

This custom drawing feature now works 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 launch a new 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 acroread).			
Framed version . Based on Pat Wilson's version .			
OS versions in parentheses; e.g. <i>10+</i> means version 10 and greater. <i>9-</i> means version 9 and previous. <i>\$-extra</i> cost. If not specified, commands are in one of the following directories: <i>/usr/bin</i> , <i>/usr/sbin</i> , <i>/sbin</i> , <i>/bin</i>			
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	NetBSD	OpenBSD	Reliant	SCO UnixWare	Solaris	SunOS 4	Tru64	Ultrix	UNICOS	OS / TASK	
<i>OS notes</i>		The Open Source foundation for Mac OS X, descended from NeXTStep				SVR4-based	<i>(rh)</i> = Red Hat, Mandrake, SuSe, ... <i>(deb)</i> = Debian, Libranet, ...			Fujitsu Siemens. Based on DC/OSX from Pyramid, SINIX from Siemens, and SVR4.	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, OSE/1) <i>(4)= 4.0F/G</i> <i>(5)= 5.0A</i>		Cray Inc., formed from the March 2000 merger of Tera Computer Company and Cray Research	OS notes	
administrative GUI	smit smitty wsm	Aqua: System Preferences, NetInfo Manager	sysadm	/stand/sysinstall	sam	/usr/sysadm/bin/sysmgr (6.3+) toolchest /usr/Cadmin/bin*	linuxconf yas2 (<i>Suse</i>)	sushi	?	sysadm WebSysAdmin	scoadmin	solstice admintool smc (8 01/01+)	?	checklist (5) sysman	?	checklist /etc/install/install xmenu	administrative GUI	
managing users	lsuser mkuser chuser rmuser	Aqua: System Preferences, Users niutil	useradd userdel	adduser rmuser pw	useradd userdel usermod	/usr/Cadmin/bin/cpeople	useradd userdel <i>(deb)</i> adduser	useradd userdel	useradd userdel adduser (<i>interactive</i>)	sysadm useradd userdel	scoadmin useradd userdel	useradd userdel	?	?	?	xadmin udbgen udbstrict nu scripts	managing users	
list hardware configuration	prtconf lscfg lsattr lsdev	ioreg -bbs	dg_sysreport -g hardware	dmesg cat /var/run/dmesg.boot pciconf -l	ioscan dmesg (<i>if you're lucky</i>) adb model stm (<i>from the SupportPlus CDRROM</i>) bdf (<i>like most vendors' df</i>)	hinvt	dmesg (<i>if you're lucky</i>) /proc/cpufreq /proc/pci /proc/meminfo /proc/interrupts /proc/ioports lspci hwinfo (<i>SuSE</i>)	dmesg more /var/run/dmesg.boot cat /kernel/msgbuf	dmesg cat /var/run/dmesg.boot	autoconf -l	hwconfig hw scoadmin/DCU /usr/lib/X11/testtools/ z35SysInfo	prtconf -v /usr/platform/'uname -i'/ sbin/prtdiag -v (<i>sun4u and sun4d only</i>) psrinfo -v isainfo -v dmesg iostat -En	dmesg (<i>if you're lucky</i>)	dia -R full vmstat -P hwmgr -get category (5) hwmgr -show devices psrinfo pset_info sys_check /usr/bin/X11/dxsysinfo	?	machid getconf uname -a	list hardware configuration	
show/set EPROM/NVRAM values	bootlist -o -m normal	nvrnm	dg_sysctl grep BOOTPATH	?	setboot bootadmin (<i>at boot PROM</i>) stm	nvrnm printenv/setenv (<i>at command monitor</i>) stm	/dev/nvrnm (<i>if you have it</i>) hwclock	eprom	openprom (on OpenFirmware architectures)	in bdm (at boot stop or ctrl-a)	?	eeeprom	?	(4.0D+) consvar	?	?	show/set EPROM/NVRAM values	
