

GTMS Quick Start Guide

F23

7/9/2022



Contents

File Storage How To	1
ARGO	1
SHAREPOINT	2
PDM STRUCTURE	3
SolidWorks	4
INSTALLATION	4
New Installation	4
Upgrading From Previous Version	2
SETUP PDM	9
Fresh Install	9
Coming from Previous SolidWorks Version	12
GTMS CAD STANDARDS/START PARTS	12
Part Orientation	12
Part/Assembly/Drawing Templates	13
SolidWorks Standard Settings	15

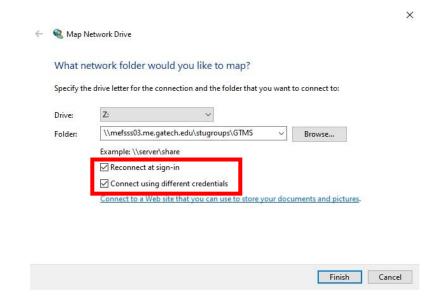


File Storage How To

ARGO

Argo is a server location run by the school. We store working documents and a lot of other random things there. It's extremely messy and has a ton of random files in it: a perfect example of the GTMS culture. Getting access is as simple as mapping a network drive. **Need VPN/Wifi**

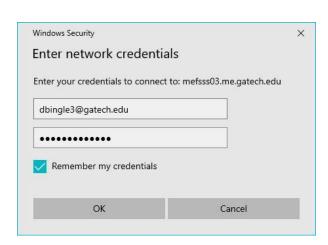
1. Location: \mefsss03.me.gatech.edu\stugroups\GTMS



2. Login using your GT credentials

a. User: <u>GTUSER@gatech.edu</u>

b. Password: YourPassword

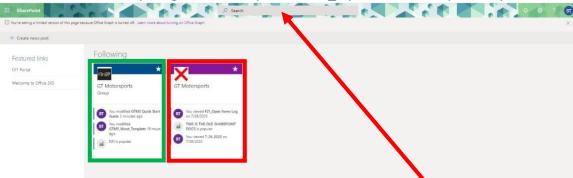




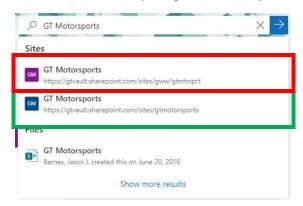
SHAREPOINT

We try to store team resources on a GT SharePoint site. Stuff like this guide, some templates, presentations, reports and SOPs should be stored here as well. No need to be on VPN to access SharePoint, but you'll need to request access to the site before you can see/edit anything. There is an older version that should no longer be used.

1. Location: https://gtvault.sharepoint.com/_layouts/15/sharepoint.aspx



2. Your home screen (seen above) will be empty. You have to search GT Motorsports. Location: https://gtvault.sharepoint.com/sites/gtmotorsports



3. You'll have to request access. Once granted access, make sure to follow the page.

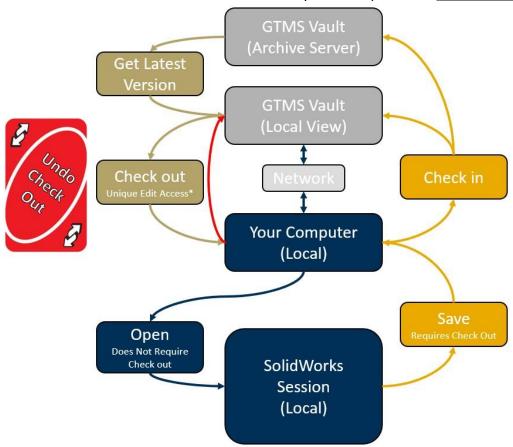
You need permission to access this site.





