

<div>FILE COMMANDS</div> <div> <p>ls: <i>list directories and files</i></p> <p>cd -a: <i>formatted with hidden files</i></p> <p>cd dir: <i>change directory to dir</i></p> <p>cd: <i>change to home</i></p> <p>pwd: <i>show current directory</i></p> <p>mkdir dir : <i>create a directory dir</i></p> <p>rm file: <i>delete file</i></p> <p>rm -r dir: <i>delete directory dir</i></p> <p>rm -f file: <i>force remove file</i></p> <p>rm -rf dir: <i>force remove dir*</i></p> <p>cp file1 file2: <i>copy file1 to file2</i></p> <p>cp -r dir1 dir2: <i>copy dir1 to dir2; create dir2 if it doesn't exist</i></p> <p>mv file1 file2: <i>rename or move</i></p> <p>ln -s file link: <i>create link to file</i></p> <p>touch file: <i>create or update file</i></p> <p>cat > file: <i>places input into file</i></p> <p>more file: <i>output the contents</i></p> <p>head file: <i>output the first 10 lines</i></p> <p>tail file: <i>output the last 10 lines</i></p> </div>	<div>SHORTCUTS</div> <div> <p>Ctrl+C: <i>halts the current command</i></p> <p>Ctrl+Z: <i>stops the current command, resume with fg in the foreground or bg in the background</i></p> <p>Ctrl+D: <i>log out of current session, similar to exit</i></p> <p>Ctrl+W: <i>erases one word in the current line</i></p> <p>Ctrl+U: <i>erases the whole line</i></p> <p>Ctrl+R: <i>type to bring up a recent command</i></p> <p>!!: <i>repeats the last command</i></p> <p>exit: <i>log out of current session</i></p> </div> <div>SSH</div> <div> <p>ssh user@host: <i>connect to host as user</i></p> <p>ssh -p port user@host: <i>connect to host on port</i></p> <p>ssh-copy-id user@host: <i>add your key to host for user to enable a keyed or passwordless login</i></p> </div>
<div>COMPRESSION</div> <div> <p>TAR</p> <p>tar cf file.tar files: <i>create a tar named file.tar containing files</i></p> <p>tar xf file.tar: <i>extract the files from file.tar</i></p> </div> <div>TAR.GZ</div> <div> <p>tar czf file.tar.gz files: <i>create a tar with Gzip compression</i></p> <p>tar xzf file.tar.gz: <i>extract a tar using Gzip</i></p> </div> <div>TAR.BZ2</div> <div> <p>tar cjf file.tar.bz2: <i>create a tar with Bzip2 compression</i></p> <p>tar xjf file.tar.bz2: <i>extract a tar using Bzip2</i></p> </div> <div>GZIP</div> <div> <p>gzip file: <i>compresses file and renames it to file.gz</i></p> <p>gzip -d file.gz: <i>decompresses file.gz back to file</i></p> </div>	<div>PROCESSES</div> <div> <p>ps: <i>display your currently active processes</i></p> <p>top: <i>display all running processes</i></p> <p>kill pid: <i>kill process id pid</i></p> <p>killall proc: <i>kill all processes named proc*</i></p> <p>bg: <i>lists/resumes stopped or background jobs</i></p> <p>fg: <i>brings the most recent job to foreground</i></p> <p>fg n: <i>brings job n to the foreground</i></p> </div> <div>NETWORK</div> <div> <p>ping host: <i>ping a host</i></p> <p>whois domain: <i>get whois information for domain</i></p> <p>dig domain: <i>get DNS info.</i></p> <p>wget file: <i>download file</i></p> <p>wget -c file: <i>continue download</i></p> <p>* Use with caution</p> </div>
<div>LUG-SJSU-ORG</div> <div>// Think open.</div> <div>PocMan</div> <div>v0.7</div> <div>Linux Commands Reference</div> <div>The Linux User Group @ SJSU</div>	<div>SEARCHING</div> <div> <p>grep pattern files: <i>search for pattern in files</i></p> <p>grep -r pattern dir: <i>search recursively for pattern in dir</i></p> <p>command grep pattern: <i>search for pattern in the output of command</i></p> <p>locate file: <i>find all instances of file</i></p> </div> <div> <div>Design: SJSU LUG Team</div> <div>Credits: FossWire.com & PocketMod.com</div> <div>CC BY-NC-SA</div> </div>
<div>SYSTEM INFO</div> <div> <p>date: <i>show the current date and time</i></p> <p>cal: <i>show this month's calendar</i></p> <p>uptime: <i>show current uptime</i></p> <p>w: <i>display who is online</i></p> <p>whoami: <i>who you are logged in as</i></p> <p>finger user: <i>display information about user</i></p> <p>uname -a: <i>show kernel info</i></p> <p>cat /proc/cpuinfo: <i>cpu info</i></p> <p>cat /proc/meminfo: <i>memory info</i></p> <p>man command: <i>show the manual for command</i></p> <p>df: <i>show disk usage</i></p> <p>du: <i>show directory space usage</i></p> <p>free: <i>show memory and swap usage</i></p> <p>whereis app: <i>show possible locations of app</i></p> </div>	<div>FILE PERMISSION</div> <div> <p>chmod octal file: <i>octal can be found separately for user, group, and world for example:</i></p> <p>chmod 777: <i>read, write, execute for all</i></p> <p>chmod 755: <i>rwX for owner, rx for group and world</i></p> <p>(man chmod <i>for more info)</i></p> </div> <div>INSTALLATION</div> <div> <p>install <i>from source</i></p> <p>configure</p> <p>make</p> <p>make install</p> <p>dpkg-deb -i -i pkg.deb: <i>install a package (Debian - Ubuntu)</i></p> <p>dpkg -i -i pkg.rpm: <i>install a package (RPM - Red Hat)</i></p> </div>