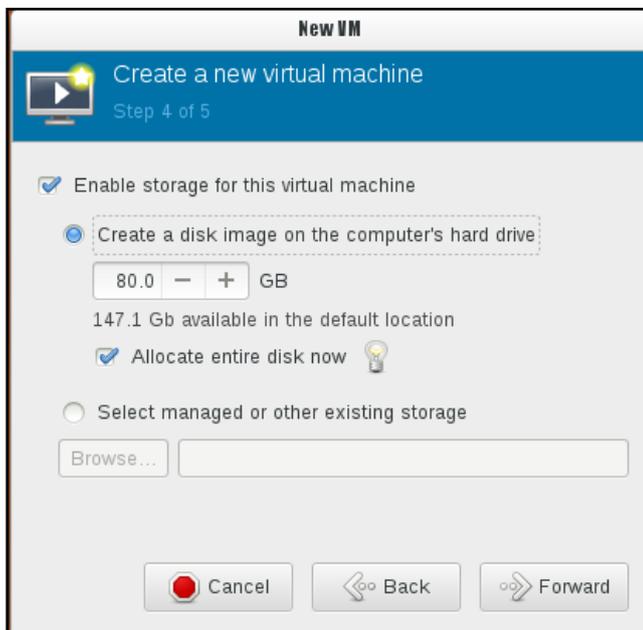
Choose Memory and CPU settings

Memory (RAM): 2048 - + MB
Up to 7870 MB available on the host

CPUs: 2 - +
Up to 4 available

Cancel Back Forward

4. Please choose appropriate disk drive space for the indented machine, Visit PineApp website software and virtual machine datasheet for proper sizing



New VM

Create a new virtual machine
Step 4 of 5

Enable storage for this virtual machine

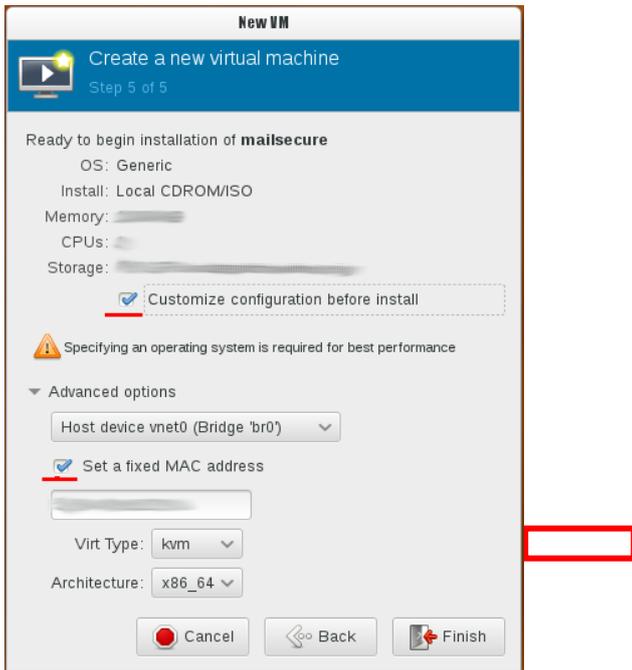
Create a disk image on the computer's hard drive:
80.0 - + GB
147.1 Gb available in the default location
 Allocate entire disk now 

Select managed or other existing storage
Browse...

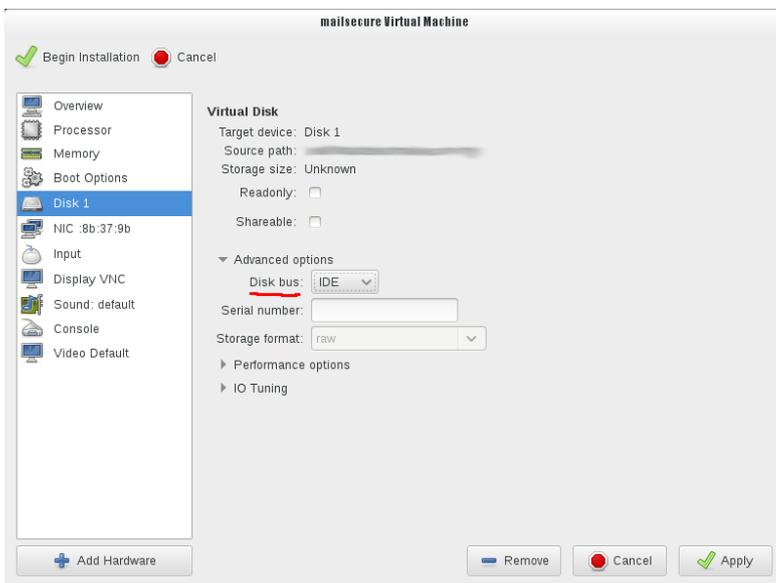
Cancel Back Forward



5. Verify that "Customize configuration before install" & " set a fixed MAC address are selected

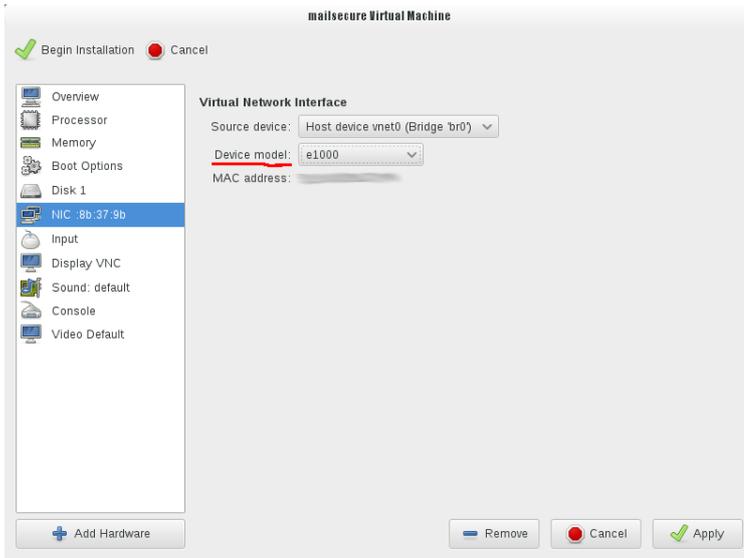


6. Verify Virtual Disk bus is set to IDE





7. Verify network card device mode is set to e1000



For further information and installation procedures for PineApp Mail Secure, please refer to each product’s corresponding quick installation guide and/or user manual.

For further information and/or questions, please contact CYBONET’s support at Support@cybonet.com, or by phone at +972-4-8213121 x 3.