PDM STRUCTURE

SolidWorks PDM (Product Data Management) is a file location linked to SolidWorks to store mostly CAD files. GTMS has a vault that stores all our car CAD. Please see this graphic for the structure of it. Ask a seasoned team member if you have questions. **Must be on VPN/Wifi**



^{*}Note: You generally only check out when you intend to **permanently modify and version something**. You can open, view, and modify files that are not checked out. It is not best practice, however, to make local modifications and then save in a local PDM location without the intention of uploading changes to the server.

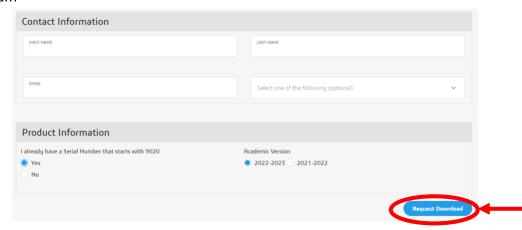


SolidWorks

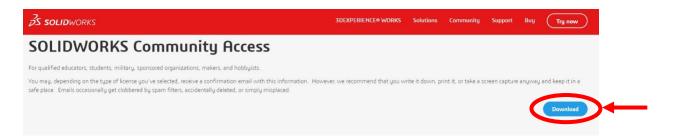
INSTALLATION

New Installation

1. Go to https://www.solidworks.com/sek and fill out your information, select Student Team

