

GNU/Linux, Ubuntu, ...

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Outline



What is GNU/linux?

- **GNU** - Open source license, all free tools
- **Linux** - A part which handles hardware



BASH, shell, terminal

- `bash/sh, shell, terminal`
- BASH commands
- Moving around
- The GNU/Linux file-system



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BASH commands

- `ls`, `cd`, `..`
- `HOME`, `root`, `/`



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- `HOME`, `root`, `/`



File operations

- create a file
- open/close a file
- write to a file



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Other tools

- `echo`
- `cat`
- `grep`
- `sed`
- `alias`



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Other tools

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GNU/Linux packages

- apt-get, yum, rpm, pacman ...
- Manual install
 - configure
 - make
 - make install



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editors

- gedit
- nano
- vim
- GNU Emacs



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GNU Emacs

- open/close a file
- Capitalize
- lower
- UPPER



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Aakash - a low cost access device

<http://aakashlabs.org>



Scilab



OpenFOAM



Questions?



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