

Rosetta Stone for Unix

This custom drawing feature now works in Mozilla, in Opera 7.0 or better, and in IE 5 or better for Solaris, HP-UX, or Windows. Use click, shift-click, control-click, and the "set" and "clear" buttons to select the desired subset of OSs. Then select "Draw table" to redraw the window with your custom table. Thanks to Mårten Svantesson <msv@kth.se> for the improved JavaScript.

A Sysadmin's Universal Translator (ROSETTA STONE) OR What do they call that in this world?																																							
Contributions and corrections gratefully accepted . Please help us fill in the blanks. New "tasks" are welcome, too!																																							
PDF version (for best results print US legal size, landscape orientation. If your browser plug-in has trouble with the PDF, then download it and load it in stand-alone Acrobat).																																							
Format version																																							
OS versions in parentheses; e.g. 10+ means version 10 and greater; 9- means version 9 and previous. \$=extra cost																																							
If not specified, commands are in one of the following directories: /usr/bin, /usr/sbin, /sbin, /bin																																							
Files referenced may be either commands, configuration files, or directly-referenced test files. Use the man command to read the man pages for details such as command options.																																							
Categories:																																							
hardware, firmware, devices						disks			kernel, boot, swap						files, volumes																								
networking						security, backup			software, patching, tracing, logging						references																								
TASK \ OS		AIX		Darwin		DG/UX		FreeBSD		HP-UX		IRIX		Linux		NCR Unix		NetBSD		OpenBSD		Reliant		SCO UnixWare		Solaris		SunOS 4		Tru64		Ultrix		UNICOS		OS / TASK			
OS notes		By IBM, with input from System V, BSD, etc. etc. Runs mainly on IBM RS/6000 and related hardware.		The Open Source foundation for Mac OS X, descended from NeXTStep		Data General was acquired by EMC in 1999.		Derived from 4.4BSD-Lite and 386BSD. This table does not include external packages from /usr/ports.		Hewlett-Packard.		SGL SVR4-based		(rh) = Red Hat, Mandrake, SuSE, (deb) = Debian, Libranet, (mand) = Mandrake (SuSE) = SuSE.		aka MP-RAS		Derived from 4.4BSD-Lite and 386BSD. This table does not include external packages from /usr/pkg.		Forked from NetBSD in 1999. Security emphasis. This table does not include external packages from /usr/ports.		Fujitsu Siemens. Based on DC/OSX from Pyramid, SINIX from Siemens, and SVR4. To be replaced with Solaris by 2008.		SCO UnixWare 7.0.1& SCO UnixWare 7.1.1 became Caldera Open Unix and later became SCO again.		Solaris 2.0-2.6, 7, 8, 9 (SunOS 5.*) SVR4-based		Solaris 1.* BSD-based		(Digital Unix, OS/1) (4)= 4.0F/G (5)= 5.0A		An early DEC Unix, superseded by Digital Unix (now Tru64).		Cray Inc., formed from the March 2000 merger of Tera Computer Company and Cray Research		OS notes			
administrative GUI		smitty swm		Aqua: System Preferences, NetInfo Manager		sysadm		/stand/sysinstall		sam		/usr/sysadm/bin/sysmgr (6.3+) toolchest /usr/Cadmin/bin*		(rh) redhat-config* linuxconf (obsolete) (SuSE) yast2 (deb) dpkg-reconfigure (mand) drakconf		sysadin		sushi		?		sysadm WebSysAdmin		scoadmin		solstice adminool smc (8 01/01+)		?		checklist (5) sysman		?		checklist etc:/install/install xmenu		administrative GUI			
managing users		lsuser mkuser chuser rmuser		Aqua: System Preferences, Users utiliti		useradd userdel		adduser rmuser pw		useradd userdel usermod		/usr/Cadmin/bin/cpeople useradd userdel adduser		useradd userdel usermod sysadm		useradd userdel		useradd userdel adduser (interactive)		sysadm useradd userdel		scoadmin useradd userdel		useradd adduser usermod rmmoveuser		?		useradd adduser userdel rmmoveuser		adduser rmmoveuser		xadmin udhgen udrestrict m scripts		managing users					
