

Path / File / Command	Function	Path / File / Command	Function
.login	Settings für Korn Shell User	at	Execute Command later: at -m 0730 tuesday sort <f1 >f2 at now <enter> cmd
.profile	Profile Script für Korn Shell User	at -l	List deferred Command Execution
.Xauthority	X-Window Security Mechanism	banner text	Creates big letters
.Xdefault	X-Window GUI Einstellungen	bc	Builtin Calculator
.Xsession	X-Window Einstellungen (wie .profile)	bfs file	AIX: Scans a file, displays requested lines
/etc /init.d/...	Solaris: Run Control Scripts, system-level independent	Boot Process AIX	AIX System Boot Sequence or changing Run Levels: shutdown (script) or boot → init (program) → /etc/inittab: sysinit + rc + per level: /sbin/rc.boot lvl + /etc/rc 2 + /etc/rc.d/rc lvl → /etc/rc.d/rc/l.d/[K S][0-9]script (symbolic links to /etc/rc.d/init.d) → start or kill legacy systems
/rc.d/[rc{runlvl} init].d/	AIX: Run Control Scripts, system-level independent	Boot Process Solaris	Solaris System Boot Sequence or changing Run Levels: shutdown (script) or boot → init (program) → /etc/inittab: initdefault, /sbin/rc2 → /etc/rc2 → /etc/rc2.d → [K S][0-9]script → start or kill legacy systems
/etc/[profile .login]	Solaris+AIX: Initial Machine wide BSH/KSH Defaults	bootinfo -K	AIX Kernel 32/64 Bit enabled, or ... ls -al /unix displays symbolic link to Unix Kernel
/etc/csh.cshrc	1 st System-wide Setup File C Shell	bootinfo -r	AIX display real memory in kilobytes
/etc/csh.login	2 nd System-wide Setup File C Shell (wenn verfügbar)	bootinfo -y	AIX display if the hardware is 32-bit or 64-bit
/etc/default/...	Solaris: Default-Umgebungseinstellungen	cat [options] file	View File -n number lines
/etc/default/init	Solaris: Timezones, Locales, Language, Codepage	chmod mask file	Change Access Modes: 3 x r/w/x/- für Owner/Group/other x=exec w=write r=read
/etc/default/login	Solaris: Shell Defaults	chown o.g file	Recurse into Sub Path's
/etc/environment	AIX: Shell Defaults (ulimit, umask, path etc.)	chown -R o.g. f	Setuid-Bit, Setgid-Bit, Sticky-Bit (4000/2000/1000)
/etc/group	User Group Verzeichnis	cleanipc inst-no remove	Change Owner o=owner/g=group
/etc/inet/...	Solaris: Inet Daemon Config (hosts,ipnodes,services)	clear	Change Owner, recurse into paths
/etc/inittab	System Initialization Table	cmd grep -o s	SAP: like ipcrm, removes [shared] memory segments
/etc/passwd	User Verzeichnis	cmd {pg more}	clear terminal screen
/etc/rc{runlvl}	Run Level Boot/Stop Commands	compress file	filter with options and search patterns -i ignore case (upper/lower caps)
/etc/rc{runlvl}.d/...	Boot/Stop Commands	cp f1 d2	Writes to console page by page controlled by user
/etc/security/limits	AIX User Limits (wie z.B. Hard und Soft File Sizes)	cp f1 f2	Compress (siehe Uncompress)
/etc/services	TCP/IP Dienste-Verzeichnis	cp -opt f1 f2 d2	Copy von File1 nach Directory2
/etc/system	Solaris System Kernel	cpio parms	Copy von File1 nach File2
/etc/vfstab	File System Description Table	find . -print cpio -ov	-f unlink -i prompt before overwrite
/home/user/.cshrc	individual C Shell settings at login and every new C Shell	>/dev/rfd0	-p preserve permissions -r recurse into subdirs
/home/user/.login	individual C Shell settings at login (nach .cshrc)	crontab -l	Copy Files into or from an Archive, for example Copy all File of Directory to Disk
/home/user/.logout	individual log out processing		List of (planned) crontab activities
/home[1]/user	Home Directory		
/opt/IBM/db2/V8.1	Sun DB2 V8.1 Installation		
/opt/IBM/db2/V9.1	AIX DB2 V9.1 Installation (w/o Package Management)		
/usr/lpp/db2_...	AIX DB2 Package Library		
/usr/opt/db2_08_01	AIX DB2 V8.1 Installation		