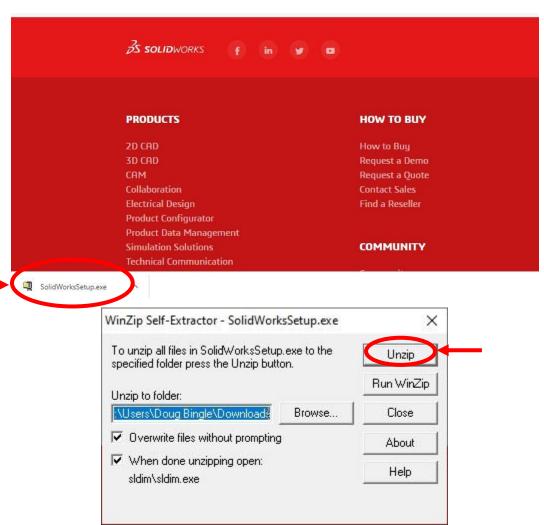


2. Download Files



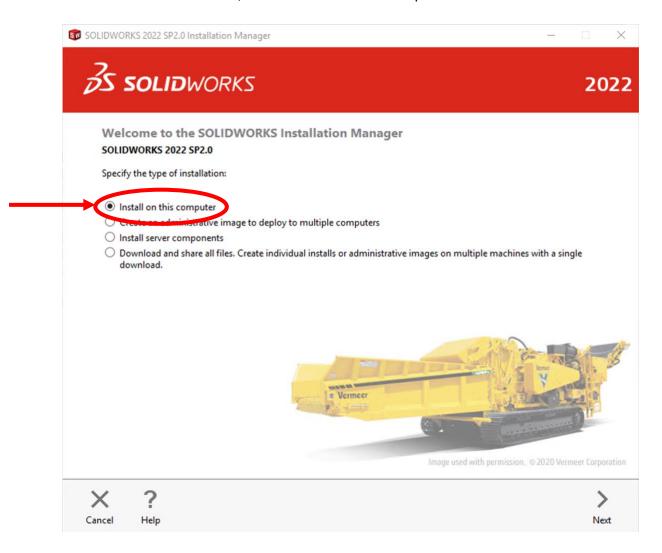


3. Run and unzip the files





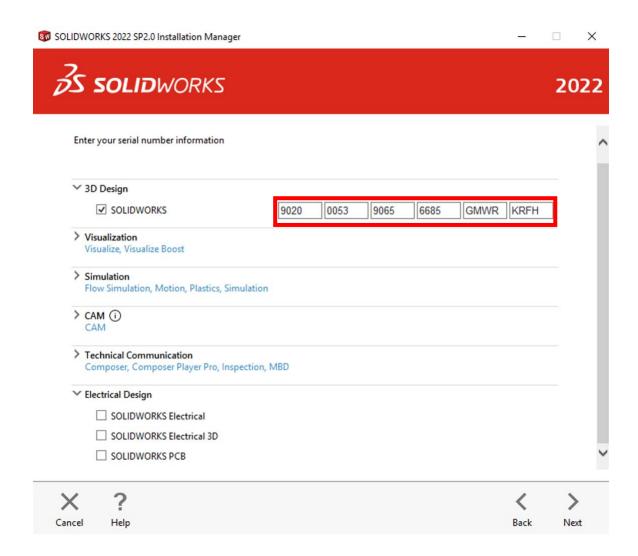
4. When the client launches, select "Install on this Computer"





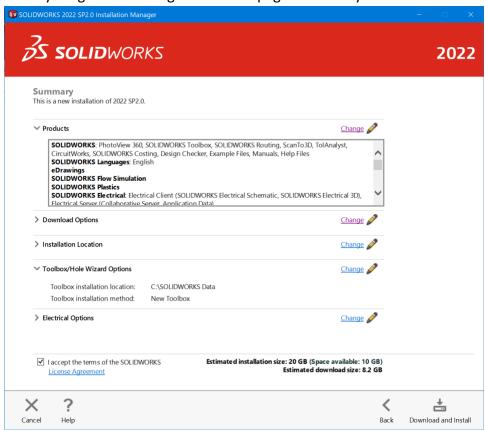
- 5. Enter the serial numbers for what you want. NOTE: If you are coming from an earlier version, CAM and other features have been condensed into a single serial number, remove all other serial numbers.
 - a. SolidWorks:

9020005390656685GMWRKRFH

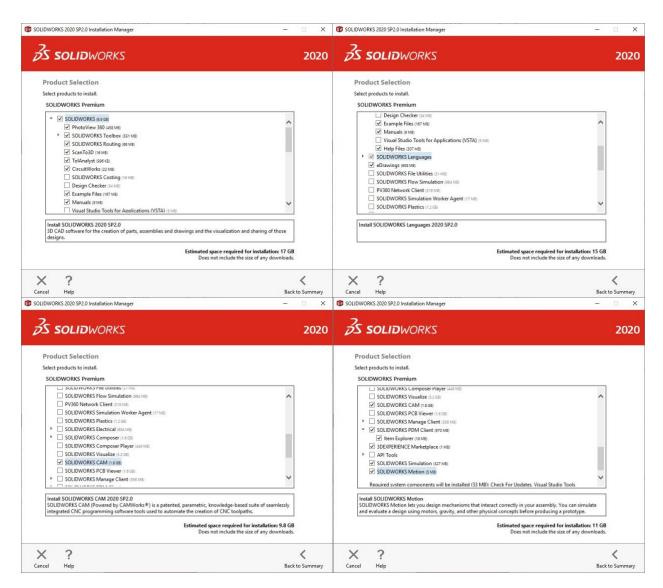




6. This is where you can customize your install. In several years, I have never touched a few options so I don't bother installing them to free up space. You can default and do everything or hit "Change". The next page is what my last install looked like.

