Cadence Virtuoso Environment Configuration

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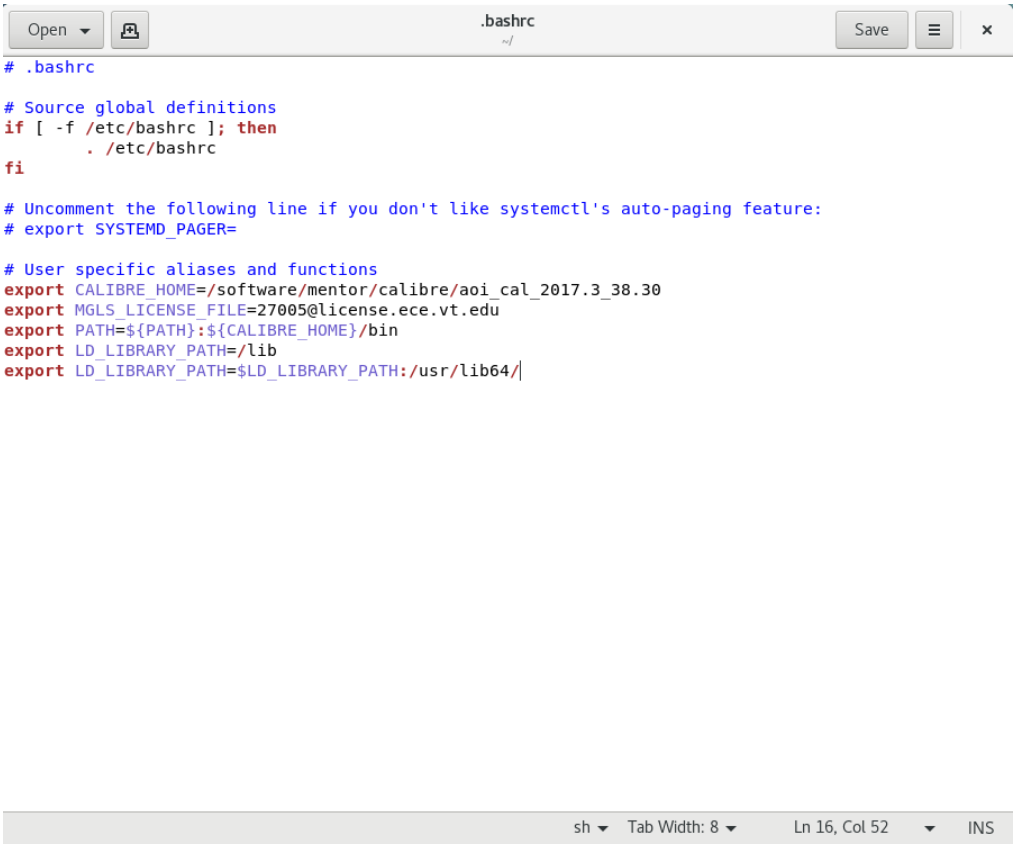
Configuration of Bash Shell

1. Tell the TA your **CVL account** (ECE account)
2. Login **ECE Guacamole**
3. Open **Terminal**
4. Enter the command "**gedit ~/.bashrc**" in the terminal to edit the bash shell
5. Copy the following script into the file

===== scripts===== (do not copy this line)
export CALIBRE_HOME=/software/mentor/calibre/aoi_cal_2017.3_38.30
export MGLS_LICENSE_FILE=27005@license.ece.vt.edu
export PATH=${PATH}:${CALIBRE_HOME}/bin
export LD_LIBRARY_PATH=/lib
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/usr/lib64/
===== end ===== (do not copy this line)



6. Save and close the file
7. Enter the command “**source ~/.bashrc**” in the SSH terminal to renew bash shell

Configuration of Process Environment

1. Enter the command “**mkdir ECE4220**” in the terminal to create your own working directory

2. Enter the command “**cd ECE4220**” in the terminal to open the working directory

3. Enter the command “**cp -a /home/ece4220/PDK/180nm_TSMC/Required_LIB_Files/. ./**” to copy necessary files to your working directory