/usr/sap/<sid>/SYS/exe/run	SAP Executables, Utilities, User Exits		
/usr/sap/<SID>/SYS/profile	SAP R3 Executables, Utilities, User Exits		
/DEFAULT.PFL			
/var/adm/{ras log}	wichtige System Log Files		
/var/db2/vxx/defaults.env	DB2 Global Registry		
/var/db2/vxx/profiles.reg	DB2 System/Node Directory		
^d	ends user data input		
<Esc>+k <Esc>+j	Command Editor vi: previous next command (scroll)		
admintool	Solaris Admin GUI (X-Window)		
alias [shortcut="cmd"]	Pseudonym or Shortcut for a command or cmd series, e.g. simple 'repeat last command' as "r"		
alias r='fc -s'			
apropos keyword	Hinweise zu Schlüsselwörtern		

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curl -i	AIX: CPU Utilization Reporting Tool	db2top	DB2 interactive snapshot monitor:
date [format]	Ausgabe des Dates [in versch. Formaten]	d - Database	l - Sessions
db2am	DB2 Activity Monitor (use client GUI)	a - Details for <agentid>	t - Tablespaces
db2dart db /tsi n /rhwm	Simple reduction of a DB2 tablespace highwater mark. Complex reduction: Use arguments /lhwm /NP 0	b - Bufferpools	T - Tables
db2fm -i inst -f -a on off	Fault Monitor per Instance options, see also ./sqlllib/fm.[hostname].reg	D - Dynamic SQL	U - Locks
db2fmcu -d	Stops db2fmcd daemon Fault monitor process and removes entry from /etc/inittab (see /db2-inst-path/bin)	m - Memory pools	s - Statements
db2ls	List installed DB2 V9.1 products and features	u - Utilities	p - Partitions
db2mtrk -i -d -p -m	DB2 Memory Tracker: Report of Memory Status for Instances, Databases and Agents	A - HADR	F - Federation
[-v] [-r n n]		B - Bottlenecks	J - Skew detection
db2osconf	Recommendations for Solaris Kernel values (root Users): -h Help Screen -f compare to current -l List current Information from the DB2 memory sets (sysadm): -inst Instance-Scope Info -everything all DB Info -alldbs all Databases -dynamic SQL Statements -osinfo Operating System -tcbstats TBSpace Info	C - Toggle collector on/off	W - Watch user/agent
db2pd	DB2 Call-Out Script for problem determination: -catch status clear '....' (eg. 'deadlock timeout') -cos status on off ...	/ - Set regexp	g - Toggle gauge on/off
db2pdcfg [-catch -cos par]		i - Toggle idle objects on/off	G - Toggle local/global snap
db2support -d db -m -n no	Creates DB2 Support (Zip) File for IBM technical support	P - Select db partition	X - Toggle ext. mode on/off
		k - Toggle actual/delta values	z - Descending sort
		Z - Ascending sort	+ - Longer default sort
		- - Shorter default sort	l - Set new snapshot interval
		R - Reset snapshot monitor	S - Run native DB2 snapshot
		> - Move right	< - Move left
		c - Change columns order	f - Freeze display
		! - Goto to system prompt	V - Set deflt explain schema
		O - Display settings	w - Write parms to .db2toprc
		h - Help	q - Quit
		db2trc on	Starts DB2 trace:
	 issue command or start DB2 application
		db2trc dmp db2trc.dmp	Dump Trace into File
		db2trc off	Trace off,
		db2trc flw db2trc.dmp	Trace flow and
		db2trc fmt db2trc.dmp	Trace format into separate file
		dbx -a <pid> <file>	Debugging eines Binaries oder eines lfd. Prozesses, ohne detach wird <pid> beendet. (im Anschluß gencore <pid> <file>)
		detach <pid>	Display Free KB Block on File Systems
		quit	Differences between Files
		df -k	Differences, recurse, long, all files
		diff f1 f2	SAP R/3 Release Level Display
		diff -rsl f1 f2	Solaris Display System Messages
		disp+work -v	SAP R/3 Display Queue Statistics, numerous arguments, profile in /sapmnt/<SSID>/profile
		dmesg	SAP R/3: login and change pwd for users <sapsid>adm and sap<sapsid> or sapr3
		dpmon pf=profile	SAP R/3 password regeneration after change of DB2DB6EKEY environment variable.