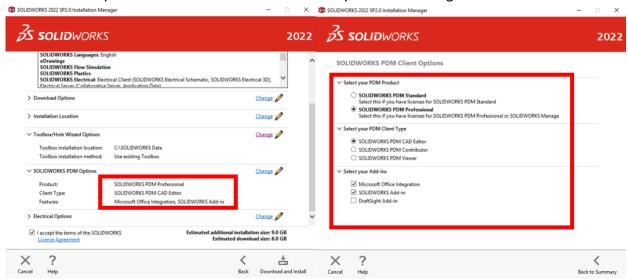




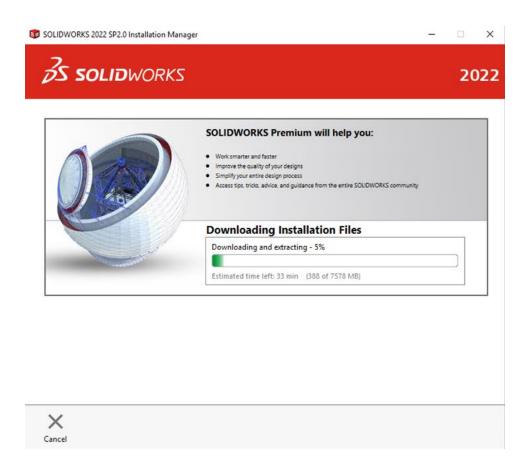




7. Go back to the previous screen and then make sure you are installing the correct PDM.

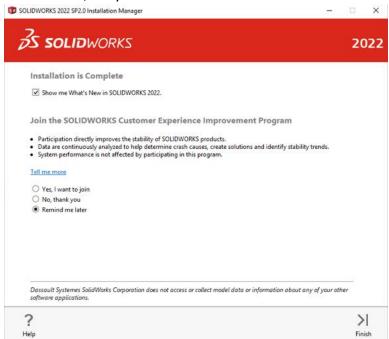


8. Hit install

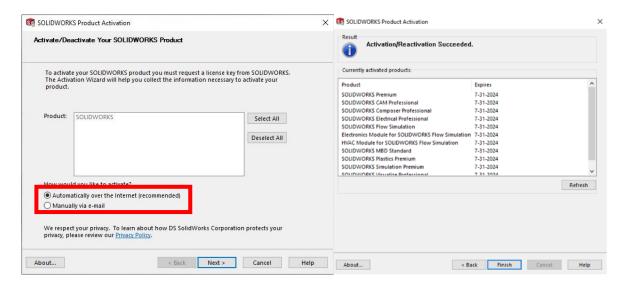




9. Do what you want here, it's your data not mine.



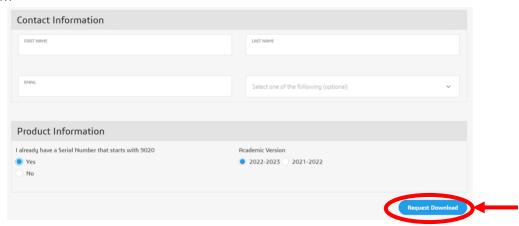
10. You have to activate the license once done; it should expire at the end of July in 2024.





Upgrading From Previous Version

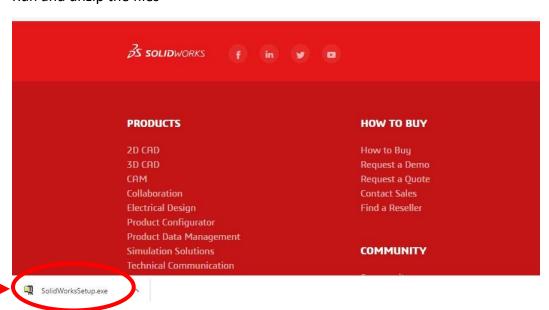
1. Go to https://www.solidworks.com/sek and fill out your information, select Student Team