list hardware configuration		prtconf lscfg lsattr lsdev		ioreg -lra system_profiler		dg_sysreport -g hardware		dmesg cat /var/run/dmesg.boot pciconf -l		ioscan dmesg (if you're lucky) adb model sim (from the SupportPlus CDROM) halt (like most vendors' dt) getconf		hiav		dmesg (if you're lucky) /proc* lspci (SuSE) hwinfo		prtconf devstat machtypespec more /etc/osm		dmesg more /var/run/dmesg.boot cat /kern/msgbuf		dmesg cat /var/run/dmesg.boot		autoconf -l showconf		hwconfig hw scoadmin/DCU /usr/lib/X11/testtools/ x3SSysinfo		prtconf -v /usr/platform/uname -i / shinyrdmg -v (nvidia and sundd only) psinfo -v lsinfo -v dmesg iosat -En prtfu cigadm -l etc/path, to_inst		dmesg (if you're lucky)		dia -R full vncstar -P hwmg -get category (5) hwmg -show devices psinfo post_info sys_check /usr/bin/X11/dccsysinfo		machid getconf uname -a		list hardware configuration					
show/set EEPROM/NVRAM values		bootlist -o -m normal		nvrnm		dg_sysctl grep BOOTPATH		?		setboot sim		nvrnm prntenv/setenv (at command monitor)		/dev/nvram (if you have it) hwclock nvsetenv		EEPROM		OpenProm (on OpenFirmware architectures)		in bdm (at boot stop or ctrl-a)		?		EEPROM		EEPROM		(4.0D+) convsar		?		?		show/set EEPROM/NVRAM values					
add device without reboot		cfmgng -v		(automatic --- autodiskmounter)		N/A		camcontrol atacontrol kldload		ioscan -fscdevtype; inif -Cdevtype		scsiha -pr iocofnfig -l /hw scsiadmminwap -b bus -p		modprobe kernelld insmod hotplug cardctl		devmgmt mktable		?		?		reinitdev changedev		mkdev		devfsadm, pre-Solaris 7 HW 11/99, use: dvcnfig: devlinks; (disks, tapes, ports)		MKDEV		(3.2*) scu scan edit (4.0) scu scan edit; disklabel -rv rzXX label (for disks) (5.x) fdmgng -k; disklabel -rw diskn auto		?		?		add device without reboot			
tape device		/dev/rmt0		?		/dev/rmt0		/dev/rmt0		/dev/rmt0m		/dev/tape /dev/ntape		/dev/st0		/dev/rmtc+*		/dev/st0		/dev/st0		/dev/ios0/ctape001 autoconf -l grep TAPE		/dev/rct0		/dev/rmt0		?		(5.x) /dev/ntape /dev/tape		/dev/rmt0k where n=non-rewinding, X a number, k=density		tpmmt		tape device			
X kvm config		?		?		?		x186config		itemap		?		x186config XF86cfg -configure redhat-config-xt86g6 etc/X11/rdm		?		?		?		?		hwconfig		kdmconfig (x86) fhconfig; m64config; (etc.)		?		?		?		?		X kvm config			
read a disk label		lspv -l		pdisk rawDev -dump Disk Utility		admppdisk -o list admvpdisk -o list		disklabel -r		diskinfo diskdisplay		prtvtoc		fdisk -l		prtvtoc		disklabel -r disk mrlabel		fdisk -r OR disklabel -cl		dkpart -l		fsname		prtvtoc		dkinfo		disklabel -r		chpt -q		?		read a disk label			
whole disk in partition		N/A		(non-root partitions are mounted under /Volumes)		?		€		?		10		?		s0		c or d sysctl kern.rawpartition		€		/dev/ios0/ndisk???7? (???=000-999)		/dev/1st (#=0,1,...)		2		€		€		€		?		whole disk in partition			
label a disk		mkvg		(labels unused)		admppdisk		fdisk disklabel -wr sysinstall		pvcreate		dhvtool fx -x		cdisk fdisk e2label		sysadm fdisk edvtoc mkpart updatescsi		disklabel -wr mrlabel		disklabel -wr		dksetup		?		format		format		disklabel -rw		chpt -a		etc/labelit		label a disk			
partition a disk		mklv		pdisk		admppdisk		fdisk sysinstall		lvcreate sam		fx		parted (if you have it) fdisk (on a MAC)		?		disklabel -l		fdisk -e OR disklabel -E		dkpart -e		?		format fmthard		format		disklabel -e		chpt -p		etc/install/install		partition a disk			
kernel		/unix		/mach_kernel		/dguX		/kernel		/hpux (9) /stand/vmunix (10+)		/unix		(see /etc/lilo.conf or /boot/grub/menu.lst)		/unix /stand/unix		/netbsd		/bsd		/unix /stand/unix		/unix		/kernel/gemunix /platform/uname -m / kernel/unix /platform/uname -m / kernel/ispac@unix (7+)		/vmunix		/vmunix		/vmunix		/unicos		kernel			
