

This custom drawing feature requires 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.

A Sysadmin's Unixersal 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!																
Framed version, PDF version (legal size, print with landscape orientation. If your browser plug-in has trouble with the PDF, then download it and load it in stand-alone acroread).																
Based on Pat Wilson's 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																
Categories:																
hardware, firmware, devices		disks	kernel, boot, swap	files, volumes												
networking		security, backup	software, patching, tracing, logging	references												
TASK \ OS	AIX	Darwin	Caldera OpenServer	DG/UX	FreeBSD	HP-UX	IRIX	Linux	NetBSD	OpenBSD	Solaris	SunOS	Tru64	Ultrix	OS / TASK	
<i>OS notes</i>		The Open Source foundation for Mac OS X, descended from NeXTStep	UnixWare 7.1. Formerly SCO					(rh) = Red Hat, Mandrake, Suse... (deb) = Debian, Storm, Progeny, Core...					(Digital Unix, OSF/1) (4)= 4.0/F/G (5)= 5.0A		OS notes	
		smit smitty wsm	Aqua: System Preferences, NetInfo Manager	scoadmin	sysadm	/stand/sysinstall	sam	/usr/sysadm/bin/sysmgr (6.3+) toolchest /usr/Cadmin/bin/*	linuxconf yast2 (Suse)		solstice admin tool smc (8.0/10+)		checklist (5) sysman			
managing users	lsuser mkuser chuser rmuser		useradd userdel		pw	useradd userdel	/usr/Cadmin/bin/cpeople	useradd userdel		useradd userdel adduser (<i>interactive</i>)	useradd userdel					
list hardware configuration	prtconf lscfg lsattr lsdev	ioreg -bls	hwconfig hw scoadmin/DCU /usr/lib/X11/testtools/z35SysInfo	dg_sysreport -g hardware	dmesg cat /var/run/dmesg.boot	ioscan dmesg (<i>if you're lucky</i>) adb model stm (<i>from the SupportPlus CDROM</i>)	hinv	dmesg (<i>if you're lucky</i>) /proc/cpuinfo /proc/pci /proc/meminfo /proc/interrupts /proc/iports lspci	dmesg cat /var/run/dmesg.boot	dmesg cat /var/run/dmesg.boot	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>)	uerf -R -o full dia -R full (5) hwmgr -show devices	uerf -R -o full (<i>if you're lucky</i>)	list hardware configuration	
show/set EEPROM/NVRAM values	bootlist -o -m normal	nvram			pciconf -l	setboot bootadmin (<i>at boot PROM</i>) stm	nvram printenv/setenv (<i>at command monitor</i>)	/dev/nvram (<i>if you have it</i>) hwclock		openprom (on OpenFirmware architectures)	eeprom		(4.0D+) consvar		show/set EEPROM/NVRAM values	
add device without reboot	cfgmgr -v	(automatic — autodiskmounter)	mkdev			ioscan -fnCdevtype; insf -Cdevtype	scsiba -pr ioconfig -f /hw	modprobe kerneld insmod			devfsadm. <i>pre-Solaris 7</i> , use: drvconfig; devlinks; {disks, tapes, ports}		(3.2,*) scu scan edt (4.0) scu scan edt; disklabel -rw rzXX label (for disks) (5.x) dsfmg -k; disklabel -rw dskn auto		add device without reboot	
tape device	/dev/rmt0		/dev/rct0		/dev/rsa0	/dev/rmt/0	/dev/tape /dev/nrtape	/dev/st0		/dev/st0	/dev/rmt/0		(5.x) /dev/ntape /dev/tape		tape device	
X kvm config			hwconfig					xf86config			kdmconfig (x86)				X kvm config	
read a disk label	lspv -l	Disk Utility	fsname	admpdisk -o list admvdisk -o list	disklabel -r	diskinfo pvdisplay	prtvtoc	fdisk -l	disklabel -r	fdisk -r OR disklabel -rl	prtvtoc	dkinfo	disklabel -r	chpt -q	read a disk label	
