Perched Systems: *NIX Usage

Quick Reference Guide



Getting Hel	E	Navigation	Navigation			Bash Shortcuts				
Command		Description	Command	Desci	ription		Shortcut		Description	
man <command/>		read the manual	pwd	displa	ays current working dir		Up/Down Arrow		access previous command	
apropos <command/> -h		search "whatis"	Is	list contents displays dir contents in visual tree					history	
		help for specific	tree				ctrl + A		move cursor to start of line	
		command	cd		change directory		ctrl + E	move cursor to end of line		
<command/> help		help for specific					ctrl + U		delete left of cursor	
		command	Directory Aliases		<u> </u>		ctrl + K		delete right of cursor	
find		find files	Alias		Description		ctrl + W		delete word on left	
locate		find files	. (period)		"here" or current working		ctrl + <		jump to left by argument	
whereis		searches man pages			directory		ctrl +>		jump to right by argument	
		and source files for a program	(double period)		up one level from current directory		<tab></tab>		completes filename or command	
		Search the user's \$path for a program	~		current user's home		ctrl + R		reverse search history	
		file		directory			!!		repeat last command	
			-		last working directory		history		display contents on .bash-	
Networking		Contain Info	91					_history		
		outing, devices and	System Info			!###		rerun specific history entry		
	tunnels		Command		Description		Users & Permissions			
ss socket s listening		atistics (show open / ports)	whoami	print the current user id and name					escription	
ping	icmp to test connectivity		hostname	print or set system name					t user and group id's	
traceroute trace rou		ite to host	date	te display or change the date & time			useradd		te new user account	
dig DNS looku		cup							lify a user password	
ssh	Secure Shell client (remote login program)		uptime	show time since last reboot / start			• Attendance		lify user account	
							userdel		te a user account	
scp	secure copy (remote file copy)		users	list users currently logged in			groups		t group names a user is in	
tcpdump	dump dump traffic on a network		finger	display info about user					a user security group	
nmtui	textual interface to configure networking		who	print all usernames currently logged in			groupadd			
									lify a group	
Common Switch's used:		uname		system information				te a group		
ss -Int			df	show	disk usage				nge file owner and group	
ip a (provides address) ip route (provides routes)		du	show	directory space usage		chmod	char	nge access permissions		
ip route (provides routes)		free	show	memory and swap usage						

Perched Systems: *NIX Usage

Quick Reference Guide



Sorting & F	iltering	Reading & I	Manipulating Files	Process Monitoring		
Command	Description	Command	Description	Command	Description	
(pipe)	passes output from one	cat	concatenate and print (display) the content of files	W	who is logged on	
	command to another			ps	process status	
grep	search file(s) for lines that	less	display output one screen at a	Isof	list open files	
	match a given pattern		time	kill	kill process	
egrep	search file(s) for lines that match an extended exp	tail	output the last part of file (-f to follow)	iostat	report CPU and i/o statistics list processes running on the system	
zgrep	search compressed file(s) for lines that match pattern	touch	create a new (empty) file or change file timestamps	top		
sort	sort text files	nano	create or edit file in nano editor	htop	interactive process viewer	
WC	print byte, word, and line counts	vim	create / edit file in vim editor	sudo halt	shutdown system	
cut	divide a file into several parts	rm	remove file	sudo reboot	reboot system	
uniq	uniquify files	mkdir	create dir	systemctl	Tool used to interact with	
sed	Stream manipulation tool	rmdir	remove dir	systemeti	Systemd Systemd	
awk	Programming Language and	In	create a hard link to file	Common Switch's used:		
	Text processor	In -s	create a symbolic link to a file	ps -aux	ps -aux	