show/set kernel parameters		/usr/samples/kernel/vmname (installed with the bos adsamples files) /usr/sbin/no (network-related)		/usr/sbin/sysctl		vi /var/Build/ system.hostname;; reboot		/boot/kernel.conf sysctl /etc/sysctl.conf		sysctl kmtune (11+) getconf		sysctl		/proc* /proc/sys* sysctl /etc/sysctl.conf		sysdel getconf /etc/conf/cf.d/ quicktune.cfg		sysctl /etc/sysctl.conf		sysctl /etc/sysctl.conf		sysctl /etc/sysctl.conf		idtune cat /etc/conf/cf.d/stune cat /etc/conf/cf.d/ttune		etc/conf/cf.d/configure -x		sysdel getconf cat /etc/system add adb -k		adb		dkkernelnmer syscnfig		adb kdb		?		show/set kernel parameters	
make disk bootable		bosboot -a		bless		dg_sysctl		bootcfg disklabel		mkboot		dhvttool		fdisk -A (and lilo to manipulate mbr)		?		fdisk -l installboot		?		dksetup		?		installboot /usr/platform/ uname -m / lib/fs/ufs/bootbk raw_device_file		/usr/kvm/mdec installboot /lib/ protobootbk bootdevice		(4.x+) disklabel -rw -4 [ufs/iodf/s]		?		?		make disk bootable			
startup scripts		/etc/rc*		/System/Library/ StartupItems*+ (Library/StartupItems/ /etc/rc*		/etc/rc*		/etc/rc* /usr/local/etc/rc.d		/etc/rc* (9) /sbin/rc* (10+) /sbin/init.d		/etc/rc* etc/init.d		/etc/rc* (but may vary) etc/init.d		/etc/rc* etc/init.d		/etc/rc*		/etc/rc*		/etc/rc*		/etc/rc*		/etc/rc* etc/init.d		/etc/rc*		/sbin/init.d; links in /sbin/rc.d		/etc/rc*		?		startup scripts			
run levels ¹ **normal states for more detail see www.phildley.net/runlevels.html		2: multiuser 6: reboot		?		?		-1*: permanently insecure 0: insecure 1: secure 2: highly secure 3: network secure		0: shut down s,S: single-user 1: sys admin 2: multiuser 3*: share NFS 4*: start GUI 5: user-defined 6: user-defined		0: power-down s,S: single-user 1: sys admin 2: multiuser (no NFS) 3*: multiuser 4: share NFS 5: user-defined 5: firmware monitor		(set in /etc/inittab) 0: halt s,S,1: vendor-dependent 1: single-user 2-5*: multiuser 6*: reboot		(set in /etc/inittab) s,S: single-user 1: sys admin 0*: insecure 1*: secure 2: highly secure		-1: permanently insecure 0*: insecure 1*: secure 2: highly secure		0: power-down s,S: single-user 1: sys admin 2*: multiuser 3+4*: user-defined 5: firmware update 6: reboot		?		0: firmware monitor s,S: single-user 1: sys admin 2: multiuser 3*: share NFS 4*: user-defined 5: power-down if possible 6: reboot		0: shut down 1: single user 2: multi-user, no NFS 3: multi-user 6: reboot		0: shut down 1: single user 2: multi-user, no NFS 3: multi-user 6: reboot		?		?		?		run levels ¹ **normal states for more detail see www.phildley.net/runlevels.html			
show runlevel ¹		who -r		(runlevels unused)		who -r		sysctl kern.securelevel		who -r		/sbin/runlevel		sysctl kern.securelevel		sysctl kern.securelevel		who -r		who -r		who -r		who -r		who -r		who -r		who -r		who -r		who -r		show runlevel ¹			
time zone info		?		/usr/share/zoneinfo/		?		?		?		/usr/lib/locale/TZ/		/usr/share/zoneinfo/		?		?		?		?		?		/usr/share/lib/zoneinfo/		?		?		?		?		time zone info			
check swap space		lspv -a		ls -l /var/vm vm_stat		admswap -o list -buv dg_sysreport -p freeswap sysstat -sswap		swapinfo psat -s		swapinfo		swap -s swap -l		cat /proc/meminfo free		swap -s swap -l		swapctl -l		swapctl		swap -s swap -l		swap -l		psat -s		swapon -s		?		/etc/swapper		check swap space					
"normal" filesystem		jfs		ufs hfs+		dg/ux		ufs		hfs vxfs (11.0+)		efs, xfs		ext2 ext3 ReiserFS		vxfs		ffs (was ufs)		ffs (was ufs)		vxfs ufs (root)		hafs		ufs		4.2		ffs (5) AdvFS		ufs		NCIFS CIFS		"normal" filesystem			
volume-based filesystem		jfs		?		?		ccd vinum		jfs (vxfs) LVM XVVM (5)		xlv, xvm, xfs		LVM, LVM2 EVMS XVVM (5)		vdisk VxVM		ccd, raidframe		ccd raid		vdisk		Solstice DiskSuite XVVM (5)		?		Advfs LSM		N/A		?		volume-based filesystem					

