

The Server

The server allows remote access to:

- Network licensed software
- Team data via a Share Folder
- Solidworks Workgroup PDM

You can use these programs and access the team data anywhere from any computer as long as you are on campus or the computer is connected to the UF Virtual Private Network (VPN).

The UF VPN

Information on the VPN can be found at: <https://connect.ufl.edu/it/wiki/Pages/glvpn.aspx>

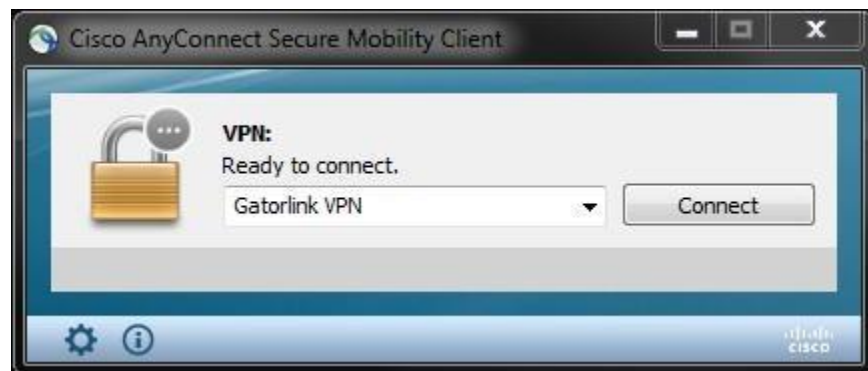
Copy that address into your web browser or just search “UF VPN” in google.

Follow the link under “Client Download” to download and install the UF VPN.

Follow the instructions under “Guides/Documentation” to configure the UF VPN for the first time.

Be sure to allow the Cisco AnyConnect Client through any firewall you are using.

Once everything is set up, this will appear when you run it:



Log in with your normal UF username (without the @ufl.edu) and password:



You can then use the server.

The Network Licensed Software

- ANSYS Workbench 19.2
- Ricardo software (WAVE, VECTIS, IGNITE, RDM and HEEDS)
- SolidCAM 2017/18

In this licensing model, we are given a small number of licenses that can be used simultaneously.

Any computer can borrow one of the available licenses.

The license is returned to the pool once you are done using the software.

ISM is in charge of who gets access to this software.

He or she will help you set it up once you are approved to access the team's data.

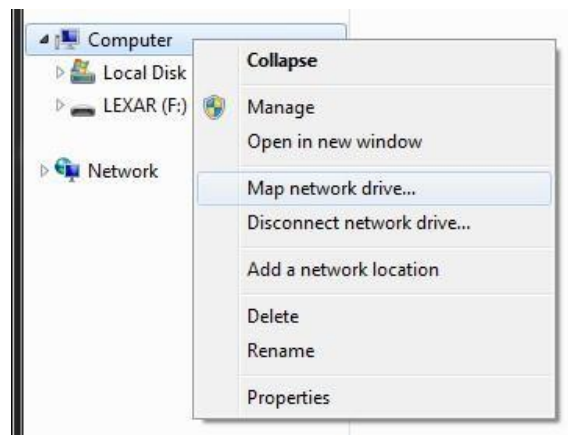
The Team's Data

The team's data is hosted in a Windows Share called "GMS-DRIVE" on the server.

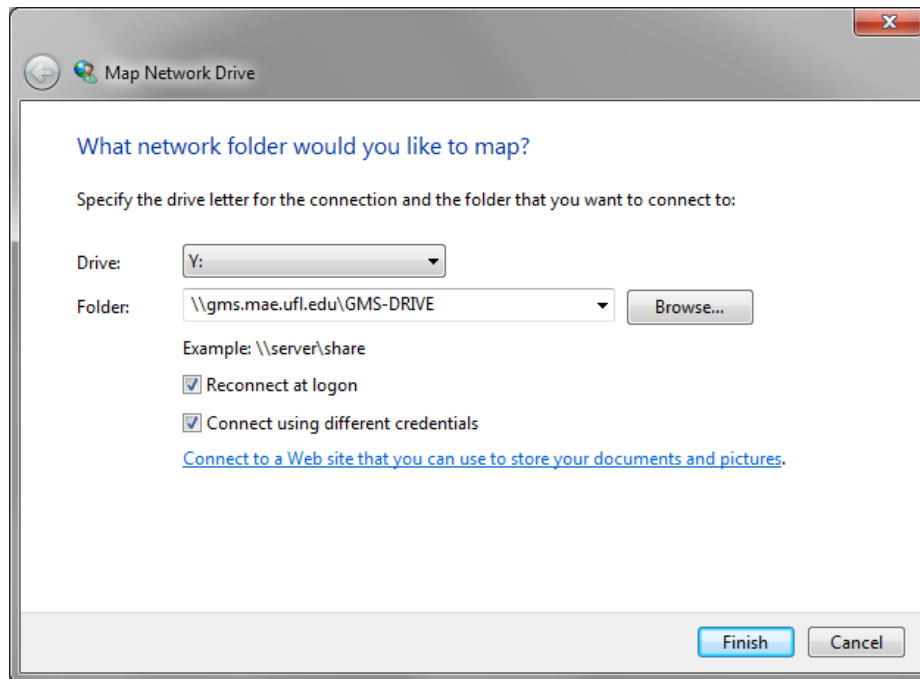
In order to get access to the server you need to contact Gonzalo Cobos (3057887226 or gcobos@ufl.edu)