add device without reboot	cfgmgr -v	(automatic — autodiskmounter)	N/A	camcontrol kldload	ioscan -fnCdevtype; insf -Cdevtype	scsiha -pr ioconfig -f /hw	modprobe kernel insmod	?	?	reinitdev changedev	mkdev	devfsadm, pre-Solaris 7, use: drvconfig; devlinks; [disks, tapes, ports]	?	(3.2.*) scu scan edit (4.0) scu scan edit; disklabel -rw rzXX label (for disks) (5.x) dsfmgr -k; disklabel -rw dskn auto	?	?	add device without reboot	
tape device	/dev/rmt0	?	/dev/rmt0	/dev/rmt0	/dev/rmt0	/dev/tape /dev/mtape	/dev/st0	/dev/st0	/dev/st0	/dev/ios0/rstape001	/dev/rct0	/dev/rmt/0	?	(5.x) /dev/ntape /dev/tape	?	tpmnt	tape device	
X kvm config	?	?	?	xf86config	?	?	xf86config	?	?	?	hwconfig	kdmconfig (x86)	?	?	?	?	X kvm config	
read a disk label	lspv -l	Disk Utility	admpdisk -o list admvdisk -o list	disklabel -r	diskinfo pvdisplay	prtvtoc	fdisk -l	disklabel -r disk mbrlabel	fdisk -r OR disklabel -rl	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)	?	c	?	10	?	c or d sysctl kern.rawpartition	c	/dev/ios0/rsdisk??s7 (??=000-999)	/dev/1s# (#=0,1,...)	2	c	c	c	?	whole disk in partition	
label a disk	mkvg	(labels unused)	admpdisk	fdisk disklabel -wr sysinstall	pvcreate	dvhtool fx -x	cfdisk fdisk e2label	disklabel -wr mbrlabel	disklabel -wr	dksetup	?	format	format	disklabel -rw	chpt -a	/etc/labelit	label a disk	
partition a disk	mkiv	pdisk	admpdisk	fdisk sysinstall	lvcreate sam	fx	parted (<i>if you have it</i>) fdisk pdisk (<i>on a MAC</i>)	disklabel -i	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	/boot/vmlinuz /boot/bootlx	/netbsd	/bsd	/unix	/unix	/kernel/genunix /platform/'uname -m'/ kernel/unix /platform/'uname -m'/ kernel/sparc9/unix (7+)	/vmunix	/vmunix	/vmunix	/vmunix	/unicos	kernel
show/set kernel parameters	/usr/samples/kernel/vmtune (<i>installed with the bos adt.samples.fileset</i>) /usr/sbin/no (<i>network-related</i>)	/usr/sbin/sysctl	vi /var/Build/ system_hostname;; reboot	/boot/kernel.conf sysctl /etc/sysctl.conf	sam sysdef kmtune (11+) getconf	systeme	/proc/* /proc/sys*	sysctl /etc/sysctl.conf	/etc/sysctl.conf	idtune	/etc/conf/cf.d/configure -x	sysdef getconf cat /etc/system nadd adb -k	?	dxkerneltuner sysconfig	?	?	show/set kernel parameters	
show runlevel	who -r	(runlevels unused)	who -r	?	who -r	who -r	/sbin/runlevel	N/A	?	who -r	who -r	who -r	who -r	who -r	who -r	who -r	show runlevel	