Rosetta Stone for Unix

file system description	/etc/filesystems	NetInfo	/etc/fstab	/etc/fstab	/etc/checklist (9) /etc/fstab (10+)	/etc/fstab	/etc/fstab	/etc/vfstab	/etc/fstab	/etc/fstab	/etc/vfstab /etc/dtstab	/etc/defaults/filesys /etc/vfstab (local) /etc/mtab (remote)	/etc/vfstab (local)	/etc/fstab	/etc/fstab AdvFS: /etc/dmms	/etc/fstab	/etc/fstab	file system description	
volume manipulation	smitty vg smitty lvm smitty js mkvg; chvg; rmvg mkiv; chiv; rmiv mkfs; crfs; mfs	Disk Utility / pdisk	sysadm	vinum ccodconfig	vg*; lv*; pv* ext2extfs fsadm	xlv_mgr xvm	e2fsadm lvcreate lvremove lvextend	vxvva	ccodconfig raidctl	ccodconfig raidctl	dccodconfig diminor dkmap	?	meta* (Solstice DiskSuite; Solaris Volume Mgr (9+)) (?..found in /usr/opt/SUNWWin/ sbin) /opt/VRTSxxva/bia/vxva (Veritas Volume Mgr) (S)	?	AdvFS: mktfdm, mkfstet, advvol, showfdm ESM: volcreate or volmake, volume, volplex and volsd, volprint	?	/etc/install/install	volume manipulation	
create filesystem	crfs	(automatic)	adm/filesystem	newfs	mkfs newfs	mkfs	mke2fs mkreiserfs mkdosfs	mkfs	newfs	newfs	mkfs newfs	?	newfs mkfs	newfs mkfs	AdvFS: mktfdm UFS: newfs MFS: mfs	newfs mkfs	bfs mkfs labelit	create filesystem	
create non-0-length empty file	linktemp	dd if=/dev/zero of=/filename bs=1024 count=desired	?	truncate -s size(K M G) filename dd if=/dev/zero of=/filename bs=size(k K M G) \ count=desired	prealloc	mkfile	dd if=/dev/zero of=/filename bs=1024k count=desired	dd if=/dev/zero of=/filename bs=1m count=desired	dd if=/dev/zero of=/filename bs=1m count=desired	dd if=/dev/zero of=/filename bs=1024k count=desired	mkfile dd if=/dev/zero of=/filename bs=1k	dd if=/dev/zero of=/filename bs=1024 count=desired	mkfile	dd if=/dev/zero of=/filename bs=1024k count=desired	?	?	?	create non-0-length empty file	
mount CDROM	mount -v cdrfs -o ro /dev/cd0 /cdrom smitty cdrom	(automatic — autodiskmounter)	mount -t cdrom /dev/pdisk/disk/cdrom	mount /cdrom mount_cd9660	pfs_mountd pfcd pfs_mount mount /dev/disk/cvtydz SD_CDROM	(mounts automatically when CD inserted)	mount /mnt/cdrom (deb) mount /cdrom	mount -F cd966 /dev/cdrom/cdromX /cdrom	mount /dev/cd0a path	mount -t cd9660 -r /dev/cd0a path	mount -F hf ... sysadm	mount /dev/cd0 path	/etc/init.d/vold start; volcheck or mount -F hfs -o ro /dev/sd0 /cdrom	mount -t hfs -r /dev/sd0 /cdrom	mount /dev/disk/cdromXa /mnt mount -t cd966 -o noversion /dev/disk/cdrom3c /cdrom	?	?	mount CDROM	
NFS share definitions	/etc/exports /etc/xtab	NetInfo: /config/SharePoints	/etc/exports	/etc/exports	/etc/exports	/etc/exports	/etc/exports	/etc/dfs/dfstab dfshares	/etc/exports	/etc/exports	/etc/dfs/dfstab /etc/dfs/sharetab	/etc/exports	/etc/dfs/dfstab dfshares	/etc/exports	/etc/exports	?	/etc/exports	NFS share definitions	
NFS share command	exports -a	kill -s HUP `cat /var/run/mount.pid`	exports -a	kill -s HUP `cat /var/run/mount.pid`	exports -a	exports -a	/etc/init.d/nfs-server reload (rh) exports -a	share shareall	kill -s HUP `cat /var/run/mount.pid`	kill -HUP `cat /var/run/mount.pid`	share shareall	exports -a /etc/nfs start	share shareall	exports -a	/sbin/init.d/nfs start; /sbin/init.d/nfsmount start	?	exports -a	NFS share command	
name resolution order	/etc/netsvc.conf	NetInfo	/etc/netsvc.conf	/etc/host.conf	/etc/nsswitch.conf 6+ : /etc/nsswitch.conf 5.3 : /etc/resolve.conf	?	/etc/nsswitch.conf /etc/resolve.conf	?	/etc/nsswitch.conf /etc/resolve.conf	/etc/resolve.conf	/etc/netconfig	?	/etc/nsswitch.conf	(hardcoded into libc)	/etc/nss.conf	?	/etc/hosts.usename	name resolution order	