whole disk in partition	N/A	(non-root partitions are mounted under /Volumes)	/dev/1s# (#=0,1,...)		c		10		d (on i386) c (everything else)	c	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	disklabel -wr	format	format	disklabel -rw	chpt -a	label a disk	
partition a disk	mkly	pdisk		admpdisk	fdisk sysinstall	lvcreate sam	fx	parted (<i>if you have it</i>) fdisk pdisk (<i>on a MAC</i>)	disklabel	fdisk -e OR disklabel -E	format fmthard	format	disklabel -e	chpt -p	partition a disk	
kernel	/unix		/unix	/dgux	/kernel	/hpux (9) /stand/vmunix (10+)	/unix	/boot/vmlinuz /boot/bootlx	/netbsd	/bsd	/kernel/genunix /platform/`uname -m`/kernel/unix /platform/`uname -m`/kernel/sparcv9/unix (7+)	/vmunix	/vmunix	/vmunix	kernel	
show/set kernel parameters	/usr/samples/kernel/vmtune (installed with the bos adt.samples fileset) /usr/sbin/no (network-related)		/etc/conf/cf.d/configure -x		/boot/kernel.conf sysctl /etc/sysctl.conf	sam sysdef kmktune (11+)	systune	/proc/* /proc/sys/*		/etc/sysctl.conf	sysdef cat /etc/system ndd adb -k			dxkerneltuner sysconfig		show/set kernel parameters
show runlevel	who -r	(runlevels unused)	who -r	who -r		who -r	who -r	/sbin/runlevel			who -r		who -r		show runlevel	
make disk bootable	bosboot -a					mkboot	dvhtool	fdisk -A(<i>and lilo to manipulate mbr</i>)			installboot /usr/platform/`uname -m`/lib/fs/ufs/bootblk raw_device_file		(4.x+) disklabel -rw -t [ufs/adufs]		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/rc*	/etc/rc* /etc/init.d/	/etc/rc*	/sbin/init.d; links in /sbin/rc?.d	/etc/rc*	startup scripts	
csh global login						/etc/csh.login	/etc/cshrc				/etc/.login				csh global login	
check swap space	lsp -a	ls -l /var/vm	swap -l	admswap -o list -buv dg_sysreport -p freeswap	swapinfo	swapinfo	swap -s swap -l	cat /proc/meminfo free	swapctl	swapctl	swap -s swap -l	pstat -s	swapon -s		check swap space	
configure runtime linking								ldconfig			crle				configure runtime linking	
"normal" filesystem	jfs	ufs hfs+	htfs	dg/ux	ufs	hfs	efs, xfs	ext2 ext3 ReiserFS	ffs (was ufs)	ffs (was ufs)	ufs	4.2	(4) ufs (5) AdFS	ufs	"normal" filesystem	
volume-based filesystem	jfs		vdisk		ccd vinum	jfs (vxfs)	xlv, xvm, xfs	Linux Volume Manager (LVM)	ccd, raidframe	ccd	Solstice DiskSuite Veritas Volume Manager		Advfs LSM		volume-based filesystem	
file system description	/etc/filesystems	NetInfo		/etc/mnttab /etc/default/filesys /etc/vfstab (local) /etc/rmtab (remote)	/etc/fstab	/etc/fstab	/etc/fstab	/etc/fstab	/etc/fstab	/etc/fstab	/etc/vfstab (local)	/etc/fstab	/etc/fstab AdvFS: /etc/fdmns	/etc/fstab	file system description	

volume manipulation	smitty vg smitty lvm smitty jfs mkvg; chvg; rmvg mklv; chlv; mlv mkfs; crfs; rmfs	Disk Utility / pdisk		sysadm	vinum	vg*; lv*; pv* extendfs fsadm	xlv_mgr xvm	e2fsadm lvrecreate lvreremove lvrextend		/opt/VRTSVXVA/bin/vxva (Veritas) /usr/opt/SUNWmd/ sbin/metatool (DiskSuite)		AdvFS: mkfdmn, mkfset, advvol, showfdmn LSM: volassist or volmake, volume, volplex and volsd, volprint		volume manipulation	
create filesystem	crfs					mkfs	mkfs	mke2fs		newfs mkfs		AdvFS: mkfdmn UFS: newfs MFS: mfs		create filesystem	
