Commands between AIX and Linux Common System Files

File	AIX
Password file	/etc/passwd
Encrypted password file	/etc/security/passwd
Error logs	/var/adm/ras/errpt /var/adm/messages
Group files	/etc/group /etc/security/group
Secure login	/etc/security/user
DNS	/etc/resolv.conf /etc/netsvc.conf
Hosts file	/etc/hosts
Services	/etc/services
Kernel	/usr/lib/boot/unix_64
Device files	ODM at /etc/objrepos
Inittab	/etc/inittab
inetd.conf	/etc/inetd.conf
File systems	/etc/filesystems
Networking	ODM database at /etc/objrepos
NFS exports	/etc/exports
System environment	/etc/environment
Common User-related	/etc/security/user
New user profile	/etc/.profile

Specific Commands

Action	AIX
Listing physical volumes (PV)	lspv
List partitions in a disk	lspv -l <disk>
List volume groups (VG)	lsvg
Create volume group	mkvg
Remove volume group	rmvg
Add a PV to VG	extendvg
Remove a VG definition	exportvg
Remove a PV from VG	reducevg
Import VG	importvg
Activate VG	varyonvg
List logical volume (LV)	lslv
Create LV	mklv
Grow filesystems with LV	chfs
Shrink filesystem	chfs
Paging/Swap	lsps -a
OS level	oslevel
Run level	who -r
Uptime	uptime
Performance	vmstat, ps, sar, topas, and nmon
List installed filesets	lslpp -l
Which fileset a file is in	which_fileset <name>

Verify installed filesets	lppchk -v
List files in a fileset/package	lslpp -f <fileset>
List running kernel modules	genkex
Insert module	N/A (dynamic)
Unload modules	N/A (dynamic)
List memory installed	bootinfo -r
Create users	mksuer
Change user details	chuser
Delete users	rmuser
Create groups	mkgrp
Change group details	chgrp
Delete group	rmgrp
Install software	installp, smitty install, rpm, and geninstall
Update software	smitty update_all, installp, and rpm
Remove software	smit install, and rpm
IP configuration	smitty tcpip
IP alias	ifconfig en# alias <IP>
Network interfaces	netstat -in
Network routes	netstat -rn
staticroutes	smitty route
Network options	no -a
Error logs	errpt and alog
Start daemons	startsrc -s (SRC Controlled)
Stop daemons	stopsrc -s
Refresh daemons	refresh -p
Shutdown halt	shutdown -h
Fast reboot	shutdown -Fr
System dump	sysdumpdev -l
Kernel tuning	vmo (virtual memory) schedo (scheduler) no (network)
Change kernel	Change link in /usr/lib/boot/unix_*
Boot image	bosboot
Change bootlist	bootlist
System boot messages	alog

Linux
/etc/passwd

/etc/shadow
/var/log/messages
/etc/group /etc/gshadow
etc/securetty
/etc/resolv.conf /etc/nsswitch.conf
/etc/hosts
/etc/services
/boot/vmlinuz
/dev
/etc/inittab
/etc/inetd.conf
/etc/fstab
/etc/sysconfig/network (SUSE) /etc/sysconfig/network
(Redhat) /etc/sysconfig/network-scripts/if* (Redhat)
/etc/exports
/etc/profile /etc/bash.bashrc

/etc/default/useradd
/etc/skel/*.*

Linux

pvdisplay

fdisk -l <disk>

vgdisplay
vgcreate

vgremove
vgextend

vgexport

vgreduce
vgimport
vgchange

lvdisplay
lvcreate

resize_reiserfs and resize2fs
resize_reiserfs and resize2fs
procinfo cat /proc/swaps
uname -a cat /etc/SuSE-release cat /etc/redhat-release
runlevel
uptime
vmstat, ps, sar, top, and nmon (if installed)
rpm -qa

rpm -qf <path/name>

rpm -V <package>

rpm -ql <package>

lsmod
insmod and modprobe
rmmod and modprobe

free, procinfo, and cat /proc/meminfo
useradd
usermod and chage
userdel
groupadd

groupmod
groupdel
rpm -iv, yast -i, yast2 and yum install
rpm -Uv, yast2 and yum
rpm -e, yast2 and yum
yast2 network (SUSE) /etc/network/sysconfig/network-scripts (Redhat)
ifconfig eth#:1<IP>
ifconfig
netstat -rn, route
/etc/sysconfig/routes (SUSE)
/etc/network/sysconfig/network-scripts (Redhat)
sysctl -a
syslog, evlog, tail /var/log/messages and dmesg
rc.svc_name start, chkconfig, /etc/init.d/<svc_name>/start, service <name> start
rc.svc_name stop, chkconfig, /etc/init.d/<svc_name>/stop, service <name> stop
rc.svc_name restart, /etc/init.d/<svc_name>/restart, service <name> restart
shutdown -h
shutdown -r now
N/A

sysctl
Change in /etc/yaboot.conf
lilo (SUSE)
N/A

dmesg