show network interface info	ifconfig -a no -a netstat -i lsattr -E -l enX	ifconfig -a	netstat -i ifconfig	ifconfig -a	lanadmin landing lanscan netstat -in ifconfig lanx	ifconfig -a netstat -ia	/sbin/ifconfig	ifconfig -a l3config	ifconfig -a	ifconfig -a netstat -in	ifconfig -A	ifconfig -a netstat -in Network Config. Mgr. (GUI)	add ifconfig -a netstat -in (8+) kstat -s hme0 egrep 'tfspeedduplex'	ifconfig -a	ifconfig -a netstat -in	ifconfig	ifconfig -a netstat -in	show network interface info	
change IP	smitty chinnet chdev -a netaddr= newIP -1 ena0	System Preferences: Network NetInfo	sysadm	edit /etc/rc.conf (option ifconfig_interface name) ifconfig	/sbin/set_parms initial ifconfig ifconfig	(rh) edit: /etc/hosts, /etc/sysconfig/network, sys_id, resolv.conf, TIMEZONE), /etc/centipede/ (static-route options, ifconfig-1 options); reboot	ifconfig tcpconfig	edit /etc/ifconfig.interface dchclient	edit /etc/hostname.driver ifconfig (temp.) vi /etc/default/inet	sysadm ifconfig (temp.) vi /etc/default/inet	ifconfig netconfig	edit: /etc/resolve.conf, hosts, hostname*, networks, nodename, dumpadm.conf, net/*hosts) sys-unconfig; reboot	edit /etc/hosts /etc/hostname*	(4.x) netsetup (5.x) sysman net_wizard or netconfig	?	netconfig ifconfig initif /etc/install/install	change IP		
ping one packet	ping -c 1 hostname	ping -c 1 hostname	ping -s -c 1 hostname	ping -c 1 hostname	ping hostname 10 1 (9) ping hostname -a 1 (10+)	ping -c 1 hostname	ping -c 1 hostname	ping -c 1 hostname	ping -c 1 hostname	ping -c 1 hostname	ping -c 1 hostname	ping -c 1 hostname	ping hostname packetsize 1	ping hostname packetsize 1	ping -c 1	?	ping hostname	ping one packet	
sniff network	ltrace lpreport	tcpdump	?	tcpdump	netli netfint	snoop tcpdump	etherfind tcpdump etheranal etherape	?	tcpdump netstat -r	tcpdump	tcpdump	?	snoop	etherfind	tcpdump	?	?	sniff network	
route definitions	netstat -r smitty route	netstat -r	sysadm	edit /etc/rc.conf (option defaultrouter) netstat -r route	/etc/rc.config.d/netconf netstat -r	/etc/config/ static-route options	route (rh) /etc/sysconfig/network (rh) /etc/sysconfig/static- routes (deb) /etc/init.d/network (deb) /etc/network	tcpconfig /etc/inet/defaultrouter	netstat -r	netstat -r	netstat -r	netstat -r	/etc/default/router /etc/notrouter /etc/gateways in.routed netstat -r	/etc/default/router /etc/notrouter /etc/gateways /etc/default/router (kernel tweak or adb to diable forwarding)	/etc/routes	?	netstat -r	route definitions	
telnetd, ftpd banner	/etc/security/login.cfg	/etc/ftpwelcome	?	/etc/ftpwelcome	/etc/issend.conf (telnet)	/etc/issue	/etc/issue.net (telnet) (ftp varies; can use tcp wrappers)	?	?	/etc/issue.net /etc/ftpwelcome	/etc/issue	/etc/default/telnetd /etc/default/ftpd	n/a	/etc/issue	/etc/issue /etc/motd	?	/etc/issue /etc/motd	telnetd, ftpd banner	
encrypted passwords in	/etc/security/passwd	NetInfo	/etc/shadow	/etc/master.passwd	/etc/passwd (not Trusted) /secure/etc/passwd (Trusted 9) /etc/files/auth/ (10+) /etc/shadow (11.22+)	/etc/shadow	/etc/shadow (may vary)	/etc/shadow	/etc/master.passwd (/etc/pwd.db)	/etc/master.passwd (/etc/pwd.db)	/etc/shadow	/etc/shadow	/etc/shadow	/etc/shadow	/etc/shadow	/etc/files/auth (only with Enhanced Security)	/etc/shadow	/etc/adb	encrypted passwords in