make disk bootable	bosboot -a	bless	dg_sysctl	?	mkboot	dvhtool	fdisk -A(<i>and hlo to manipulate mbr</i>)	fdisk -i installboot	?	dksetup	?	installboot /usr/platform/' uname -m' /lib/fs/ufs/bootblk raw_device_file	?	(4.x+) disklabel -rw -t [ufs/advfs]	?	?	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*	/etc/rc* (9) /sbin/rc* (10+) /etc/init.d/	/etc/rc* /etc/init.d/	/etc/rc* (but may vary) /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 *-normalstates for more detail see home.earthlink.net/~jaymzh666/runlevels.html	?	?	?	?	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: user-defined 5: firmware monitor	0: halt s,S,1: vendor-dependent 1: single-user 2-5*: multiuser 6: reboot	-1: permanent 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 6: reboot	?	?	0: shut down 1: single user 2: multi-user, no NFS 3: multi-user 6: reboot	?	run levels *-normalstates for more detail see home.earthlink.net/~jaymzh666/runlevels.html	
check swap space	lspv -a	ls -l /var/vm	admswap -o list -buv dg_sysreport -p freeswap	swapinfo pstat -s	swapinfo	swap -s swap -l	cat /proc/meminfo free	swapctl -l	swapctl	swap -l	swap -l	swap -s swap -l	pstat -s	swapon -s	?	/etc/swapper	check swap space	
"normal" filesystem	jfs hfs+	ufs hfs+	dg/ux	ufs	hfs	efs, xfs	ext2 ext3 ReiserFS	ffs (was ufs)	ffs (was ufs)	vxfs ufs (root)	hfs	ufs	4.2	(4) ufs (5) AdvFS	ufs	NCIFS C2FS	"normal" filesystem	
volume-based filesystem	jfs	?	?	ccd vinum	jfs (vxfs) LVM VxVM (S)	xl, xvm, xfs	LVM	ccd, raidframe	ccd	vdisk	vdisk	Solstice DiskSuite VxVM (S)	?	Advfs LSM	?	?	volume-based filesystem	
file system description	/etc/filesystems	NetInfo	/etc/fstab	/etc/fstab	/etc/checklist (9) /etc/fstab (10+)	/etc/fstab	/etc/fstab	/etc/fstab	/etc/fstab	/etc/vfstab /etc/dktab	/etc/mnttab /etc/default/filesys /etc/vfstab (<i>local</i>) /etc/mntab (<i>remote</i>)	/etc/vfstab (<i>local</i>)	/etc/fstab	/etc/fstab AdvFS: /etc/fdmns	/etc/fstab	/etc/fstab	file system description	

volume manipulation	smitty vg smitty lvm smitty ifs mkvg; chvg; rmvg mklv; chlv; rmlv mkfs; crfs; rmfs	Disk Utility / pdisk	sysadm	vinum cedconfig	vg*; lv*; pv* extendfs fsadm	xlv_mgr xvm	e2fsadm lvcreate lvremove lvextend	ccdconfig raidctl	?	dkconfig dkmirror	?	/opt/VRTSvxv/bin/vxvva (Veritas) /usr/opt/SUNWmd/ sbin/metatool (DiskSuite)	?	<i>AdvFS</i> : mkfdmn, mkfset, addvol, showfdmn <i>LSM</i> : volassist or volmake, volume, volplex and volsd, volprint	?	/etc/install/install	volume manipulation	
create filesystem	crfs	(automatic)	admfilesystem	newfs	mkfs newfs	mkfs	mke2fs	newfs	newfs	mkfs newfs	?	newfs mkfs	?	<i>AdvFS</i> : mkfdmn <i>UFS</i> : newfs <i>MFS</i> : mfs	?	bb mkfs labelit	create filesystem	
create non-0-length empty file	lmttemp	dd if=/dev/zero of= <i>filename</i> bs=1024 count= <i>desired</i>	?	truncate -s <i>size</i> [K M G] <i>filename</i> dd if=/dev/zero of= <i>filename</i> bs= <i>size</i> [b k m g] \count= <i>desired</i>	prealloc	mkfile	dd if=/dev/zero of= <i>filename</i> bs=1024k count= <i>desired</i>	dd if=/dev/zero of= <i>filename</i> bs=1024k count= <i>desired</i>	dd if=/dev/zero of= <i>filename</i> bs=1024k count= <i>desired</i>	dd if=/dev/zero of= <i>filename</i> bs=1k	dd if=/dev/zero of= <i>filename</i> bs=1024 count= <i>desired</i>	mkfile	?	dd if=/dev/zero of= <i>filename</i> bs=1024k count= <i>desired</i>	?	?	create non-0-length empty file	