2. Download Files

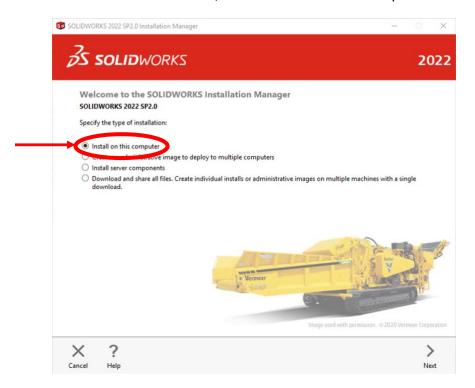


Run and unzip the files

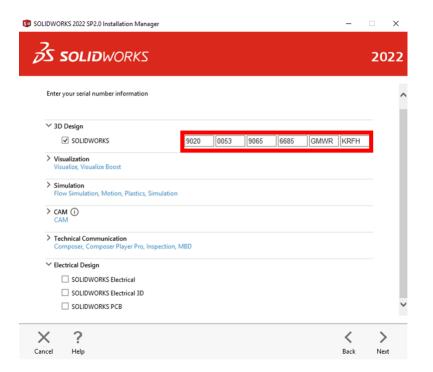




9. When the client launches, select "Install on this Computer"

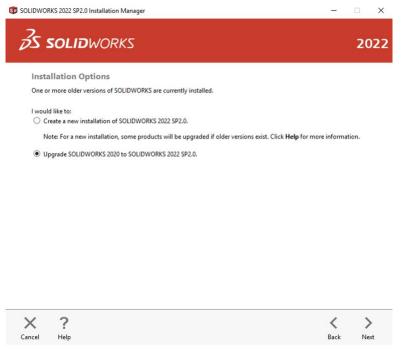


10. Enter the serial number: 9020005390656685GMWRKRFH.

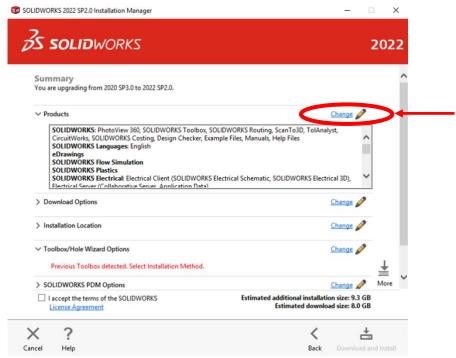




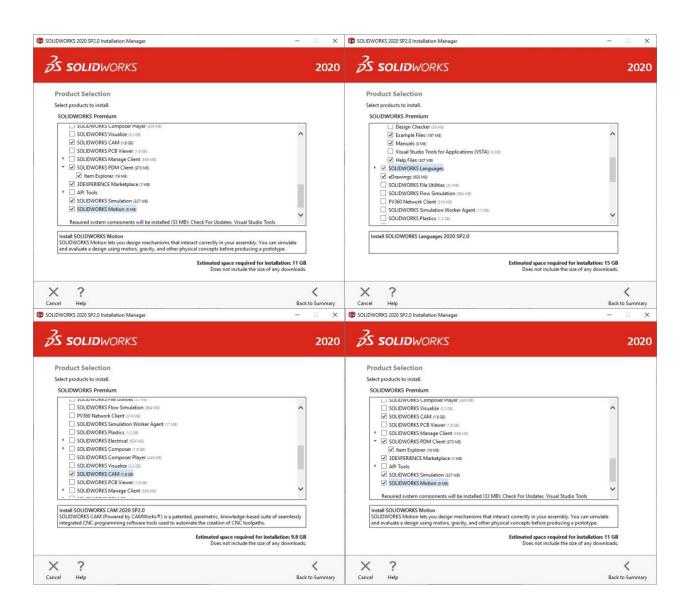
11. Select the second option upgrade your current installation.



12. This is where you can customize your install. In several years, I have never touched a few options so I don't bother installing them to free up space. You can default and do everything or hit "Change". A standard install selection is on the next page.