allow/deny root logins	/etc/security/user	/etc/tyrs (doesn't affect ssh)	/etc/default/login	/etc/login.access; /etc/tyrs	/etc/securityty	/etc/default/login	/etc/securityty	/etc/default/login	/etc/tyrs	/etc/tyrs	/etc/default/login	/dev/default/login	/etc/default/login	/dev/ttytab	/etc/securityty	/etc/securityty	utlrestrict -R	allow/deny root logins	
show installed software	lsdp -L	ls /Applications Apple System Profiler ls /Network/Applications /Network/Users*/ Applications /Users*/Applications	pkginfo	pkg_info	rmfvs, what (HP-UX 9) swlist (HP-UX 10+)	versions showfiles showprods	(rh) rpm -a -i (rh) rpm -qa (deb) dpkg-query (deb) dpkg -i	displaypkg pkginfo	pkg_info	pkg_info	pkginfo -i sysadm	swconfig displaypkg pkginfo	pkginfo prodreg adminvol /var/sadm/install/contents	?	setid -i	?	?	show installed software	
add software	smitty install_all smitty installp /usr/lib/installm_inst installp_cmd -a -d 'device' -c 'N' -g 'X'	installpkg drag-and-drop	sysadm	/stand/sysinstall /usr/pkts make pkg_add	swinstall	inst swmgr	(rh) rpm -hiv (deb) dpkg-query apt-get install pkg (deb) dpkg -i	pkgadd pkgplus	pkg_add /usr/pkgsrc && make	pkg_add /usr/ports && make	pkgadd sysadm	custom installpkg SCAdmin (GUI)	pkgadd	setid -i	?	?	?	add software	
precompiled binaries of GPLware and freeware	www-1.ibm.com/services/ ix3/products/ixos/ixm3/ download.html ixspdbb.ses.ucla.edu/ ixspdbb.html bdl.freeware.com	link.sourceforge.net	?	ftp.freebsd.org/ pub/FreeBSD www.fpw.org	hpux.cs.stath.edu freeware.sgi.com www.sgi.com/fun	www.linux.org linux.novos.com sourceforge.net rpmfind.net	?	ftp://ftp.netbsd.org/pub/ NetBSD/packages	<a href="http://ftp.openssh.org/pub/OpenBSD-<version>-?/packages">ftp://ftp.openssh.org/ pub/OpenBSD-<version>-? /packages	?	www Caldera.com/ skunkware	www.sunfreeware.com	?	?	?	?	?	precompiled binaries of GPLware and freeware	
C compiler	/usr/bmccx/bin/cc	/usr/bin/cc (gcc)	/usr/sde/default/usr/bin/cc	/usr/bin/cc (gcc)	/opt/softbench/bin/cc (S) /bin/cc (9) /usr/bin/cc (10+; not ANSI; kernel builder only)	/opt/MIPSpro/ bin/cc (S) /usr/bin/cc	gcc	/usr/bin/cc (MetaWare)	/usr/bin/cc	/usr/bin/cc	/usr/bin/cc	/usr/bin/cc	/usr/bin/cc	/opt/SUNWpro/ bin/cc (S)	/usr/bin/cc	/usr/bin/cc	/usr/bin/cc	/opt/ct/bin/cc	C compiler
show patch level and/or patches	lsnfix -ivq oslevel -r	sw_vers Apple>About This Mac ls /Library/Receipts uname -a lsbom cat /System/Library/ /CoreServices/ SystemVersion.plist	what /dguX	uname -a	swlist -l product grep PPhoneString	versions -b grep patch (6.4-) uname -R (6.5+)	(rh) rpm -q (deb) dpkg -s	pkginfo -i	cat /kern/version uname -a	?	uname -a pkginfo grep EKS	swconfig -P	showrev -p prodreg (2.6+) patchadd -p	showrev -p (if you're lucky)	dupatch -track -type kit dupatch -track -type patch setid -i grep patchname	?	?	show patch level and/or patches	
patch tool	installp smitty update_all	System Preferences / Software Update softwareupdate	dg_sysreport -p patches	(cvsup or cvs to update, then rebuild)	update (9) swinstall (10+)	inst swmgr	apt-get update apt-get upgrade (rh) up2date (mond) uprmi	pkgadd pkgplus	cvs	cvs/CTM	pkgadd sysadm	installpatch (2.5.1-) patchadd (2.6+) pkgadd /usr/sadm/bin/smpatch (9+)	n/a	setid -i dupatch	?	?	?	patch tool	
configure/show runtime linking fortran-2000.com/ ArnaudRivest/ Sharedlib.html	dump -H ldd	otool -L	?	ldd ldconfig kldstat	chtr ldd (11+) lanadmin	ldd ldd	ldconfig ldsoad	ldd ldconfig	?	?	ldd	?	crl ldd ldd modinfo	ldd	odump -DI ldd	?	?	configure/show runtime linking fortran-2000.com/ ArnaudRivest/ Sharedlib.html	