Map to the "Y:" drive:

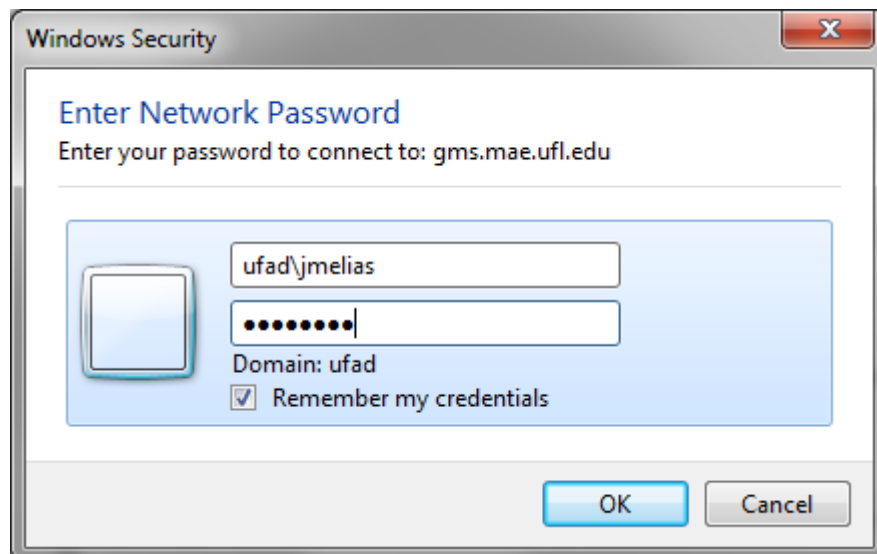
1) Open Windows Explorer and right click "Computer". Select "Map network drive..."



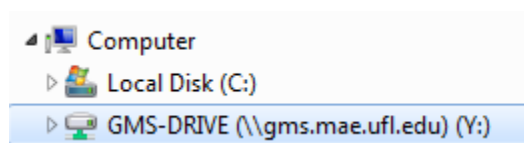
2) You can map the new drive to any letter that is available, but I suggest Y (I mean Y not?). Enter the folder location exactly as shown below and select both check boxes. Then click finish:



3) You will be prompted for login credentials (this may take a couple minutes). For the username, type “ufad\” followed by your UFL username. The password is your UFL password. **Don’t forget to remember my credentials!** Also, check “Connect using different credentials” so that it doesn’t try to log you into the server with your computer account.



4) Congratulations! You’ve mapped the new network drive:



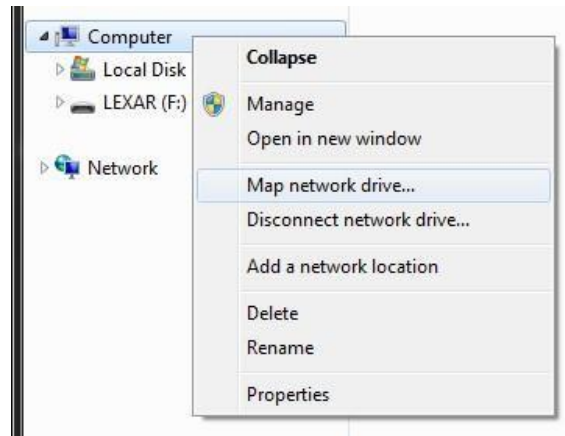
You should now be able to see the contents of the share!

REMEMBER: Your computer will only connect to this drive if you are on campus or the VPN.

If you are a new member, you may also want to map the following drive...

Map to the "N:" drive:

1) Open Windows Explorer and right click "Computer". Select "Map network drive..."



2) You can map the new drive to any letter that is available, but I suggest N because that would be the letter used to refer to it. Enter the folder location exactly as shown below and select both check boxes. Then click finish:

✕

← Map Network Drive

What network folder would you like to map?