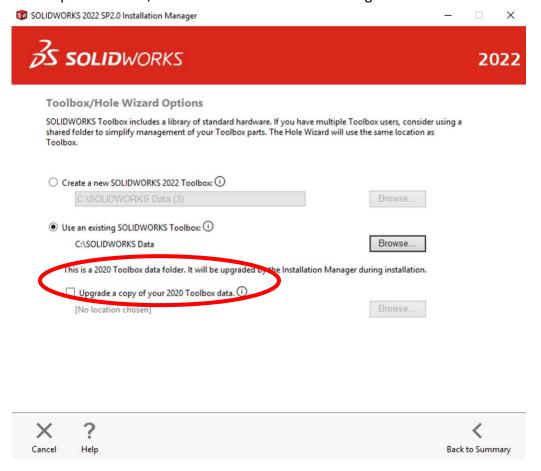




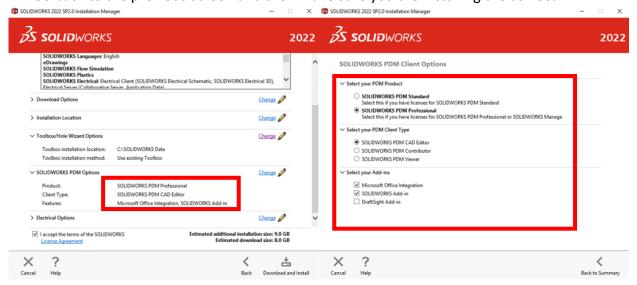




13. Before clicking "Download and Install", click the "Change" button next to "Toolbox/Hole Wizard Options". Then, hit browse and select the existing "SOLIDWORKS Data" folder.