link library path	SlibPATH	\$DYLD_LIBRARY_PATH man dyld	SlibPATH	SLD_LIBRARY_PATH	\$LD_LIBRARY_PATH SSHLL_PATH (32- or 64-bit)	SLD_LIBRARY_PATH SRLD*_PATH	SLD_LIBRARY_PATH etc/ld.so.conf	SLD_LIBRARY_PATH	?	?	SLD_LIBRARY_PATH	?	SLD_LIBRARY_PATH	SLD_LIBRARY_PATH	SLD_LIBRARY_PATH	?	SLDPATH	link library path
tracing utility	trace syscalls truss	ktrace; kdump fs_usage	?=dg_sttrace (>= 4.20ML06)	ktrace truss	tracex (freeware) tusc (11+, freeware)	par prfstat	tracex truss	ktrace ktruss	ktracex ptracex	truss scat	?	truss sotrnss	tracex	tracex truss	?	cdtbs jumptrace	tracing utility	
define user defaults	/etc/security/ mkuser.default etc/environment	/usr/bin/defaults	admuser -o set	/etc/login.conf	/etc/default etc/MANPATH etc/default*	/etc/default/login etc/profile	/etc/profile etc/skel	/etc/default/login etc/profile etc/security/	?	?	/etc/default/login etc/profile \$HOME/.profile	?	/etc/default/login etc/profile etc/security/	?	/etc/skel etc/profile	/etc/skel etc/profile	uifhgen nu scripts	define user defaults
csh global login	?	/etc/csh.login	?	/etc/csh.login	/etc/csh.login	/etc/cshrc	/etc/csh.login	/etc/csh.login	?	?	?	?	/etc/login	?	/etc/csh.login	?	/etc/login	csh global login
default syslog and messages	/var/adm/syslog /var/adm/messages	/var/log/system.log	/var/adm/messages	/var/log/messages	/var/adm/syslog/syslog.log /var/adm/syslog /var/spool/queue/syslog	/var/adm/SYSLOG /var/adm/syslog	/var/log/syslog /var/log/messages /var/adm/messages /var/log/maillog	/var/adm/streams /var/adm/usererr	/var/log/messages	/var/log/messages	/var/adm/log/messages	/usr/adm/syslog /var/adm/log/osmlog	/var/adm/messages /var/log/syslog	/var/adm/messages /var/log/syslog (sendmail)	(4.x+) /var/adm/messages /var/adm/syslog.dated (kern, auth, daemon, lpr, syslog, user) /var/adm/binary.errlog	/var/adm/messages /var/adm/syslog.dated (kern, auth, daemon, lpr, syslog, user) /var/adm/binary.errlog	/usr/adm/messages	default syslog and messages
system error reporting tool	errpt	Console /var/log/crash.log, dmesg	admssyslog -o report	dmesg	dmesg sysdiag (9 and early 10) stsm/csm/stsm/stsm (10.20+) EMS (from support CD)	sysmon amssyslog avallmon eventmond indmonitor syserrpanel	dmesg odm	dmesg cat /kern/msgbuf	dmesg	sysadm log3 WebSysAdmin	dmesg	prdiag	dmesg	(4.x) uerf; dia (DECevent) (5.x) (System errors) EVM (evmgate; evmshow) (Hardware errors) dia; ca (Compaq analyze)	uerf	errpt	system error reporting tool	
performance monitoring	http://ftp.sfwire.ibm.com/aixbooks/perfbooks/performance vmstat; iostat; sar; filemon; topas; trace; svmon; netmon	vm_stat; nfsstat; fs_usage; sc_usage; top Process Viewer	?	fsstat; nfsstat; systat; vmstat; netstat; sockstat; uastat; top; iostat	top; sar; vmstat; iostat; nfsstat; netstat; uastat; Glance(5)	pcp; dlistat; pmkstat; sar; overview; gr_overview; ecstat; linkstat; netstat; nfsstat; nfsview; nodevix; routevix; nstat; top	vmstat	iostat; netstat; systat; vmstat	iostat; pstat; systat; vmstat	vmstat; mpstat; dlistat; sar; netstat; scstat	?	sar; iostat; kstat; mpstat; netstat; nfsstat; pstat; topstat; vmstat; ptree	?	vmstat; iostat; nfsstat /usr/top/sv4b/bin/sar	vmstat; iostat; nfsstat /usr/top/sv4b/bin/sar	sar; xsar; tsar; xsam; xscc; xsc; xstemon; nfstat; perfmon; ja; mppview; xmpview; sam; csm	performance monitoring	