create non-0-length empty file	lmktemp		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[b k m g] \ count=desired	prealloc	mkfile	dd if=/dev/zero of=filename bs=1024k count=desired		dd if=/dev/zero of=filename bs=1024k 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 /dev/cd0 path		mount /cdrom mount_cd9600 /dev/acd0? /cdrom	pfs_mountd pfsd pfs_mount	(mounts automatically when CD inserted)	mount /cdrom		mount -t cd9660 -r /dev/cd0a /path	/etc/init.d/vold start; volcheck or mount -F hsfs /dev/sr0 /cdrom				mount CDROM
NFS share definitions	/etc/exports /etc/xtab	NetInfo	/etc/exports		/etc/exports	/etc/exports	/etc/exports	/etc/exports	/etc/exports	/etc/dfs/dfstab	/etc/exports	/etc/exports			NFS share definitions
NFS share command	exportfs -a		exportfs -a /etc/nfs start		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`	kill -HUP `cat /var/run/mountd.pid`	share shareall	exportfs -a	/sbin/init.d/nfs start; /sbin/init.d/nfsmount start		NFS share command
name resolution order	/etc/netsvc.conf	NetInfo			/etc/host.conf	/etc/nsswitch.conf	6+: /etc/nsswitch.conf 5.3: /etc/resolv.conf	/etc/nsswitch.conf /etc/resolv.conf		/etc/resolv.conf	/etc/nsswitch.conf		/etc/svc.conf		name resolution order
show network interface info	ifconfig -a no -a netstat -i	ifconfig -a	ifconfig -a netstat -in Network Config. Mgr. (GUI)		ifconfig -A	lanadmin landiag lanscan netstat -in	ifconfig -a netstat -ia	/sbin/ifconfig	ifconfig -a	ifconfig -A	ndd ifconfig -a netstat -in (8+) kstat -n hme0 grep 'ifspeed/duplex'		ifconfig -a netstat -in		show network interface info
change network address	smitty chinet	System Preferences: Network NetInfo	ifconfig netconfig	sysadm	edit /etc/rc.conf (option ifconfig_interfacename)	/sbin/set_parms initial	edit: /etc/{hosts, sys_id, resolv.conf, /etc/sysconfig/network, /etc/sysconfig/network-scripts/ ifcfg-eth0 (deb) edit /etc/config/ (static-route.options, ifconfig-1.options); reboot	(rh) edit: /etc/hosts, sys_id, resolv.conf, /etc/sysconfig/network, /etc/sysconfig/network-scripts/ ifcfg-eth0 (deb) edit /etc/network/interfaces; /etc/init.d/networking restart	edit /etc/ifconfig.interface dhclient	edit /etc/hostname.driver	edit: /etc/{resolv.conf, hosts, hostname*, nodename, dumpadm.conf, net/*/hosts} sys-unconfig; reboot		(4.x) netsetup (5.x) sysman net_wizard or netconfig		change IP
ping one packet	ping -c 1 hostname	ping -c 1 hostname	ping -c 1 hostname	ping -s -c 1 hostname	ping -c 1 hostname	ping hostname 10 1 (9) ping hostname -n 1 (10+)	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 one packet
route definitions	netstat -r smitty route		netstat -r	sysadm	edit /etc/rc.conf (option defaultrouter)	/etc/rc.config.d/netconf	/etc/config/static-route.options	(rh) /etc/sysconfig/network (rh) /etc/sysconfig/static-routes (deb) /etc/init.d/network (deb) /etc/network		netstat -r route show	/etc/defaultrouter /etc/notrouter		/etc/routes		route definitions
telnetd, ftpd banner	/etc/security/login.cfg					/etc/inetd.conf (telnet)	/etc/issue	/etc/issue.net (telnet) (ftp varies; can use tcp wrappers)			/etc/default/telnetd /etc/default/ftpd				telnetd, ftpd banner
encrypted passwords in	/etc/security/passwd	NetInfo	/etc/shadow	/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		/tcbs/files/auth (only with Enhanced Security)	/etc/shadow	encrypted passwords in