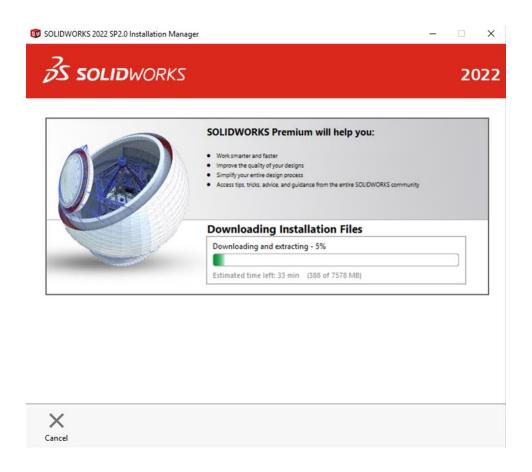


14. Go back to the previous screen and then make sure you are installing the correct PDM.



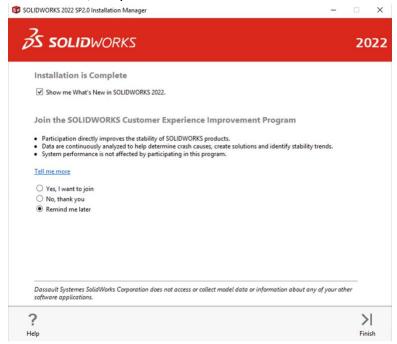


15. Hit install.

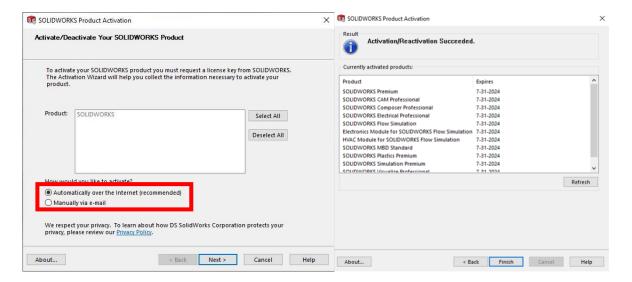




11. Do what you want here, it's your data not mine.



12. You have to activate the license once done; it should expire at the end of July in 2024.

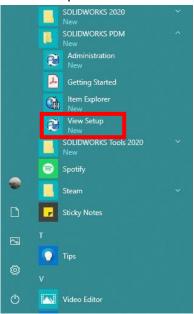




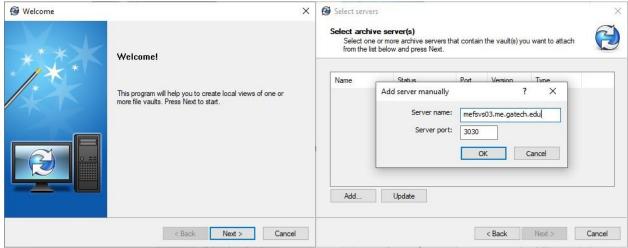
SETUP PDM

Fresh Install

1. Open SolidWorks PDM View Setup



2. Hit next on the wizard, add our archive server location.

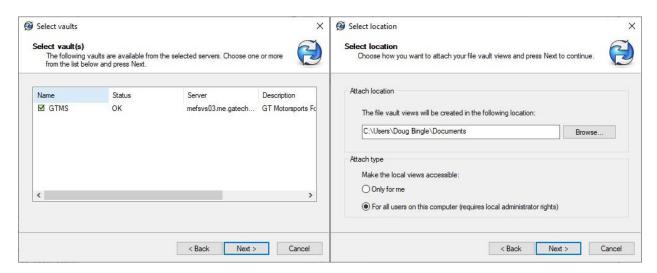


3. Login using the MEFSVS03 local account

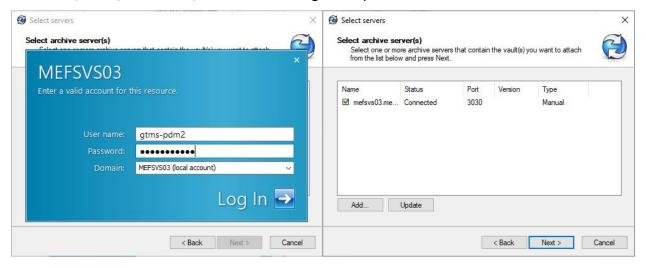
a. User: gtms-pdm2

b. Password: M0t0rsp0rt\$



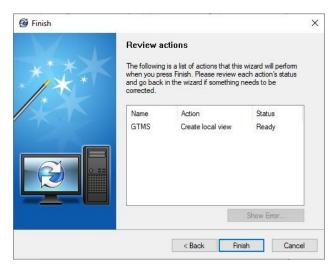


4. Select the GTMS vault and select a location. Can be anywhere, but C:\Users\UserName\Documents is the generic place to do it

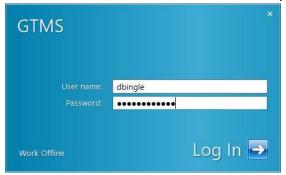


5. Make sure GTMS status is ready and create local view.

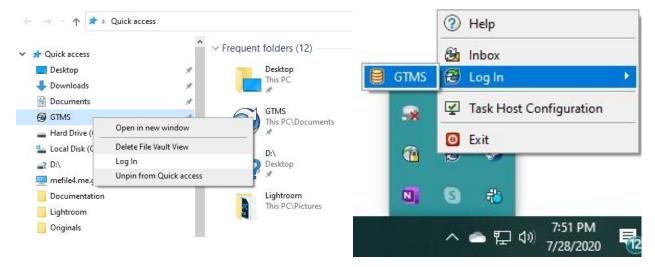




6. Login using your PDM credentials. Ask a team member for help if you don't have one.



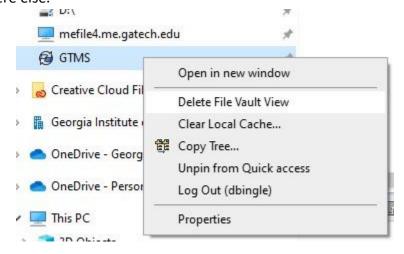
7. If it doesn't prompt immediately, you can login via your file explorer or your taskbar. Green folders = online, Blue folders = offline

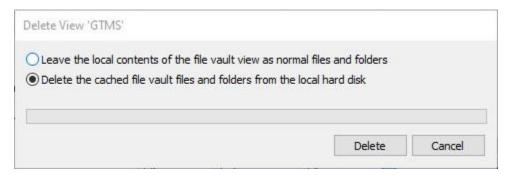




Coming from Previous SolidWorks Version

- 1. Reboot after installing SolidWorks, it may or may not work.
- 2. If rebooting doesn't work, remove the local view and follow fresh install instructions. If you have everything checked in, you can delete everything locally. If you have local files that need to be uploaded, leave them but it will keep a GTMS folder move it somewhere else.



