

VM Image Generation

How GrokThis.net builds virtual machine (VM) images for VPS accounts
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Debian / Ubuntu

Installation Procedure:

1. `debootstrap --arch=$ARCH $DISTRO /mnt/$USER/ ftp://ftp.grokthis.net/debian/`

Added or modified files:

- `/etc/fstab`
- `/etc/resolv.conf`
- `/etc/network/interfaces`
- `/dev/xvc0` (xen virtual console. type: char, major: 204, minor: 191)
- `/etc/inittab` (removes extra gettys, configures `/dev/xvc0`)
- `/etc/securetty` (adds `xvc0`)
- `/etc/udev/rules.d/*net*` (re-configuration for dynamic MAC addresses)
- `/etc/shadow` (shadow passwords enabled, root password set)

The following additional packages are explicitly installed via 'apt-get':
(dependent packages may be installed implicitly)

- 'ssh-server' (OpenSSH)

Red Hat / Fedora / CentOS

Installation Procedure:

We perform a CD-based installation. All tasks are removed for a bare-minimum installation. *TODO: create and provide kickstart files.* Root filesystem is packaged into a .tar.bz2 file and uploaded to our FTP server (ftp://ftp.grokthis.net/disk_images/)

Added or modified files:

- /etc/fstab
- /etc/resolv.conf
- /etc/sysconfig/network-scripts/ifcfg-eth0 (immutable to prevent automatic udev renaming)
- /dev/xvc0 (xen virtual console. type: char, major: 204, minor: 191)
- /etc/inittab (removes extra gettys, configures /dev/xvc0)
- /etc/securetty (adds xvc0)
- /etc/udev/rules.d/*net* (re-configuration for dynamic MAC addresses)
- /etc/selinux/config (disables selinux)
- /etc/shadow (shadow passwords enabled, root password set)

Disabled services:

The following services, might be installed but disabled by default.

- smartd
- atd
- acpid
- sendmail
- autofs
- pcsd
- messagebus
- mdmonitor
- mcstrans
- irqbalance
- cpuspeed
- netfs
- anacron
- gpm
- bluetooth
- sendmail
- rpcbind
- haldaemon
- nfslock
- rpcidmapd
- rpcgssd