		dscdb6up <user> <password>	
		dscdb6up -create <connect user pwd> <sapsid_adm pwd>	

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dscdb6up -create <sap<sapsid> sapr3 pwd> <<sapsid>adm pwd> du -k	SAP R/3 set password in case of loss or loss of configuration file dscdb6.conf Disk Usage in KB, -a for each file -s Summary	grep -v '^\$' fin > fout grep '.' fin > fout sed '/^\$/d' fin > fout sed -n '/^\$/!p' fin>fout awk NF fin > fout awk '/./' fin > fout	Remove blank lines from file fin, creates file fout.
egrep opt "string" file -c -i -e pattern -l	Extended grep Command: - count results - ignore case - search for patterns, egrep -l -e "(sed awk)" * - print only files names with matches	groups head -nnn file history ifconfig -a	Show Group Membership of User die ersten nnn Zeilen einer File ausgeben See "fc -l", set history=nn Display machine IP address
eject errpt [-a] exit export DISPLAY=ipaddr:0 fc [-l -s nn] file file filemon	Eject (e.g. CD-Rom) AIX Error Reporting, auch im Detail End Session/Shell Redirection of X-Window screen output Command History File, list or start cmd Classify File Content/Type AIX File Access Monitor, Performance: filemon -v -o ofile -O all dd if=file1 of=file2 bs=1k count=100000 trcstop	install patch →/var/sadm/ instfix -i [-k n] instfix -i grep ML ioo -L iostat -s System iostat -a Adapter iostat -xnP ipcrm {-m -q -s} id	Solaris Packages: versions and patches (e.g. FixPaks) AIX List Installed Fixes "IXnnnnnn" AIX Maintenance Level, siehe Text „All filesets for ...“, siehe auch oslevel AIX display tunables characteristics AIX File System Performance (History active? lsattr -E -l sys0 -a iostat) Solaris File System Performance (detailed Device) Remove IPC's (-m=Shared Memory, -q=Message, -s=Semaphore-ID Interprocess Communication System , Shared Memory Usage Status anzeigen PID und Working Dir von Jobs Kill pid immediately and all children (Signal Kill SIGKILL=9, see kill -l) Kill Process mit ID pid Display Last Logins Wecker
fileplace options file	Placement of file in LV and/or PV -p physical volume -l logical volume -i indirect blocks -v details, degree of fragmentat.	ipcs [-ma] jobs -l kill -9 pid kill pid last leave hmmm listusers llstatus ln -opt sf tf	Interprocess Communication System , Shared Memory Usage Status anzeigen PID und Working Dir von Jobs Kill pid immediately and all children (Signal Kill SIGKILL=9, see kill -l) Kill Process mit ID pid Display Last Logins Wecker
find . -name fl find . -type f -name "test*" -print -exec grep -i "ruban" {} \;	Suche File fl in diesem Pfad und allen Subdirs Suche alle Files (Type f) mit Namen test* in diesem und allen Unterverzeichnissen, gebe den Namen aus durchsuche sie per grep Command nach String "ruban"	ls queryvg -At -p hdisk0 ls options file lsattr -E -l device lsattr -El sys0 -a realmem lscfg grep proc lscfg -vp pg lsconf lsdev -C -H lsmle -c lslpp -l lslpp -qLc	Remove IPC's (-m=Shared Memory, -q=Message, -s=Semaphore-ID Interprocess Communication System , Shared Memory Usage Status anzeigen PID und Working Dir von Jobs Kill pid immediately and all children (Signal Kill SIGKILL=9, see kill -l) Kill Process mit ID pid Display Last Logins Wecker List User Login Information AIX SP: information on Load Leveler machine status Make Links from Source to Target File -s Symbolic Link -f replace existing link AIX all attributes for the VG (Disks, see lspv) List Directory Structure -al lange Liste mit Attributen -R recurse subdirs -t sortiert nach Timestamp -u 'used' timestamp AIX Show Device Attributes, e.g. Disk Device AIX Display Real Memory AIX Display Number of Processors AIX Hardware Information AIX List Configuration (siehe auch prtconf) AIX Device Information of customized devices AIX List of system-defined locale definitions →/usr/lib/nls/ AIX List installed Software Packages AIX query and report installed Software e.g. for compare
finger -s finger user ftp	Short Infos on active Users Find Infos about User File Transfer Programm: open host user user psw get put file [file] close and quit		
