BASINTRODUCTION



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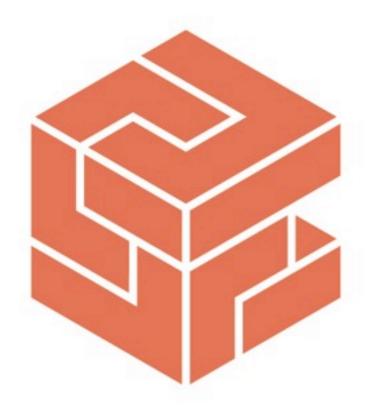




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UNIX BASED SYSTEMS

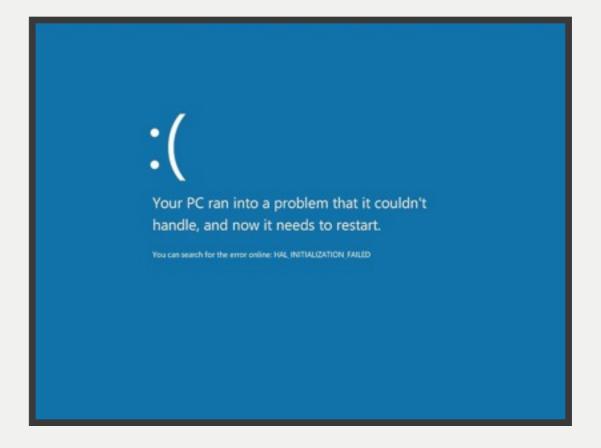






UNIX BASED SYSTEMS VS WINDOWS

- + STABILITY
- + PERFORMANCE
- + SCALABILITY
- + COMPATIBILITY
- PRICE



WHATIS BASIL 7

- WHAT DOES IT MEAN?
- ADVANTAGES?

HOW TO DEAL WITH BALS I STATE TO BE SHOWN THE SHOWN THE

- AUTOCOMPLETE
- MAN PAGES
- CLEAR SCREEN

SOME REQUIRED COMMENTAL COMMENTAL COMMENTAL COMMENTS OF THE COMMENT OF THE COMMEN







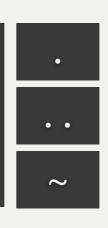
mkdir [OPT] DIR

-p

MAKE PARENTS

CHANGE DIRECTORY

cd PATH



CURRENT DIR
PARENT DIR
HOME DIR

PRINT WORKING DIRECTORY

pwd

CREATE EMPTY FILE

touch FILE

COPY

cp [OPT] FROM TO

-r

COPY DIRECTORIES RECURSIVELY



mv FROM TO

REMOVE

rm [OPT] FILE

-r

RECURSIVELY REMOVE DIRECTORIES

-f

FORCE



rmdir [OPT] DIR

-р

PARENTS

CONCATENATE AND PRINT FILES

cat [OPT] FILES

-1

NUMBER THE OUTPUT LINES

VIEW FILE

less [OPT] FILE

-N

NUMBER THE OUTPUT LINES

LESS FREQUENT COMMANDS

Key	COMMAND	Key	COMMAND	
Space	NEXT PAGE	PAGE / <text> FOWARD SEARCH FOR</text>		
Ь	PREVIOUS PAGE	? <text></text>	BACKWARD SEARCH FOR <text></text>	
j	NEXT LINE	n	NEXT SEARCH MATCH	
k	PREVIOUS LINE	N	PREVIOUS SEARCH MATCH	
g	FIRST LINE	=	FILE INFORMATION	
G	LAST LINE	h	HELP	
<n>G</n>	LINE <n></n>	q	QUIT	

DISPLAY FIRST LINES

head [OPT] FILE

-n

FIRST N LINES

DISPLAY LAST LINES

tail [OPT] FILE

-n

LAST N LINES

PRINT LINES MATCHING A PATTERN

grep [OPT] PATTERN [FILE...]

- -c DISPLAY THE NUMBER OF MATCHED LINES
- -i IGNORE CASE SENSITIVITY
- -1 DISPLAY THE FILENAMES
- -n DISPLAY THE LINE NUMBERS
 - MATCH WHOLE WORD

-W

WORD COUNT

wc [OPT] FILE

- -1 LINE COUNT
- -c BYTE COUNT

 $-\mathsf{W}$

- -m CHARACTER COUNT
 - **WORD COUNT**

CTRL-KEY COMMANDS

KILL PROCESS

CTRL + C

STOP PROCESS

CTRL + Z

END OF FILE

CTRL + D

I/O REDIRECTION

REDIRECT STDOUT TO A FILE

OVERWRITE

COMMAND > FILE

APPEND

COMMAND >> FILE

REDIRECT STDIN TO A FILE

COMMAND < FILE

REDIRECT THE OUTPUT FROM ONE COMMAND AS INPUT TO THE NEXT ONE

COMMAND1 | COMMAND2 | COMMAND3

WILDCARDS

WHAT ARE WILDCARDS?



ANY NUMBER OF CHARACTERS



ANY SINGLE CHARACTER

SYSTEM AND SECURITY

UNIX PERMISSIONS

ALLOWS USERS TO RUN PROGRAMS WITH THE SECURITY PRIVILEGES OF ANOTHER USER

sudo [OPT] [USER] COMMAND

NORMALLY THE ROOT

UNIX PERMISSIONS

a = all

U		g			O			
user		group			others			
r	W	X	r	W	X	r	W	X
4	2	1	4	2	1	4	2	1

7

CHANGE PERMISSIONS

chmod [OPT] MODE FILE

-R

RECURSIVELY

+rx

g-w

777

READ AND EXECUTE FOR ALL

DENY WRITE ACESS FOR GROUP

READ, WRITE AND EXECUTE FOR ALL

UNIX PROCESSES

COMMAND &

jobs

kill SIGNAL PROCESS

killall PROCESS

RUN PROCESS ON BACKGROUND

BACKGROUND OR SUSPENDED PROCESSES

SEND SIGNAL TO A PROCESS

KILL PROCESS BY NAME

DISPLAY TOP CPU PROCESSES

top

REPORTS THE PROCESS STATUS

PS

-f
FULL LISTING
ALL PROCESSES

LAST BUT NOT LAST BUT NOT CONTROLLED BY A STATE OF THE PROPERTY OF THE PROPERT

LAST COMMANDS USED

history



CLEAR



TIME COMMAND EXECUTION

time COMMAND

COMPARE FILES LINE BY LINE

diff

WALK A FILE HIERARCHY

find PATH [OPT] [EXPRESSION]

-name

FIND BY NAME

-size

FIND BY SIZE

-iname

CASE INSENSITIVE MODE

