Programming Assignment 1 Part B

Overview

The goal of this assignment is to familiarize you with SAE, a dynamic instrumentation framework which supports full-system and multi-system instrumentation. You will be reading a paper to understand the basic concept of the SAE framework and then go through a tutorial to write simple SAE tools.

SAE Hands-On Tutorial

1. Read this paper on SAE. Make sure you understand the design principle behind SAE before you start hands-on tutorial. The instructions for SAE hands-on tutorial can be found on Canvas file folder under <Programming Assignments> / SAE_tutorial_instructions.tar.gz.
2. You will download a VirtualBox image using scp. The download instruction can be found on Canvas file folder. After downloading is finished, import the VirtualBox image and then you can start working on the tutorial.
3. Go through the tutorial step-by-step. Notice that the tutorial instructions are also included in your VirtualBox image and you can find them on the desktop.

Submission Guideline

This assignment is due on Feb 14th, Tuesday, 11:59pm. In your submission, provide a compressed archive including all the source code and scripts that you are required to complete in the tutorial, as well as a short report summarize your experience regarding to this tutorial and SAE itself. The report should be no longer than 1 page.