Specify the drive letter for the connection and the folder that you want to connect to:

Drive:

N: ▼

Folder:

\\gms.mae.ufl.edu\new members ▼

Browse...

Example: \\server\share

☒ Reconnect at sign-in

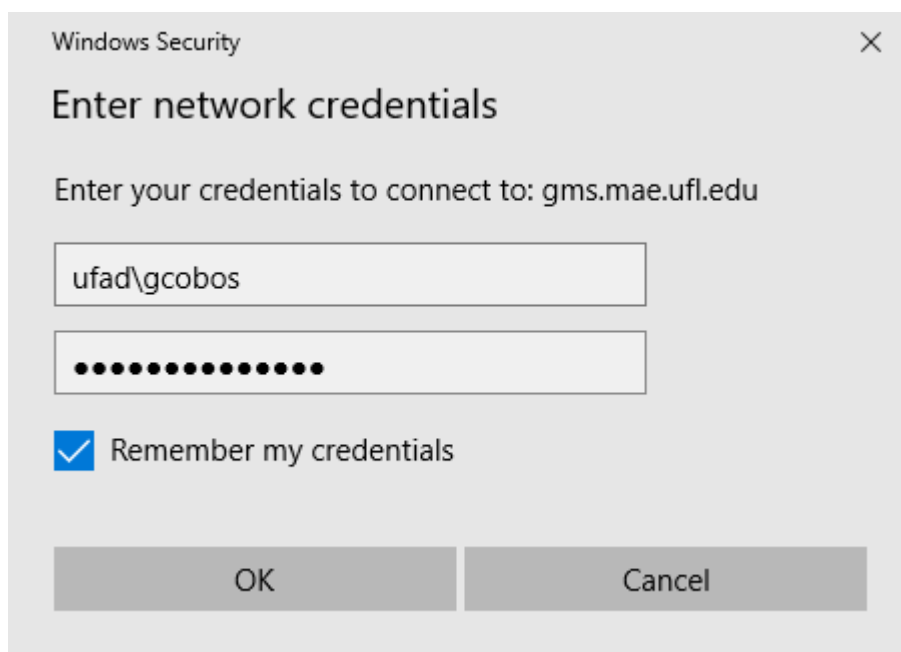
☒ Connect using different credentials

[Connect to a Web site that you can use to store your documents and pictures.](#)

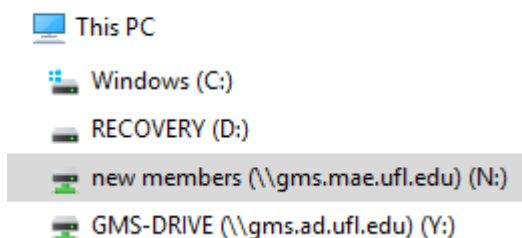
Finish

Cancel

3) You will be prompted for login credentials (this may take a couple minutes). For the username, type “ufad\” followed by your UFL username. The password is your UFL password. **Don’t forget to remember my credentials!** Also, check “Connect using different credentials” so that it doesn’t try to log you into the server with your computer account.



4) Congratulations! You’ve mapped the new network drive:



This drive is LINKED to the “New Members” folder in the Y: drive, however, it allows new members to modify files. This includes uploading files and making changes to files and being able to save them. Any changes from this drive will be automatically updated in the “New Member” folder of the Y: drive, as the drive and folder are linked (again).

Only the permissions for new members change so if you are a really annoying member and want to have access to this drive as well to take space of you network drives, go ahead and add it.

REMEMBER: Your computer will only connect to this drive if you are on campus or the VPN.

General File naming Etiquette:

