mp1 warm-up: Set Up the Virtual SAPC environment

Assigned: 9 September 2021   **Due:** 16 September 2021 class time

I. OBJECTIVES:

The purpose of this assignment is to set up the virtual SAPC environment and run a simple program on the VM. Students can follow the steps shown in the class lecture02.

II. WARM-UP STEPS:

1. Download and install the corresponding version (PC, MAC or LINUX) of VMWare on your computer.

2. Follow the instructions in http://www.cs.umb.edu/~cheungr/cs341/VMWare-for-Tutor_PC_2021.pdf for PCs (or http://www.cs.umb.edu/~cheungr/cs341/VMWare-for-Tutor_MAC_2021.pdf for MACs) to download, install and configure the tutor VM and the tutor-vserver VM on your computer.

3. SSH into users.cs.umb.edu using your UNIX credentials. Go to my /nobackup/faculty/cheungr/ directory and copy my examples folder to your cs341 folder using:

> cp –r   /nobackup/faculty/cheungr/examples/   .   ← Space between / and .

4. If you cd examples/test_dir and ls, you should see the makefile and test.c

5. Follow steps in the lecture02 to build test.lnx, transfer it to tutor-vserver VM, download it to tutor VM and run it.

6. For grading purposes, create a typescript file on your PC by issuing the script command after you log into the vserver VM. Run mtip, download test.lnx to the tutor VM, and run it. After running the program, issue 2 cntl-C's and return to the LINUX prompt in vserver VM. Issue the exit command and a typescript file will be generated on your PC.

7. Since the grader has no access to your PC, you have to transfer the typescript file to your examples/test_dir/ directory at the UMB server by:

> scp typescript   your_username@users.cs.umb.edu: cs341/examples/test_dir/.