allow/deny root logins	/etc/security/user	/etc/ttys (doesn't affect ssh)	/dev/default/login	/etc/default/login	/etc/login.access; /etc/ttys	/etc/securetty	/etc/default/login	/etc/securetty	/etc/ttys	/etc/ttys	/etc/default/login		/etc/securettys		allow/deny root logins
show installed software	lslpp -L	ls /Applications	swconfig displaypkg pkginfo	pkginfo	pkg_info	rmfn, what (HP-UX 9) swlist (HP-UX 10+)	versions showfiles	(rh) rpm -a -i (rh) rpm -qa (deb) dselect (deb) dpkg -l	pkginfo	pkg_info	pkginfo prodreg admin tool		setld -i		show installed software
add software	smitty install_all smitty installp /usr/lib/install/sm_inst installp_cmd -a -d 'device' -c 'N' -g 'X'		custom installpkg SCOAdmin (GUI)		/stand/sysinstall /usr/ports make pkg_add	swinstall	inst swmgr	(rh) rpm -hiv (deb) dselect (deb) apt-get install pkg (deb) dpkg -i	pkg_add /usr/ports && make	pkg_add /usr/ports && make	pkgadd		setld -i		add software
precompiled binaries of GPLware and freeware	aixpdslib.seas.ucla.edu/ aixpdslib.html www-free.bull.com/ docs/download.htm	fink.sourceforge.net/			ftp://ftp.freebsd.org/0/ FreeBSD/ports/i386/ packages-4.0-release	hpxux.cs.utah.edu/ hpxux.connect.org.uk/	freeware.sgi.com www.sgi.com/fun	www.linux.org/ linux.tucows.com	ftp://ftp.netbsd.org/pub/ NetBSD/packages/		www.sunfreeware.com/		www.tru64unix.compaq.com/ demos tpgsrvr.zk3.dec.com/ freeware/tbl_packages.html		precompiled binaries of GPLware and freeware
C compiler	/usr/ibmcxx/bin/cc	/usr/bin/cc (hacked gcc)	/usr/bin/cc	/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	/opt/SUNWspro/ bin/cc (\$)	/usr/bin/cc	/usr/bin/cc	/usr/bin/cc	C compiler
show patch level and/or patches	instfix -ivq	Apple:About This Mac ls /Library/Receipts	swconfig -P		uname -a	swlist -l product grep someString	versions -b grep patch (6.4-) uname -R (6.5+)	(rh) rpm -q (deb) dpkg -s	cat / kern/version		showrev -p prodreg (2.6+) patchadd -p		dupatch -track -type kit dupatch -track -type patch setld -i grep patchname		show patch level and/or patches
patch tool	installp smitty update_all	System Preferences / Software Update		dg_sysreport -p patches	(cvsup or cvs to update, then rebuild)	update (9) swinstall (10+)	inst	(deb) apt-get update (deb) apt-get upgrade	cvs	cvs/CTM	installpatch (2.5.1-) patchadd (2.6+) pkggadd /usr/sadm/bin/smpatch (9+)		setld -i dupatch		patch tool
tracing utility	trace syscalls	ktrace			ktrace truss ltrace	trace (freeware) tusc (11+, freeware)	par	strace ltrace	ktrace ltrace	ktrace ptrace	truss sotru	trace	trace truss		tracing utility

default syslog	/var/adm/syslog	/var/log/system.log	/usr/adm/syslog /var/adm/log/osmlog	/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/log/syslog		(4.x+) /var/adm/messages /var/adm/syslog.dated (kern, auth, daemon, lpr, syslog, user) /var/adm/binary.erelog		default syslog
system error reporting tool	errpt	Console /var/log/crash.log, dmesg	dmesg	admsyslog -o report	dmesg	dmesg sysdiag (9 and early 10) stm/cstm/mstnm/xstm (10.20+)	sysmon amsyslog availmon eventmon imdmmonitor syserpanel	dmesg	dmesg cat /kern/msgbuf	dmesg	prtdiag	dmesg	(4.x) uerf; dia (DECevent) (5.x) (System errors) EVM (evmget; evmshow) (Hardware errors) dia; ca (Compaq analyze)	uerf	system error reporting tool