mount CDROM	mount -v cdrfs -o ro /dev/cd0 /cdrom smitty cdrom	(automatic — autiodiskmounter)	mount -t cdrom /dev/pdisk/disk/cdrom	mount /cdrom mount_cd9660 /dev/acd0? /cdrom	pfs_mountd pfsd pfs_mount pfs_mount mount /dev/dsk/ctydz /SD_CDROM	(mounts automatically when CD inserted)	mount /cdrom	mount /dev/cd0a path	mount -t cd9660 -r /dev/cd0a path	mount -F hs ... sysadm	mount /dev/cd0 path	/etc/init.d/vold start; volcheck <i>or</i> mount -F hsfs /dev/sr0 /cdrom	?	mount /dev/disk/cdromXa /mnt mount -t cdrfs -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/exports	/etc/exports	/etc/sharetab	/etc/exports	/etc/dfs/dfstab dfshares	/etc/exports	/etc/exports	?	/etc/exports	NFS share definitions	
NFS share command	exportfs -a	?	exportfs -a	kill -s HUP `cat /var/run/mountd.pid`	exportfs -a	exportfs -a	/etc/init.d/nfs-server reload (rh) exportfs -a	kill -s HUP `cat /var/run/mountd.pid` /etc/rc.d/mountd reload	kill -HUP `cat /var/run/mountd.pid`	share shareall	exportfs -a etc/nfs start	share shareall	exportfs -a	/sbin/init.d/nfs start; /sbin/init.d/nfsmount start	?	exportfs -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/resolv.conf	/etc/nsswitch.conf /etc/resolv.conf	/etc/nsswitch.conf /etc/resolv.conf	/etc/resolv.conf	/etc/netconfig	?	/etc/nsswitch.conf	?	/etc/svc.conf	?	/etc/hosts.usenames	name resolution order	
show network interface info	ifconfig -a no -a netstat -i lsattr -E -l entX	ifconfig -a	netstat -i ifconfig	ifconfig -a	lanadmin landiag lanscan netstat -in ifconfig lanx	ifconfig -a netstat -ia	/sbin/ifconfig	ifconfig -a netstat -in	ifconfig -A	ifconfig -a inetstat -in	ifconfig -a netstat -in Network Config. Mgr. (GUI)	ndd ifconfig -a netstat -in netstat -in (8+) kstat -n hme0 egrep 'ifspeed duplex'	?	ifconfig -a netstat -in	?	ifconfig -a netstat -in	show network interface info	
change IP	smitty chinnet chdev -a netaddr= <i>newIP</i> -I <i>en#</i>	System Preferences: Network NetInfo	sysadm	<i>edit</i> /etc/rc.conf (option [f]config_ <i>interfacename</i>) ifconfig	/sbin/set_parms initial ifconfig	<i>edit</i> : /etc/{hosts, sys_id, resolv.conf, TIMEZONE}, /etc/config [static-route.options, ifconfig-1.options]; reboot	(rh) <i>edit</i> : /etc/hosts, /etc/sysconfig/network, /etc/sysconfig/ network-scripts/ ifcfg-eth0 (deb) <i>edit</i> /etc/network/interfaces; /etc/init.d/networking restart	<i>edit</i> /etc/ifconfig.interface dhclient	<i>edit</i> /etc/hostname.driver	sysadm ifconfig (temp.) vi /etc/default/inet	ifconfig netconfig	<i>edit</i> : /etc/{resolv.conf, hosts, hostname.*, netmasks, nodename, dumpadm.conf, net/*hosts} sys-unconfig; reboot	?	(4.x) netsetup (5.x) sysman net_wizard <i>or</i> netconfig	?	netconfig ifconfig initif /etc/install/install	change IP	
