

Standard Input, Output and Error

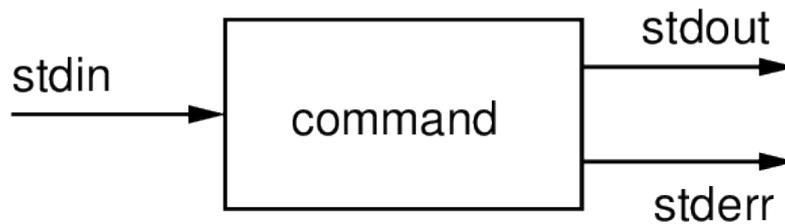
Linux

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Common/Reports/lans-arp.tex, r723

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stdin, stdout and stderr



- ▶ stdin: input to a command
- ▶ stdout: normal output by a command
- ▶ stderr: errors output by a command

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Interacting with Commands on Terminal

\$ command



- ▶ stdin: typed into the terminal
- ▶ stdout: output to the terminal
- ▶ stderr: output to the terminal

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Redirecting stdout to a File

\$ command > file

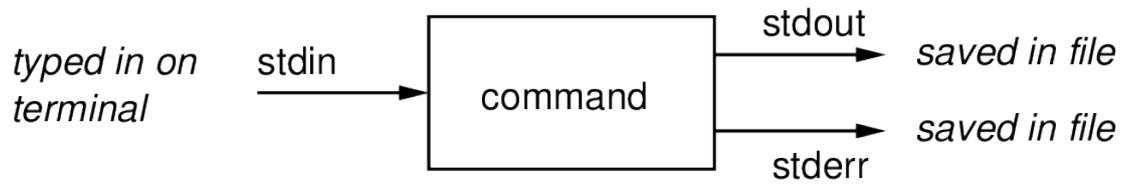


- ▶ stdin: typed into the terminal
- ▶ stdout: written to a file
- ▶ stderr: output to the terminal

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Redirecting stdout and stderr to a File

\$ command &> file

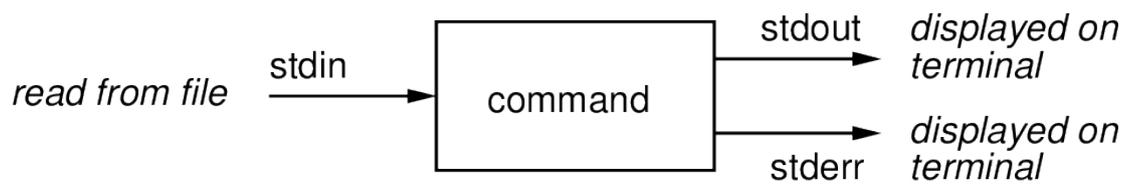


- ▶ stdin: typed into the terminal
- ▶ stdout: written to a file
- ▶ stderr: written to a file

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Redirecting a File to stdin

\$ command < file

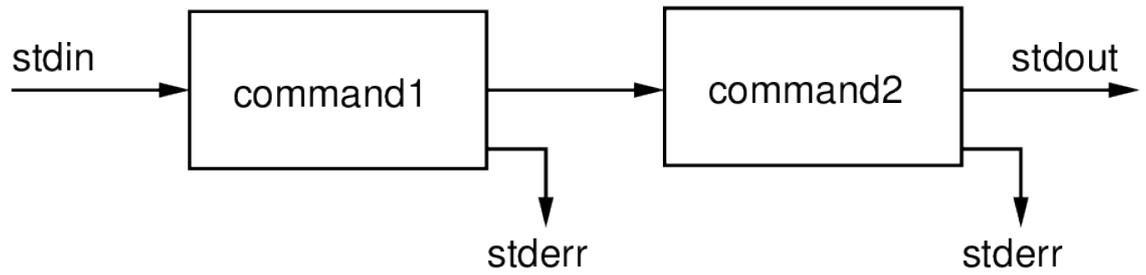


- ▶ stdin: read from a file
- ▶ stdout: output to the terminal
- ▶ stderr: output to the terminal

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Pipe stdout of command1 to stdin of command2

```
$ command1 | command2
```



- ▶ stdout of command1 is piped into stdin of command2