mp1 warm-up: Set Up the Virtual SAPC environment

Assigned: 10 September 2020   **Due:** 17 September 2020 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 Workstation on your PC.

2. Follow the instructions on http://www.cs.umb.edu/~cheungr/cs341/VMWare-for-Tutor_2020.pdf to download, install and configure the tutor VM and the tutor-vserver VM.

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 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 command exit and a typescript file will be generated at 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/.