performance monitoring						dkstat; pmkstat	vmstat		iostat; pstat; systat; vmstat	sar; iostat; kstat; mpstat; netstat; nfsstat; prstat; trapstat; vmstat					performance monitoring
FAQs	www.faqs.org/faqs/aix-faq/part1/preamble.html	www.darwinfo.org/faq.shtml	pcunix.com/SCOFAQ/	www.csc.dg.com/csc/dguxfaqs1.asp	www.freebsd.org/doc/en_US.ISO8859-1/books/faq/	www.faqs.org/faqs/hip/hpux-faq/preamble.html	techpubs.sgi.com/library/tpl/cgi-bin/browse.cgi?coll=0650&db=FAQ	www.linuxdoc.org/FAQ/Linux-FAQ/	www.netbsd.org/Documentation/	www.openbsd.org/FAQ/	www.faqs.org/faqs/Solaris2/FAQ/	www2.tru64.org/faq/tru64_faq.php	www.supelec.fr/ducus/faq/faq-ultrix.html	FAQs	
mailing list	AIX-L@pucc.princeton.edu (LISTSERV)	lists.apple.com/			www.freebsd.org/handbook/eresources.html#RESOURCES-MAIL	hpx-admin@dutchworks.nl (majordomo)		www.linux.org/help/lists.html	www.netbsd.org/MailingLists	www.openbsd.org/mail.html	sun-managers@sunmanagers.eecs.uc.edu (majordomo)	tr64-unix-magers@ornl.gov (majordomo)	http://www.ornl.gov/its/archives mailing-lists/	destation-managers@ornl.gov (majordomo)	mailing list
mailing list archives	www.marist.edu/bin/wlvindex?ADSM-L marc.theaimsgroup.com/?l=aix-l&r=1&w=2	lists.apple.com/			www.freebsd.org/search.html#mailinglists	www.dutchworks.nl/bin/hpysadmin			www.netbsd.org/MailingLists	www.openbsd.org/mail.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/cuaix/cuaix.html		comp.unix.seo.misc		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.sys.sun.admin, comp_unix.solaris	comp.sys.dec, comp_unix.tru64	comp_unix.ultrix	newsgroup(s) groups.google	
user groups	www.userblue.org					www.interex.org/				www.deadly.org/			Encompass/DECUS		user groups
magazines	www.developer.ibm.com/library/aixpert/	www.macworld.com/			www.daemonnews.com/	www.hpcchronicle.com/www.interex.org/hpuxusr/www.hpro.com/	www.sgi.com/support/pipeline.html	www.linuxjournal.com/www.linux-mag.com	www.daemonnews.com		www.sunworld.com/	www.tru64.org/		magazines	
vendor home page	www.developer.ibm.com/tech/map/aixrm.html	www.apple.com/	www.caldera.com/products/openserver	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.netbsd.org	www.openbsd.org/	www.sun.com/solaris/	www.tru64unix.compaq.com/	www.supelec.fr/ducus/faq/faq-ultrix.html	vendor home page	
vendor docs and patches	www.redbooks.ibm.com techsupport.services.ibm.com/server/support?view=pSeries	www.apple.com/support/security/security.html	www.caldera.com/support	www.csc.dg.com/csc/custdocs.asp?category=069docs.asp	www.freebsd.org/handbook/custdocs.asp?category=069docs.asp	docs.hp.com/jrc.hp.com	techpubs.sgi.com/www.sgi.com/support/patch_intro.html	www.linuxdoc.org/rpmfind.net/linux/RPM	www.netbsd.org/Security	www.openbsd.org/docum.html	docs.sun.com/sunsolve.sun.com		www.tru64unix.compaq.com/docs/	vendor docs and patches	
vendor phone (US)	AIX: 800-237-5511 IBM hardware: 800-426-7378	1-800-MY-APPLE				800-633-3600	800-800-4SGI				800-USA-4SUN		800-344-4825	800-344-4825	vendor phone (US)
TASK / OS	AIX	Darwin	Caldera OpenServer (UnixWare 7.1) formerly SCO	DG/UX	FreeBSD	HP-UX	IRIX	Linux	NetBSD	OpenBSD	Solaris	SunOS	Tru64 (Digital Unix, OSF/1) (4) 4.0F/G (5) 5.0A	Ultrix	OS \ TASK

See also Heiner Steven's AWK dialects page at <http://www.oase-shareware.org/shell/articles/awkcompat.html>

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