

### Minimum System Requirements

RAM	1GiB
Storage	10 GiB
Connectivity	Network Card
File System	XFS

### Shell

Alias `alias newcmd ='o ldcmd'`

Internal commands Part of the shell itself. Not loaded from disk.

External command Exists as executable file on disk.

Locate command `which cmd`

Run command in current dir `./cmd`

`$PATH` Variable of list where cmds are found

show `$PATH` contents `echo $PATH`

### I/O Redirection

STDIN `< or 0<`

STDOUT `> or 1>`

STDERR `2>`

Write to file (initial/overwrite) `echo test > file.txt`

Append to file `echo test2 >> file.txt`

Send `ls badpath > file 2>&1`

STDERR to STDOUT

STDOUT to another command `ls list.txt | less`

Hide `ls badpath 2> /dev/null` STDERR but show contents

Hide `ls badpath 2> /dev/null > output` STDERR but redirect contents



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Not published yet.  
Last updated 5th June, 2024.  
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