ping one packet	ping -c 1 <i>hostname</i>	ping -c 1 <i>hostname</i>	ping -s -c 1 <i>hostname</i>	ping -c 1 <i>hostname</i>	ping <i>hostname</i> 10 1 (9) ping <i>hostname</i> -n 1 (10+)	ping -c 1 <i>hostname</i>	ping -c 1 <i>hostname</i>	ping -c 1 <i>hostname</i>	ping -c 1 <i>hostname</i>	ping -c 1 <i>hostname</i>	ping -c 1 <i>hostname</i>	ping <i>hostname</i> <i>packetsize</i> 1	ping <i>hostname</i> <i>packetsize</i> 1	?	ping <i>hostname</i>	ping one packet		
sniff network	iptrace ipreport	tcpdump	?	tcpdump trafshow	netl netfmt	snoop tcpdump	etherfind tcpdump	?	tcpdump	tcpdump	?	snoop	etherfind	?	?	?	sniff network	
route definitions	netstat -r smitty route	netstat -r	sysadm	<i>edit</i> /etc/rc.conf (option [default]router) netstat -r route	/etc/rc.config.d/netconf netstat -r	/etc/config/ static-route.options	netstat -r route show	netstat -r route show	netstat -r	netstat -r	netstat -r	/etc/default/router /etc/notrouter	?	/etc/routes	?	netstat -r	route definitions	
telnet, ftpd banner	/etc/security/login.cfg	/etc/ftpwelcome	?	/etc/ftpwelcome	/etc/inetd.conf (telnet)	/etc/issue	/etc/issue.net (telnet) (ftp varies; can use tcp wrappers)	?	?	/etc/issue	?	/etc/default/telnetd /etc/default/ftpd	?	/etc/issue	?	/etc/issue /etc/motd	telnet, ftpd banner	
encrypted passwords in	/etc/security/passwd	NetInfo	/etc/shadow	/etc/master.passwd	/etc/passwd (not Trusted) /secure/etc/passwd (Trusted 9) /tcb/files/auth/ (10+)	/etc/shadow	/etc/shadow (may vary)	/etc/master.passwd (etc/pwd.db)	/etc/master.passwd (etc/pwd.db)	/etc/shadow	/etc/shadow	/etc/shadow	?	/tcb/files/auth (only with Enhanced Security)	/etc/shadow	/etc/udb	encrypted passwords in	
allow/deny root logins	/etc/security/user	/etc/ttyss (doesn't affect ssh)	/etc/default/login	/etc/login.access; /etc/ttyss	/etc/securetty	/etc/default/login	/etc/securetty	/etc/ttyss	/etc/ttyss	/etc/default/login	/dev/default/login	/etc/default/login	?	/etc/securettyss	?	udbrestrict -R	allow/deny root logins	
show installed software	lspp -L	ls /Applications Apple System Profiler ls /Network/Applications /Network/Users/*/ Applications /Users/*/ Applications	pkginfo	pkg_info	rmfn, what (HP-UX 9) swlist (HP-UX 10+)	versions showfiles showprods	(rh) rpm -a -i (rh) rpm -qa (deb) dselect (deb) dpkg -l	pkg_info	pkg_info	pkginfo -l sysadm	swconfig displaypkg pkginfo	pkginfo prodreg admintool	?	setld -i	?	?	show installed software	
add software	smitty install_all smitty installp /usr/lib/instr/sm_inst installp_cmd -a -d 'device' -c 'N' -g 'X'	drag-and-drop	sysadm	/stand/sysinstall /usr/ports make pkg_add	swinstall	inst swmgr	(rh) rpm -hiv (deb) dselect apt-get install <i>pkg</i> (deb) dpkg -i	pkg_add /usr/pkgsrc && make	pkg_add /usr/ports && make	pkgadd sysadm	custom installpkg SCOadmin (GUI)	pkgadd	?	setld -l	?	?	add software	
