BIOS - Basic Input / Output System

MBR - Master Boot Record

GRUB - Grand Unified Bootloader

Kernel - executes /sbin/init

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Init - executes runlevel programs

0 - halt

1 - Single user mode

2 - Multiuser, without NFS

3 - Full multiuser mode

4 - unused

5 - X11

6 - reboot

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Runlevel - executes /etc/rc.d/rc\*.d/

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**EXAMPLE for RED HAT LINUX ( Dev Server xx077 )**

**/etc/inittab**

[postgres@fa1rvlapxx077 etc]$ cat inittab

#

# inittab This file describes how the INIT process should set up

# the system in a certain run-level.

#

# Author: Miquel van Smoorenburg, <miquels@drinkel.nl.mugnet.org>

# Modified for RHS Linux by Marc Ewing and Donnie Barnes

#

# Default runlevel. The runlevels used by RHS are:

# 0 - halt (Do NOT set initdefault to this)

# 1 - Single user mode

# 2 - Multiuser, without NFS (The same as 3, if you do not have networking)

# 3 - Full multiuser mode

# 4 - unused

# 5 - X11

# 6 - reboot (Do NOT set initdefault to this)

#

id:3:initdefault:

# System initialization.

si::sysinit:/etc/rc.d/rc.sysinit

l0:0:wait:/etc/rc.d/rc 0

l1:1:wait:/etc/rc.d/rc 1

l2:2:wait:/etc/rc.d/rc 2

l3:3:wait:/etc/rc.d/rc 3

l4:4:wait:/etc/rc.d/rc 4

l5:5:wait:/etc/rc.d/rc 5

l6:6:wait:/etc/rc.d/rc 6

# Trap CTRL-ALT-DELETE

ca::ctrlaltdel:/sbin/shutdown -t3 -r now

# When our UPS tells us power has failed, assume we have a few minutes

# of power left. Schedule a shutdown for 2 minutes from now.

# This does, of course, assume you have powerd installed and your

# UPS connected and working correctly.

pf::powerfail:/sbin/shutdown -f -h +2 "Power Failure; System Shutting Down"

# If power was restored before the shutdown kicked in, cancel it.

pr:12345:powerokwait:/sbin/shutdown -c "Power Restored; Shutdown Cancelled"

# Run gettys in standard runlevels

1:2345:respawn:/sbin/mingetty tty1

2:2345:respawn:/sbin/mingetty tty2

3:2345:respawn:/sbin/mingetty tty3

4:2345:respawn:/sbin/mingetty tty4

5:2345:respawn:/sbin/mingetty tty5

6:2345:respawn:/sbin/mingetty tty6

# Run xdm in runlevel 5

x:5:respawn:/etc/X11/prefdm -nodaemon

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/etc/rc.d/init.d - Contains a list of services

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**Examples:**

-rwxr-xr-x 1 root root 1926 Oct 20 2011 crond

-rwxr-xr-x 1 root root 2349 Oct 31 2013 ppas-agent-9.2

-rwxr-xr-x 1 root root 1714 Oct 31 2013 ppas-infinitecache-9.2

-rwxr-xr-x 1 root root 2736 Oct 31 2013 ppas-pgpool-9.2

-rwxr-xr-x 1 root root 2308 Oct 31 2013 pgbouncer-9.2

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Run Level 0 /etc/rc.d/rc0.d

Run Level 1 /etc/rc.d/rc1.d

Run Level 2 /etc/rc.d/rc2.d

Run Level 3 /etc/rc.d/rc3.d

Run Level 4 /etc/rc.d/rc4.d

Run Level 5 /etc/rc.d/rc5.d

Run Level /etc/rc.d/rc6.d

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/etc/rc.d/rc3.d ( Extract )

K Prefix = Kill

Symbolic links

lrwxrwxrwx 1 root root 18 Dec 11 2013 **K15ppas-9.2** -> ../init.d/ppas-9.2

lrwxrwxrwx 1 root root 25 Oct 31 2013 **K14ppas-pgpool-9.2** -> ../init.d/ppas-pgpool-9.2

S Prefix = StartUp

lrwxrwxrwx 1 root root 16 Jul 12 2012 **S12syslog** -> ../init.d/syslog

lrwxrwxrwx 1 root root 22 Dec 12 2013 **S03vmware-tools** -> ../init.d/vmware-tools

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**chkconfig**

Command-Line tool for maintaining /etc/rc[0-6].d directory hierarchy

Options :

-- list [name]

-- add name

-- del name

Values for JBOSS on vm-edcwextapp-1 ( Test7 )

**As Root user :**

chkconfig --list jboss-as-standalone.sh

Output:

**jboss-as-standalone.sh 0:off 1:off 2:on 3: on 4:on 5:on 6:off**