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INFO0940
Operating Systems

Project #4

Academic year 2019-2020

UPDATES ON PROJECTS

In total, **4** projects (testing on the reference VM):

Project1	Project2	Project3	Project4: ~~**2** Parts~~ **Part one only**
shell	shellv2	Adding syscall(s)	Playing with memory

User space — **10%**

Kernel space — **30%**

A bit of research → A lot of research

Easy → Difficult

YOUR LAST PROJECT

Drawing project

1. No implementation (only a diagram and a report);
2. The main objective of this assignment is to understand what's happen during a `fork();`
3. Investigate within the Linux kernel sources to create a diagram which describes the relevant "actions" when you call `fork();`
4. We **expect** that you mention aspects than concern the memory management (e.g., COW, page fault handling, ...);
5. Do not mention small or unusual steps!

Try to understand!!! You might have a similar question at the oral exam...

YOUR LAST PROJECT

1. **NO EXPLANATION TEXT** on the diagram:
   - Of course you can name links, frame, paths, a little legend, …;
   - The drawing must be clear;
   - Explain your “drawing” in the report (Max **3** pages - references not included);
2. Can be a big scheme of the functions traversal, or a set of drawings which makes a story;
3. You can use the format you want (**it must be clear**), the colours you want.
4. Be creative but consistent!

Requirements

Others:

- Group of **two** (same than before);
- **Hard deadline**: If you forget = **0 for the project**.
- Submit a tar.gz archive (diagram + report in PDF) on the submission platform.
  No specific name is required.

Don't forget:

Plagiarism = **0 for the course!**

Deadline: 6th May 2020

Happy Drawing!