precompiled binaries of GPLware and freeware	aixpdslib.seas.ucla.edu/aixpdslib.html www.free.bull.com/docs/download.htm	link.sourceforge.net	?	ftp.freebsd.org/pub/FreeBSD/www.freebsd.org	hpux.cs.utah.edu hpux.connect.org.uk	freeware.sgi.com www.sgi.com/fun	www.linux.org linux.tucows.com	ftp://ftp.netbsd.org/pub/NetBSD/packages	<a href="http://ftp://ftp.openbsd.org/pub/OpenBSD/<version>/packages">ftp://ftp.openbsd.org/pub/OpenBSD/<version>/packages	?	www.caldera.com/skunkware	www.sunfreeware.com	?	www.true6unix.compaq.com/demos pegsvr.zk3.dec.com/freeware/bl_packages.html	?	?	precompiled binaries of GPLware and freeware	
C compiler	/usr/ibmcxx/bin/cc	/usr/bin/cc (hacked gcc)	/usr/sde/default/usr/bin/cc	/usr/bin/cc (gcc)	/opt/softbench/bin/cc (\$) /bin/cc (9) /usr/bin/cc (10+; not ANSI; kernel builder only)	/opt/MIPSpro/ bin/cc (\$) /usr/bin/cc	gcc	/usr/bin/cc	/usr/bin/cc	/usr/bin/cc	/usr/bin/cc	/usr/bin/cc	/opt/SUNWspr/ bin/cc (\$)	/usr/bin/cc	/usr/bin/cc	?	/opt/ct/bin/cc	C compiler
show patch level and/or patches	instfix -ivq oslevel -r	Apple>About This Macs /Library/Receipts uname -a lsbom cat /System/Library/CoreServices/SystemVersion.plist	what /dguv	uname -a	swlist -l product grep PHSomeString	versions -b grep patch (6.4-) uname -R (6.5+)	(rh) rpm -q (deb) dpkg -s	cat /kern/version uname -a	?	uname -a pkginfo	swconfig -P	showrev -p prodreg (2.6+) patchadd -p	?	dupatch -track -type kit dupatch -track -type patch setld -i grep <i>patchname</i>	?	?	show patch level and/or patches	
patch tool	installp smitty update_all	System Preferences / Software Update softwareupdate	dg_sysreport -p patches	(cvsup <i>or</i> cvs to update, then rebuild)	update (9) swinstall (10+)	inst swmgr	apt-get update apt-get upgrade	cvs	cvs/CTM	pkgadd sysadm	?	installpatch (2.5.1-) patchadd (2.6+) pkgadd /usr/sadm/bin/smpatch (9+)	?	setld -i dupatch	?	?	patch tool	
configure/show runtime linking		otool -L	?	ldd ldconfig	chattr	ldd rld	ldconfig ldd	?	?	ldd	?	crle ldd pldd	?	odump -DI ldd	?	?	configure/show runtime linking	
link library path	\$LIBPATH	man dyld	\$LIBPATH	\$LD_LIBRARY_PATH	\$SHLIB_PATH	\$LD_LIBRARY_PATH \$RLD*_PATH	\$LD_LIBRARY_PATH	?	?	\$LD_LIBRARY_PATH	?	\$LD_LIBRARY_PATH	?	?	?	\$LDPATH	link library path	

tracing utility	truss syscalls truss	ktrace	?=dg_strace (>=4.20MU06)	ktrace truss ktrace	trace (freeware) tusc (11+, freeware)	par prfstat	strace ktrace	ktrace ktruss	ktrace ptrace	truss scstat	?	truss sotruss	trace truss	?	cdbx jumptrace	tracing utility	
define user defaults	/etc/security/ mkuser.default /etc/environment	/usr/bin/defaults	admuser -o set	/etc/login.conf	/etc/default /etc/PATH	/etc/default/login /etc/profile	/etc/profile /etc/security/	?	?	/etc/default/login /etc/profile \$HOME/.profile	?	/etc/default/login /etc/profile /etc/security/ /etc/.login	?	?	udbgen nu scripts	define user defaults	
csch global .login	?	/etc/csh.login	?	/etc/csh.login	/etc/csh.login	/etc/cshrc	?	/etc/csh.login	?	?	?	?	?	?	/etc/login	csch global .login	