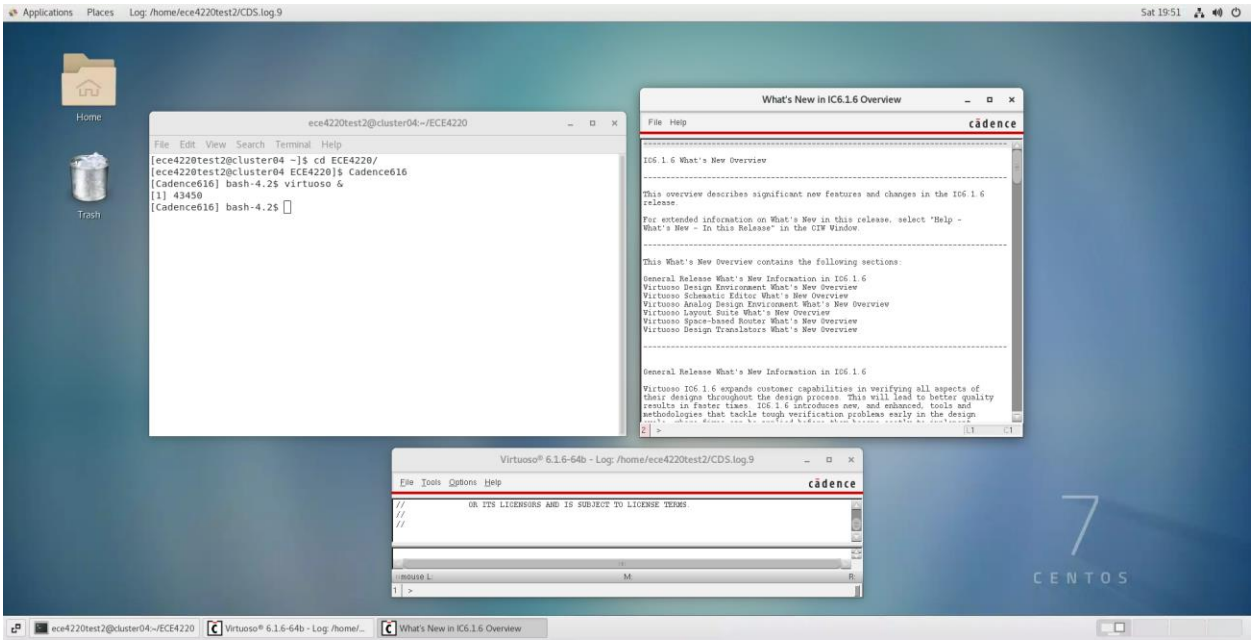
Access to Cadence Virtuoso Environment

1. Make sure that you are in the working directory “**ECE4220**” that you just created

2. Enter the command “**Cadence616**” in the terminal

3. Enter the command “**virtuoso &**” in the terminal

4. Cadence Virtuoso 6.1.6 should start

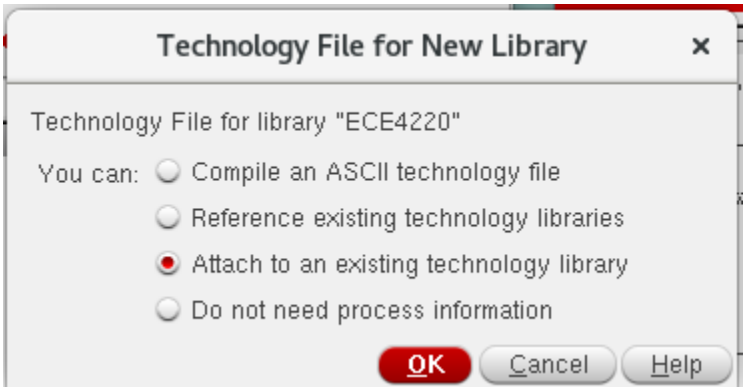


Attach TSMC180 PDK to Your Working Library

1. In the **Cadence Information Window** (CIW), click **Tools**, and then click **Library Manager**

2. In the **Library Manager**, click **File**, then click **New**, and then click **Library**

3. In the **New Library**, enter the new name for your working library (e.g., "ECE4220") hit "**OK**", and select **Attach to an existing technology library**



4. In the **Attach Library to Technology Library**, select **tsmc18** and click **OK**

You are all set for the environment configuration!