Research Progress Report

Topic: **seL4 Emulation on Linux**

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Summary of this week

For week5, I focused on the following tasks:

- Looked into the implementation of `syscalls` library in seL4
- Continue Learning some basic assembly language of X86_64 architecture.
- Learning seL4 building tool chain and modifying libsel4, trying to build a new libsel4 as an emulation layer.

Plan for next week

For the next coming week, I will focus on the following tasks (the order is from the most important to the least important task):

1. Continue build a simple `helloworld` application and modifying libseL4, also try to make IPC emulation happening.

2. Draft the thesis statements of this term.

3. Preparing for the presentation.

Time Table

(This will be my ideal timetable, the real progress will be assessed in the next week's report).

Day	Task
Sat	Thesis statement + libsel4 study
Sun	Continue Sat task + build IPC apps
Mon	Continue Sat task
Tue	Preparing for the presentation
Wed	Continue Tue task
Thu	Writing the progress Report + Weekly Sync Meetings with Axel
Fri	System meeting + Progress Report