default syslog	/var/adm/syslog	/var/log/system.log	/var/adm/messages	/var/log/messages	/var/adm/syslog/syslog.log	/var/adm/SYSLOG	/var/log/syslog /var/log/messages	/var/log/messages	/var/log/messages	/var/adm/log/messages	/usr/adm/syslog /var/adm/log/osmlog	/var/log/syslog	?	(4.x+) /var/adm/messages /var/adm/syslog.dated (kern, auth, daemon, lpr, syslog, user) /var/adm/binary.errlog	?	/usr/adm/messages	default syslog
system error reporting tool	errpt	Console /var/log/crash.log, dmesg	admssyslog -o report	dmesg	dmesg sysdiag (9 and early10) stm/cstm/mstm/xstm (10.20+) EMS (from support CD)	sysmon amsyslog availmon eventmond imdmmonit syserrpanel	dmesg (deb) reportbug	dmesg cat /kern/msgbuf	dmesg	sysadm log3 WebSysAdmin	dmesg	prtdiag	dmesg	(4.x) uerf; dia (DECEvent) (5.x) (System errors) EVM (evmget; evmshow) (Hardware errors) dia; ca (Compqqa analyze)	uerf	errpt	system error reporting tool
performance monitoring	ftp://fp.software.ibm.com/aix-faq/part1/perfmr vmstat; iostat; sar; filemon; trace; svmon; netpmon	vm_stat; nfsstat; fs_xenget; sc_usage; top Process Viewer	?	?	fstat; nfsstat; systat; vmstat; netstat; sockstat; uustat; top; iostat	pcp; dkstat; pmkstat; sar; osview; gr_osview; ecstat; linkstat; netstat; nfsstat; nfsvis; nodevis; routervis; nstats; top	vmstat	iostat; netstat; systat; vmstat	iostat; pstat; systat; vmstat	vmstat; mpstat; dkstat; sar; netstat; scstat	?	sar; iostat; kstat; mpstat; netstat; nfsstat; prstat; trapstat; vmstat	?	/usr/opt/sv4b/bin/sar	?	sar; xsar; tsar; xsam; xscc; xns; xnetmon; nfsstat; perfmon; jac; mppview; xmppview; sam; csam	performance monitoring
FAQs (see also faqs.org)	www.faqs.org/faqs/aix-faq/part1/preamble.html	www.darwininfo.org/faq.shtml www.macosxhints.com	www.csc.dg.com/csc/dguxfaqs1.asp	www.freebsd.org/doc/en_US.ISO8859-1/books/faq	www.faqs.org/faqs/hp/hpux-faq/preamble.html	techpubs.sgi.com/library/tpl/cgi-bin/browse.cgi?coll=0650&db=FAQ	www.linuxdoc.org/FAQ/Linux-FAQ www.debian.org/doc/FAQ	www.netbsd.org/Documentation	www.openbsd.org/faq	?	pcunix.com/SCOFAQ/	www.faqs.org/faqs/Solaris2/FAQ/ www.faqs.org/faqs/Solaris2/x86FAQ/ www.stokejely.com/unix_sysadm_resources/faqs.sun.html	www.faqs.org/faqs/comp-sys-sun-faq/	www2.tru64.org/faq/tru64_faq.php	www.supelec.fr/decus/faq/faq-ultrix.html	www.spikynorman.net	FAQs (see also faqs.org)
mailing list	AIX-L@pucc.princeton.edu (LISTSERV)	lists.apple.com	?	www.freebsd.org/handbook/resources.html#RESOURCES-MAIL	hpux-admin@hp.com (majordomo)	?	www.linux.org/help/lists.html	www.netbsd.org/MailingLists	www.openbsd.org/mail.html	?	?	sun-managers@sunmanagers.org (majordomo)	sunmanagers@ececs.uc.edu (majordomo)	tru64-unix-managers@ornl.gov (majordomo) http://www.ornl.gov/its/archives/mailling-lists/	decstation-managers@ornl.gov (majordomo)	?	mailing list
