STOS

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Outline

- What is this project about?
- Stos presentation
- What will you implement?
- Timeline
- How to contact us?
- PFE
- How to submit patches?

What is this project about?

- A little more about Operating Systems

- More about x86 architecture

- Learn How to work with kernel code

What is STOS ?

- Monolithic kernel rewritten from scratch

- Modular architecture

- (probably) Multi-architecture

- Simple.

What will you implement ?

- ksto-1 Memory Protection
  - GDT
- ksto-2 Interrupt handling
  - IDT
  - PIC
  - PIT
- ksto-3 Pagination
  - Pagination structures

Timeline

- Monday, 2 March : This presentation
- Wednesday, 4 March : ksto-1
- Monday, 9 March : ksto-2
- Wednesday, 11 March : Deadline for ksto-1
- Monday, 23 March, ksto-3
- Wednesday, 25 March : Deadline for ksto-2
- Wednesday, 22 April : Deadline for ksto-3

How to contact us ?

- We will not answer to question outside of :
  - Lessons & Lab sessions
  - The mailing list : stos-student@lse.epita.fr

PFE around STOS

We have some PFE proposal around STOS

If you are interested, come see me after

How to submit patches ?

- No MIME, no links, no compression, no attachments. Just plain text
- git format-patch
- git send-email (NO, your MUA will not work)
- Don't forget to add version numbers to your patches

Links for patch submission

In the Linux source tree:

- `~linux/Documentation:`
  - `CodingStyle`
  - `SubmittingPatches`
  - `SubmitChecklist`
  - `email-clients.txt`