

# INTERLAB

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## ISSUE: Adding and process to be started at the boot

OS : Linux Fedora Core2 Kernel 2.6.x

Vernouillet, 29.06.05

### Issue:

As DOS unix has an “autoexec.bat” it is a bit more complet and more flexible. You can choose between several boot mode each can start different modules. The file driving this is located in /etc

Find in /etc/ **inittab**

Chose the start mode you wish to be in; runlevel 3 is text mode level 5 is starting X11 graphic layer...

If you wish to see a process starting at the boot us the command :

```
[root@vidserver etc]# chkconfig
```

Some examples:

To list all:

```
[root@vidserver etc]# chkconfig --list  
crond          0:off  1:off  2:on   3:on   4:on   5:on   6:off  
vncserver      0:off  1:off  2:off  3:off  4:off  5:off  6:off  
winbind        0:off  1:off  2:off  3:off  4:off  5:off  6:off  
mdmmonitor     0:off  1:off  2:on   3:on   4:on   5:on   6:off
```

to check status of smb

```
[root@vidserver etc]# chkconfig --list smb  
smb            0:off  1:off  2:on   3:on   4:on   5:on   6:off
```

Note that this tells you that smb will start if you will be booting in runlevel 2,3,4&5

To add a service:

```
[root@vidserver etc]# chkconfig --add vncserver
```

To delete a service:

```
[root@vidserver etc]# chkconfig --del vncserver
```

Without forgetting classics:

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```
[root@vidserver etc]# chkconfig --help  
chkconfig version 1.3.9 - Copyright (C) 1997-2000 Red Hat, Inc.  
This may be freely redistributed under the terms of the GNU Public  
License.
```

```
usage:  chkconfig --list [name]  
        chkconfig --add <name>  
        chkconfig --del <name>  
        chkconfig [--level <levels>] <name> <on|off|reset>
```

```
[root@vidserver etc]# man chkconfig
```

To access detailed manual.

Attention, this will only start a process, it supposes that it is installed and configured.

Refer to **yum** or **apt-get** for installations

## **INITTAB example:**

### **Example:**

```
[root@vidserver 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
```

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```
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

# added for login via modem
S0:345:respawn:/sbin/mgetty /dev/ttyS0
[root@vidserver etc]#
```

Pls. send us your feel back.  
Rev.1 – David 12.02.05