mailing list archives	www.marist.edu/htbin/wlindex?ADSM-L marc.theaimsgroup.com/?l=aix-l&r=1&w=2	lists.apple.com	?	www.freebsd.org/search.html#mailinglists	www.dutchworks.nl/htbin/hpsysadmin	?	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/cuunix/cuunix.html	comp.sys.mac.*	?	comp.unix.bsd.freebsd.misc	comp.sys.hp.hpux	comp.sys.sgi.admin	comp.os.linux.* (esp .answers)	comp.unix.bsd.netbsd.misc	comp.unix.bsd.openbsd.misc	?	comp.unix.sco.misc	comp.sys.sun.admin , comp.unix.solaris	comp.sys.sun.admin	comp.sys.dec , comp.unix.tru64	comp.unix.ultrix	comp.unix.cray	newsgroup(s) groups.google
user groups	www.userblue.org	www.apple.com/usergroups www.omnigroup.com/developer/maillinglists www.themacintoshguy.com/lists/X.html	?	www.freebsd.org/support.html#user	www.interex.org	?	www.debianhelp.org	?	www.deadly.org	?	?	?	?	Encompass/DECUS	?	www.cug.org www.excray.com	user groups
magazines	www.developer.ibm.com/library/aixpert	www.macworld.com www.stepwise.com	?	www.daemonnews.com	www.hpchronicle.com www.interex.org/hpuxsr www.hppro.com	www.sgi.com/support/pipeline.html	www.linuxjournal.com www.linux-mag.com www.debianplanet.org	www.daemonnews.com	?	?	?	www.sunworld.com sun.com/sun-on-net/itworld	?	www.tru64.org	?	?	magazines
vendor home page	www.developer.ibm.com/tech/map/aixrm.html	www.apple.com	www.csc.dg.com/csc/default.asp	www.freebsd.org	www.unixsolutions.hp.com/products/hpux	www.sgi.com/software/software.html#IRIX	www.linux.org www.redhat.com www.debian.org	www.netbsd.org	www.openbsd.org	www.fujitsu-siemens.com	www.caldera.com/products/openunix	sun.com/solaris sun.com/bigadmin sun.com/developers/support/solde.sun.com access1.sun.com	?	www.tru64unix.compaq.com	www.supelec.fr/decus/faq/faq-ultrix.html	www.cray.com	vendor home page
vendor docs and patches	www.redbooks.ibm.com/techsupport/services.ibm.com/ server.support?view=pSeries	developer.apple.com/darwin www.info.apple.com/support/downloads.html www.apple.com/support/security/security.html	www.csc.dg.com/csc/custdocsasp/custdocs2.asp?category=069docs.asp	www.freebsd.org/handbook www.freebsd.org/releases/4.0R/errata.html	docs.hp.com irc.hp.com	techpubs.sgi.com www.sgi.com/support/patch_intro.html support.sgi.com relnotes grelnotes	www.linuxdoc.org/rpmpfind.net/linux/RPM	www.netbsd.org/Security	www.openbsd.org/docum.html	service.fujitsu-siemens.com	www.caldera.com/support	docs.sun.com sunsolve.sun.com	?	www.tru64unix.compaq.com/docs	?	www.cray.com/craydoc	vendor docs and patches
vendor phone (US)	AIX: 800-237-5511 IBM hardware: 800-426-7378	1-800-MY-APPLE	?	925-674-0783 (FreeBSD Mail)	800-633-3600	800-800-4SGI	?	?	?	(Germany) +49-5251-80	?	800-USA-4SUN	?	800-344-4825	800-344-4825	?	vendor phone (US)
TASK / OS	AIX	Darwin	DG/UX	FreeBSD	HP-UX	IRIX	Linux	NetBSD	OpenBSD	Reliant	SCO UnixWare	Solaris	SunOS	Tru64 (Digital Unix, OSF/1) (4) 4.0F/G (5) 5.0A	Ultrix	UNICOS	OS \ TASK

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://solddc.sun.com/migration/hpux/migissues/>

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

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