FAQs (see also faq.org)	www.faq.org/faq/aix-faq/part1/README.html	www.darwininfo.org/faq.shtml www.macosxhints.com	www.csc.dig.com/csc/docs/faq1.asp	www.freebsd.org/doc/en_US.ISO8859-1/books/faq	www.faq.org/faq/hp-hpux/faq/faq-1.htm	techpubs.sgi.com/library/tpl/cgi-bin/browse.cgi?coll=0650&db=FAQ	www.linuxdoc.org/FAQ/Linus-FAQ	?	www.netbsd.org/Documentation	www.openbsd.org/faq	?	www.gnuix.com/SCOFAQ/	www.faq.org/faq/Solaris2/FAQ/ www.faq.org/faq/Solaris2/286-FAQ/ www.saftey.com/unix-sysadm-resources/faq_sun.html	www.faq.org/faq/comp-sys-sun-faq/	www2.truf64.org/faq/truf64_faq.php	www.supelec.fr/decv/faq/faq-ultrix.html	www.spknyormann.net	FAQs (see also faq.org)
mailing list	AIX-L@purc.watson.ibm.com (LISTSERV)	lists.apple.com	?	www.freebsd.org/handbook/resources.html#RESOURCES-MAIL	hpux-admin@hutchworks.nl (majordomo)	?	www.linuxusers.org www.linux.org/help/links.html	www.netbsd.org/MailingLists	www.openbsd.org/mail.html	?	sun-managers@sunmanagers.ccacs.ac.edu (majordomo)	sun-managers@sunmanagers.ccacs.ac.edu (majordomo)	truf64-unix-managers@ornl.gov (majordomo)	www.ornl.gov/its/archives/mailling-list/	decstation-managers@ornl.gov (majordomo)	?	mailing list	
mailing list archives	www.marist.edu/hbin/vl/index?ADSM-L marc.theaimsgroup.com/?l=aix-l&w=2	lists.apple.com	?	www.freebsd.org/search.html#mailinglists	www.dutchworks.nl/hbin/hpuxadmin	?	www.linuxmanagers.org/pipermail/linuxmanagers-lists.debian.org	www.netbsd.org/MailingLists	www.openbsd.org/mail.html	?	www.sunmanagers.org/archives.html www.latech.edu/sunman.html	www.latech.edu/sunman.html	www.archive.ornl.gov/8000	www.archive.ornl.gov/8000	?	mailing list archives		
newsgroup(s) groups:google	comp.unix.aix www.thp.uni-duisburg.de/cuix/cuix.html	comp.sys.mac * comp.unix.aix	comp.unix.bsd freebsd.misc	comp.unix.bsd hpux.hq	comp.sys.sgi.admin	comp.os.linux.* (resp. answers)	comp.sys.scr	comp.unix.bsd netbsd.misc	comp.unix.bsd openbsd.misc	de.comp.os.unix.sinx	comp.unix.sco.misc	comp.sys.sun.admin comp.unix.solaris	comp.sys.sun.admin	comp.sys.svr comp.unix.truf64	comp.unix.ultrix	comp.unix.cray</		

1. In System V-based Unixes, *run level* relates to booting, shutdown, and single-user mode. In BSD, it has to do with security.

Universal Command Guide is a large book which covers several of the OSs in this table. See <http://www.allcommands.com>

Solaris / HP-UX / FreeBSD / Linux / AIX: <http://www.unixporting.com/quickguide.html>

Solaris / HP-UX: <http://soldc.sun.com/migration/hpux/migissues/>

Unix history time line: <http://www.levenez.com/unix/>

Heiner Steven's AWK dialects page: <http://www.shelldorado.com/articles/awkcompat.html>

Ben Zorn's **Debugging Tools for Dynamic Storage Allocation and Memory Management**: http://www.cs.colorado.edu/homes/zorn/public_html/MallocDebug.html

Join the **USENIX System Administrator's Guild**: <http://www.usenix.org/sage>

This page is <http://bhbmj.com/rosetta.html> last updated 2003.11.27. This compilation Copyright © 2000-2004 Bruce Hamilton bhbmj@pobox.com. Original concept by Pat Wilson. Reproduce freely for personal use. Do not reproduce for commercial purposes. LINK don't covv, or you will miss updates!