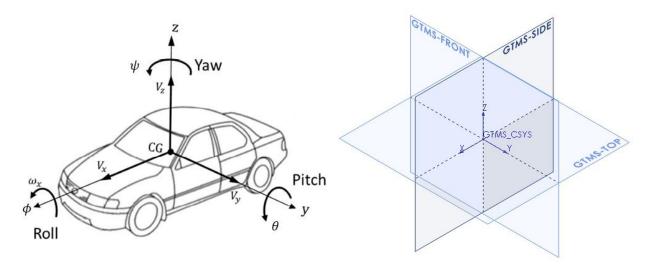


GTMS CAD STANDARDS/START PARTS

Part Orientation

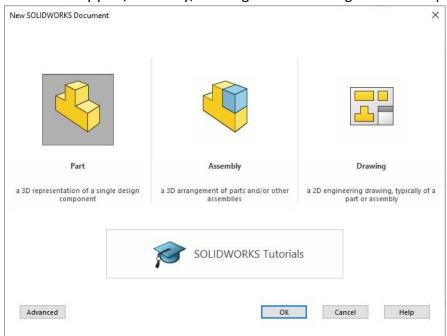
Standard vehicle coordinate systems are Z-vertical/ Y-lateral/X-longitudinal. We follow this standard and is used in GTMS part templates. These part templates are also for consistent units and formatting, etc. There are also some standard GTMS CAD settings that should be used, most can modified to your personal preference after they are imported.





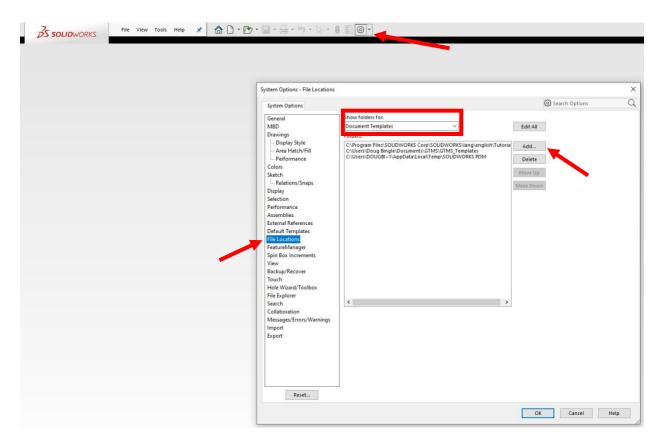
Part/Assembly/Drawing Templates

This is what should pop up every time you create a new document in SolidWorks. You want to make sure you create every part/assembly/drawing for GTMS using a GTMS template.

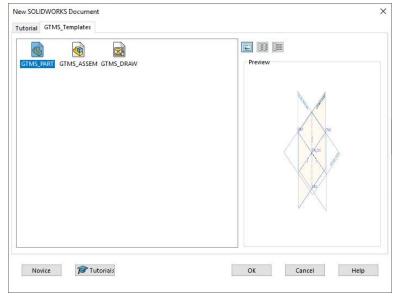


1. Hit the gear at the top of your screen and go to file locations. Make sure you are looking at Document Templates file locations. Add the GTMS_Templates folder in PDM.





2. Now, when you start a "New SolidWorks Document" hit advanced and you should see the GTMS templates. **Every document for GTMS needs to use these.**





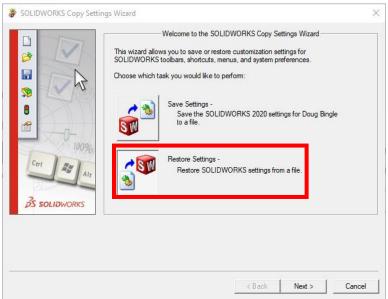
SolidWorks Standard Settings

This is mainly for a couple behind the scenes things, 99% of settings should be okay to modify after imported. Talk to the Chief Engineer if you ever run into issues.

1. Hit the gear and go to "Save/Restore Settings"



2. Click Restore Settings and next



3. Browse to the GTMS_Templates folder in PDM and find the GTMS_CONFIG_GENERIC.sldreg file.