fusage fuser [opt] device path -c -d -k -u -x	Solaris Disk Access Statistics Lists the process numbers of local processes that use the local or remote files specified by the File parameter: - open files in the file system - open files which have been unlinked - SIGKILL signal to process (root only) - login name for local processes using - executable/loadable objects (with -c or -f)		
getconf -a grep opt pat f -i -n -l	AIX: Configuration Information Search File f for Pattern pat with Option opt ignore case print line numbers print only names of files with matching lines		

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<code>lspvs option</code>	AIX Display Paging Space: -a display size -s summary/usage	<code>rm -opt file</code>	Delete/Remove Files: -f force without prompting -i ask for confirmation -R/r recurse into subdirectories
<code>lspv [-p l L disk]</code>	AIX List Physical Volumes and Volume Groups	Run Levels Init states	0: power-down state 1: administrative state 2: multiuser state 3: dft., multi user operation, all resources avail. 4: alternative multiuser state 5: power-down state 6: reboot with initdefault in /etc/inittab (i.e. 3) S: single user (root) access only
<code>lsvg {-l -L} vg-name</code>	AIX LV's in VG VG attributes	<code>rup</code>	Up Time Remote Machine
<code>lsvg -L -n device</code>	AIX Display VG on a physical device e.g. hdisk	<code>saposccl -h</code>	SAP R3 Operating System Data Collector
<code>lsvg -o lsvg -i -l</code>	AIX Display Logical Volumes sortiert nach Volume Groups	<code>sar -opt t n</code> -s hhmm Startzeit -e hhmm Endezeit	System Activity Reporter (siehe sa1, sa2, sadc in man) -u CPU -r Memory -g Paging -v Processes -d Disk I/O -P ALL per Processor Statistics
<code>lvmstat -l -g name</code>	AIX LV Statistics (like iostat but on LV's or VG's)	<code>schedo -L</code>	AIX the current, default, and reboot settings
<code>man cmd</code>	Manual Pages zu Unix Commands	<code>sendmail recipient-list</code>	SMTP Send Mail
<code>memlimits</code>	SAP R/3 address space configuration test tool	<code>set -o vi</code>	Editing Commands as used in vi
<code>metastat [-s id -i -t -p]</code>	Solaris Metadevice Information (LVM, s.a. lsvg, lsLV)	<code>set -vx</code>	Shell Script Debugging
<code>mount [all]</code>	Show Device Table or mount if /etc/filesystems indicates 'mount=true' (also: smitty mount)	<code>setenv DISPLAY ip-addr:0.0</code>	Route X-Windows output to specific console
<code>mpstat</code>	Solaris Processor Status (→ pstat -S)	<code>showipc instance-no</code>	SAP: wie ipcs, Anzeige von Memory Segments
<code>mv -opt f f d</code>	Move/Rename File to File Directory	<code>showrev [-p]</code>	Solaris Systemeigenschaften/ Patch Level
<code>netstat/nfsstat</code>	Netzwerk Aktivität	<code>shutdown -Fr</code>	AIX Fast Reboot
<code>newgrp group</code>	Log in with another Group (non-primary)	<code>shutdown -i6</code>	Solaris: Shutdown and reboot (see Run Levels)
<code>nslookup ip-addr name</code>	Name Server Look-up function	<code>smitty</code>	Interaktive AIX Command Konsole
<code>oslevel [-r -g]</code>	AIX Maintenance Level, oder alternativ siehe instfix	<code>smitty nfs</code>	-> NFS -> Add a directory to Export List -> /export/samplepath (Export now/at system restart)
<code>passwd [-d] [login name]</code>	Passwort ändern/löschen	<code>snap</code>	AIX: Sammelt System Informationen (Root)
<code>perl -MDBI -e 'DBI-> installed_versions'</code>	Listet Versionen der Perl Database Interfaces (auch DB2 unter DBD::DB2)	<code>spmon</code>	AIX SP Monitor: -d Display -power off on node1 Strom aus an
<code>perl -V</code>	Perl Version, stored at <code>ls -al `which perl`</code>	<code>starsap [r3 db all]</code>	SAP R3 Start Script Instance and/or Database
<code>perspectives</code>	AIX: Invokes SP Perspectives GUI	<code>startx</code>	AIX Start X-Windows Session (see DISPLAY)
<code>pkginfo -l</code>	List installed Solaris Software Packages	<code>stopsap [r3 db all]</code>	SAP R3 Stop Script Instance and/or Database
<code>pprof <time></code>	AIX Measure CPU usage of Kernel Threads	<code>su [-] user</code>	Switch to another User [- changes env] -c cmd Execute cmd, then return
<code>prstat [-a]</code>	Solaris report active process statistics (→ top/topas)	<code>svmon</code>	AIX Memory Usage Monitor
