

Best Practices for Optimizing Solidworks Simulation Module.

SolidWorks creates a large number of temporary files during a simulation run. These temporary files will be created in the same folder as the SolidWorks simulation file unless there was a setting to specify a predefined folder for the temporary files. The temporary files are removed upon completion of the simulation. Since students run the simulation file from their network home folder on U: drive which is a central network storage separated from the VDI host, all file read/write activities must traverse the storage network resulting in a slower simulation performance.

We have the following recommendations that will speed up the simulation run for the students:

1. **Advise students to run their SolidWorks on C: drive, specifically:**
 - A. **Create C:\SWtemp folder on C: drive, if it does not already exist.**
 - B. **Copy relevant SolidWorks files from the network home folder on U: drive or from Google Drive to C:\SWtemp folder.**
 - C. **Run the SolidWorks files off C:\SWtemp folder.**
2. **Save the simulation results files to the network home folder on U: drive or Google Drive. Please be mindful that anything created on C: drive is wipe clean upon student logoff, or VDI restart. Therefore, it is important for students to save anything they want to retain onto a persistent storage such as their network home folder on U: drive or Google Drive.**
3. **We can increase the disk quota of network storage to 40GB. If students need larger central disk space, they can move or save their dormant files on their Google Drive.**