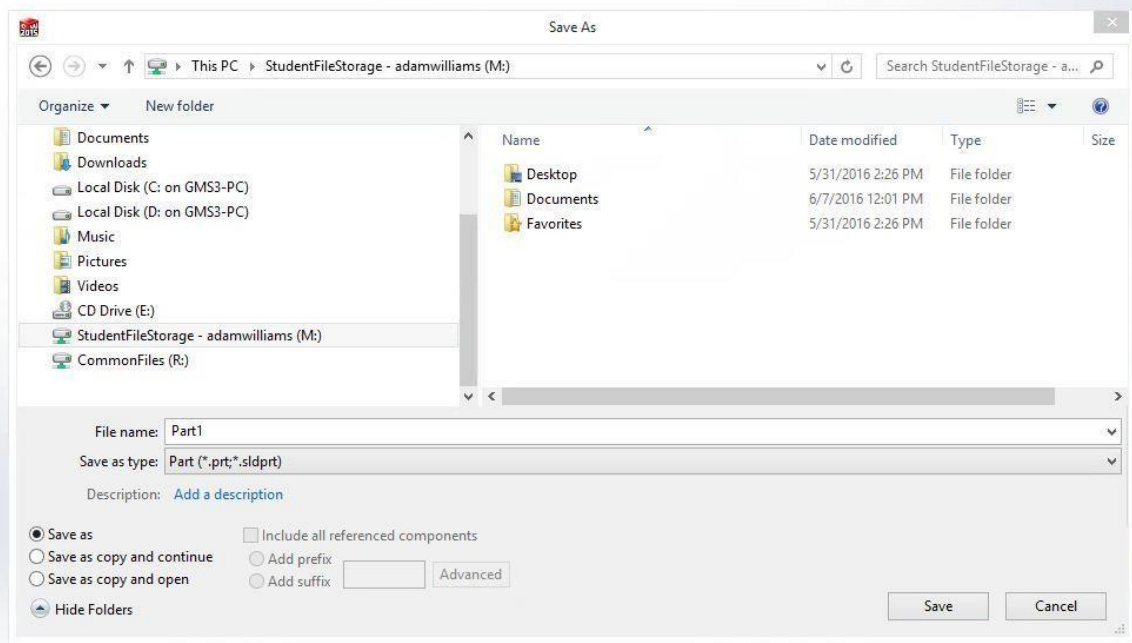
- All words in a title should start with a capital letter (but do not write in all caps)
- Separate words with spaces (not underscores or hyphens)
- Do not use periods or commas in file names (use an underscore)
- Try to make the name informative but short (there is a limit to how long folder/file extensions can be...)
- Anything named any version of "Part1", "Thing 2", "Derp 9000" etc. will be deleted

The Folder Structure:

- Design – All of the documents produced in the design process
 - By system – you can create subfolders as needed but please only do so when necessary
 - This is where you keep all of your excel calculators and system design summaries
 - Naming – Put the year at the end of the name so that it is clear when the file was authored
 - Shortcuts to the Media folder for pictures or videos pertaining to design documents
- Media – all pictures and videos
 - By year (the team, the car etc.)
 - By event
 - Naming – whatever the camera calls it is fine
 - Separated by project or topic (other cars, F1 cars, non-seasonal testing etc.)
 - Try to rename to something logical otherwise it can be what the camera called it
 - Do not call pictures any form of "Picture 1" "Pic 1" etc.
- Member Files – personal workspaces
 - A place to draft documents and parts
 - As soon as it develops to the point that it could be useful to someone else (even if it is not complete) move it to an appropriate location
 - This folder will be purged at the end of every season!
- Research Archive – any informative paper (usually authored outside the team)
 - By topic
 - Make sure not to link to webpages (pages move and links break)
 - Instead, save the webpage as an html document (and associated folder)
 - Naming
 - Papers and articles – The exact name of the paper (include leading "The" or "A")
 - SAE and Military documents – same as above but add the SAE or military designation at the end of the file name in parentheses
 - Text Books = "Title - Author" and are placed in their own folder
 - Documents without titles – do your best to come up with an informative name
 - Please check the archive before searching google. There is a lot of great stuff in there
 - If you have a document you would like to add, triple check that it is not already in the research archive by searching the folder for the title of the paper.
- Rules - Yearly rule documents and rule clarifications
- Season Archive – the terrifying rats' nest of files that is the team's history
 - Do not save anything here
 - If you find something useful here, make sure to move it to a more accessible location
 - Testing – logged data, testing plans, testing templates, track plans etc.

Using Solidworks from UF Apps

- This is primarily for new members as we only have a finite amount of licenses
- Open up UF apps from <https://apps.ufl.edu/vpn/index.html>
- Log in using your basic UF credentials
- Click Install to either install the Citrix receiver or detect it in your browser ○ There are instructions for installing on the apps page, if need additional help talk to IT
- Once the Citrix receiver is installed and detected navigate to the Solidworks app, use the newest version
- It will be ran on a server in the CSE building, not on your computer resulting in some issues ○ The default directory will be the M drive, “StudentFileStorage – Gatorlink (M:)”
 - You cannot access the PDM or use the GMS templates
- Using the UF apps version will be the same except saving and opening files ○ To save and open files on your computer navigate to “Local Disk (C: on Comp-PC)” and then choose the appropriate folder to save or open the file



- IMPORTANT: Solidworks will say it cannot save the file, but actually it does so don't panic just click ok
- Once saved on your computer you can transfer to wherever via flashdrive, email, or using the Z drive