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Knowledge Wiki / Software Dev

Unix and Linux command and scripting reference

Analyze Disk Drives

Command	Description
df	summarize free space on disk drive
du	show disk space used by files or directories


Analyze CPU Utilization

Command	Description
top or topas	provides a rolling display of top cpu using processes

Navigate the File System

Powered by Atlassian Confluence and Sereni Newport.	Command	Description
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cd d	Change to directory d 
ls	list the contents of the current directory
ls -la	list all contents of the directory in long format
ls -latr	list all contents of the directory in long format with the latest modified files last (handy to show the latest modified files at the bottom of the list where the prompt awaits your next command).
pwd	See what directory you are currently in; this writes the absolute pathname of the current working

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Search the File System

Example of searching for a file in the current directory and any subdirectories with a wildcard in the file name:

```
find . -name
"*ConfigService.properties"
-print
```

See also:

<http://www.athabascau.ca/html/depts/compserv/webunit/HOWTO/find.htm#EX01>

Read and Edit Files

Command	Description
<code>vi filename</code>	open a text file for reading or editing in the VI Editor
<code>cat filename</code>	print the contents of a text file to the standard output
<code>touch filename</code>	change a file's access and modification timestamps or create a new empty

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file if the file
does not
already exist



Modify File Permissions

Command	Description
<code>chmod 755 filename</code>	Give everyone read and execute permissions to a file
<code>chmod 777 filename</code>	Give everyone full permissions to a file

Environment control

Command	Description
<code>mkdir d</code>	Create new directory d
<code>rmdir d</code>	Remove directory d
<code>mv f1 [f2...] d</code>	Move file f to directory d
<code>mv d1 d2</code>	Rename directory d1 as d2
<code>mv f1 f2</code>	Rename file f1 as f2
<code>passwd</code>	Change password



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alias name1 name2	Create command alias
unalias name1	Remove command alias name1
rlogin nd	Login to remote node
logout	End terminal session
setenv name v	Set env var to value v
unsetenv [name1 name2...]	remove environmen variable

Output,
communication,
and help

Command	Description
lpr -P printer f	Output file f to line printer
script [f]	Save terminal session to f
exit	Stop saving terminal session
mail username	Send mail to user

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biff [y/n] Instant notification of mail

man name	UNIX manual entry forname
learn	Online tutorial

Process control

Command	Descript
Ctrl/c *	Interrupt process
Ctrl/s *	Stop screen scrolling
Ctrl/q *	Resume screen output
Ctrl/z *	Suspenc current process
sleep n	Sleep fo seconds
jobs Print	list of jo
kill [BlueGuru:%n]	Kill job r
ps	Print process status stats
ps -ef	List all running process

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ps -ef grep username	List all running process for a giv user
ps -ef grep <application name or part of app name>	List all running process for a giv applicat
kill -9 n	Remove process
kill -3 n	Remove process and coll the thre dumps (this car useful to analyze thread dumps c hung process, example
stop %n	Suspend backgro job n
command&	Run commar in backgro
bg [%n]	Resume backgro job n
fg [%n]	Resume foregrou job n
exit	Exit from shell



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Get the active
connection in web



server user

netstat -algrep -i est*
to get the count of the
active connection use
netstat -algrep -i est*|wc -l

Delete File that have been created before the past 5 Days

During a Support Project
you may need to Delete the
Logs that have been older
than 60 Days
the command for that look
like

```
find /<replace  
my_Directory> -mtime +5  
-print | xargs rm
```

where mtime is the File
last modification time

Determine the last Day of Month

I found this in net.This
script is useful in finding
the last day of the month.
Sometime it is necessary
to run a command or script
on the last day of a month.

```
month=`date +%m`  
today=`date +%e`  
year=`date +%Y`  
lastday=`cal $month $year  
| grep -v "^$" | tail -1 | awk  
'{print $NF}'`  
if [BlueGuru: $today ==  
$lastday ]; then
```


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The `grep -v` command removes the last line of output if it happens to be blank and the `awk` command prints the last chunk of data on the line.

FTP script tips

The FTP command only give the read write permission to the owner of the file , sometimes it is necessary for the member of the group or the world to read the file or write the file , in this case you will get the File Permission denied error to over come this in your FTP script add this unmask like
This will create the file with `rw-rw-rw-` permission.
site umask 000

so your FTP scripts will look something like

```
ftp $1 << FTP_CMD
cd <your destination
Folder>
site umask 000
put $fileName1
quit
FTP_CMD:
Unknown macro: {pop-
lavour}
Unknown macro:
{portlet-a}
```

Did you know that you can pull up a help page or manual page with information about any command directly from the Unix or Linux command line shell. Simply type:



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man command



For example, to learn about the ls command and all the various parameters you can use with it, type:

man ls

To exit the manual type :q (colon and Q)

<
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