<code>prtconf</code>	System Configuration Info (siehe auch lscnf)	<code>sysdef -i</code>	Solaris System Resource Limits
<code>prtdiag</code>	System Diagnostics	<code>tail -nnn file</code>	die letzten nnn Zeilen einer File ausgeben
<code>ps</code>	Report Process Status -ef Full List all Processes -l Long Listing -o format	<code>tar switches archive [files]</code>	Process Archive File -xvf Extract File -cf Create File
<code>ps → von /usr/ucb</code>	Extended UCB Process Status -a all -s accum CPU Time -x w/o Terminal -l Long Listing	<code>tee -a file</code>	Display and writes output to file e.g. <code>ls -al tee -a directory.txt</code>
<code>ps au</code>	Display Commands and Arguments	<code>time cmd</code>	Elapsed/System/User Time for Command
<code>ps -efo THREAD</code>	AIX Full List of all Threads in process	<code>top topas</code>	Report local system information (→ prstat)
<code>ps eww [pid]</code>	Display Environment Variables of process id		
<code>psrinfo</code>	Solaris Processor Information		
<code>pstat -f</code> (various flags)	AIX Display interpretation of various system tables, e.g. -a -p process table, -f file table, -S processors, -s swap and paging space usage		
<code>ptree -a pid uid</code>	Solaris show process tree		
<code>pwconv</code>	erzeugt /etc/shadow aus /etc/passwd		
<code>pwd</code>	Print Current Working Directory		

Kernel Processes AIX 4.3/5.xL/6.xL (kprocs):

aios	Relates to Asynchronous I/O kernel process
cdpg	A kernel daemon that deals with CDRFS filesystems and is started only when a CD based filesystem is mounted.
dlci	A kernel process dealing with Data Link Control protocol. You will see this kproc mostly on systems using old protocols such as SNA. Some old printers also use this protocol.
dog	A kproc spawned by the netinet driver and deals with IP packet switching. The concept of dog process also came from Open Software Foundation (OSF).
gil	GIL term is an acronym for "Generalized Interrupt Level" and was created by the Open Software Foundation (OSF), This is the networking daemon responsible for processing all the network interrupts, including incoming packets, tcp timers, etc.
lvmbb	A kernel process associated with LVM device driver.
jfsc	This is a JFS daemon that does compression/decompression for compressed file systems. It is started when you mount a locally locally mounted compressed file system. It should go away when there are no mounted compressed file systems. You can use the dumpfs command to check if you have any compressed file systems.
j2pg	Kernel process integral to processing JFS2 I/O requests.
jfsz	JFS zero'ing kproc, allocate/zeros out disk blocks on 'bigfile' filesystems.
kbio	NFS biod threads -- works just like a biod process.
lrud	Least recently Used Daemon or "page-stealer" is dispatched when the Virtual Memory Manager (VMM) needs to free memory. There is one of these kprocs for each memory pool (Default: number of CPUs/8, minimum number of memory pools1).
netm	Network memory allocator that allocates pinned memory for use via netmalloc kernel services.
reaper	A kernel process that deals with cleaning up defunct processes.
rtcm	RPC transport connection manager used by the NFS kernel extension.
swapper	Part of the kernel scheduler and schedules threads on the processors' run queue.
wlmsched	Kernel process that aids Work Load Manager. Usually, inactive (but in process table) unless WLM is being used.
xmgc	A kernel process that deals with garbage collection for kernel memory allocated via xmalloc and xmfree kernel services.
There are some kprocs that directly influence performance. These kprocs still do not have a user interface but their behavior can be influenced.	
aios	The min and max number of this kproc can be tuned via SMIT. smit chgaio → Minimum number of servers and MAXIMUM number of servers
lrud	Behavior of this kproc can be influenced by vmtune/vmo's options. The most common options are when it is dispatched (minfree) and what type of memory pages it prefers (maxperm and maxclient).
swapper	The swapper's behavior can be influenced by tuning with schedtune or schedo.