

ArcGIS Pro

Minimum Requirements

- MacOS: You must have at least MacOS 10.15 or the VPN will not connect
- Increase Pass Drive Space using the following link: sites.psu.edu/wsithelp/2017/10/17/how-to-increase-pass-space (Be sure to clean out all unnecessary files).



[How to Increase PASS Space](https://sites.psu.edu/wsithelp/2017/10/17/how-to-increase-pass-space)

- GlobalProtect VPN (Free from Penn State, instructions for downloading in Step 1 below). Note, some have needed to install an antivirus software for the VPN to work. If you don't already have antivirus software, use the following link to download and install free antivirus software through Penn State: security.psu.edu/education-training/anti-virus, before proceeding.



[Free Antivirus Software](https://security.psu.edu/education-training/anti-virus)

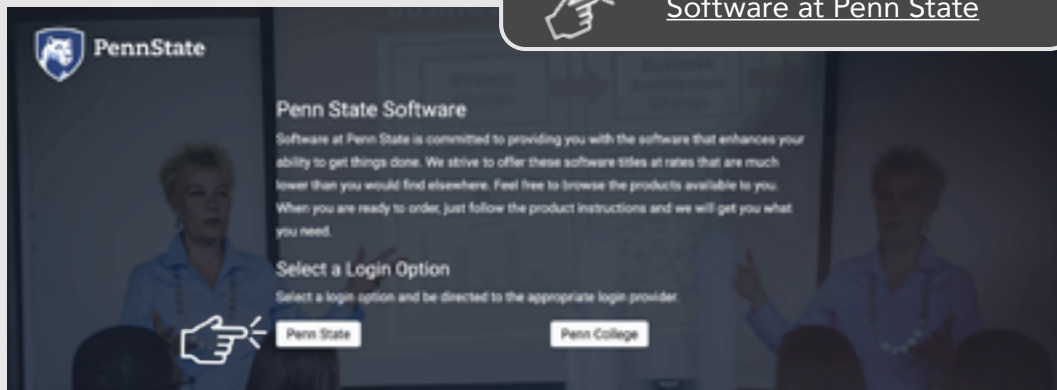
- Microsoft Remote Desktop

Step 1: Install VPN

- Step 1a: Visit the following link: www.software.psu.edu and click on "Available Software."



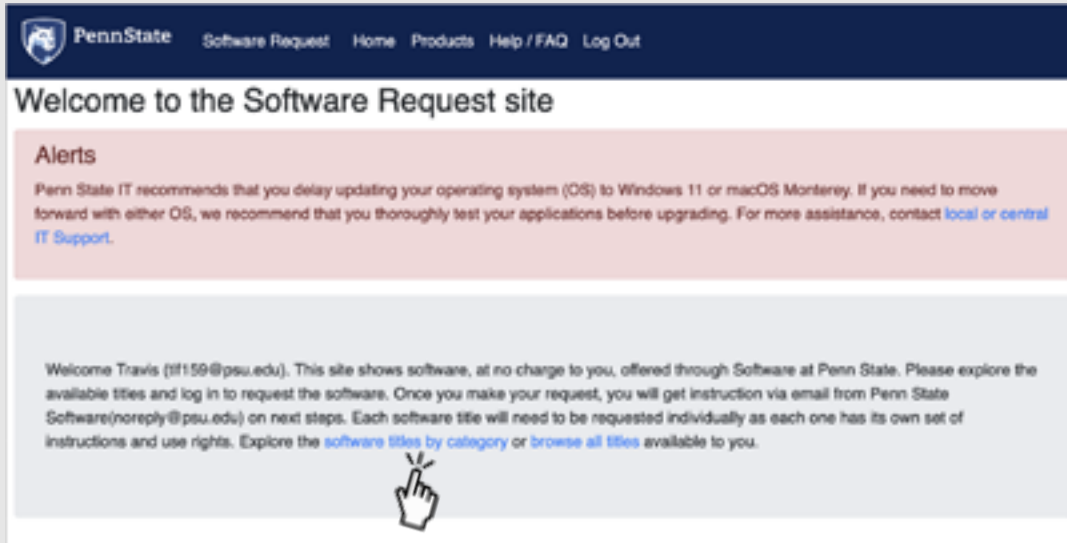
[Software at Penn State](http://www.software.psu.edu)



- Step 1b: Select "Penn State."

Step 1: Install VPN (Cont.)

- Step 1c: Click on the link “software titles by category.”



The screenshot shows the Penn State Software Request site. At the top, there is a navigation bar with the Penn State logo and links for Software Request, Home, Products, Help / FAQ, and Log Out. Below the navigation bar is a heading "Welcome to the Software Request site". Underneath is an "Alerts" section with a message from Penn State IT recommending OS updates. The main content area contains a welcome message for user Travis (tlf159@psu.edu) and a link to "software titles by category". A hand cursor icon points to this link.

- Step 1d: Within the “Connecting to Penn State” category, click on “Download” for GlobalProtect VPN.



The screenshot shows the "Explore Software By Category" page. It features a search bar and a "Browse All Software" button. The main section is titled "Connecting to Penn State" and lists software related to this category. Four software items are displayed in a carousel: "Brewin TNG270 1.4.0", "GlobalProtect VPN", "Host/Explorer 13.0.0.209", and "Open OnDemand". The "GlobalProtect VPN" item is highlighted with a red box, and a hand cursor icon points to its "Download" button.

Step 1: Install VPN (Cont.)

- Step 1e: After clicking on "Download" in Step 1d, you will be presented with an Export Control Agreement. Check the box and click the "Get Downloads" button.
- Step 1f: Click on the download under Macintosh. In the pop-up download window, choose "Save File" and click "OK." If presented with an option, save it to your downloads folder.
- Step 1g: For specific instructions on installing the VPN software, please visit the following links depending on your MacOS:



[MacOS 10.x](#)

https://pennstate.service-now.com/sp?id=kb_article_view&sysparm_article=KB0013420&sys_kb_id=1ebbeace1b998150108915ff034bcb08&spa=1



[MacOS 11.x or 12.x](#)

https://pennstate.service-now.com/sp?id=kb_article_view&sysparm_article=KB0016224&sys_kb_id=ffcbeace1b998150108915ff034bcb02&spa=1

Step 2: Microsoft Remote Desktop

- Step 2a: Open up the App Store on your Mac (it is free, but you will need to use your Apple credentials).
- Step 2b: Search, download, and install "Microsoft Remote Desktop."
- Step 2c: Use the instructions in the following link if you do not want to use Microsoft Remote Desktop (note these have not been verified with ArcGIS Pro or the file management instructions below:



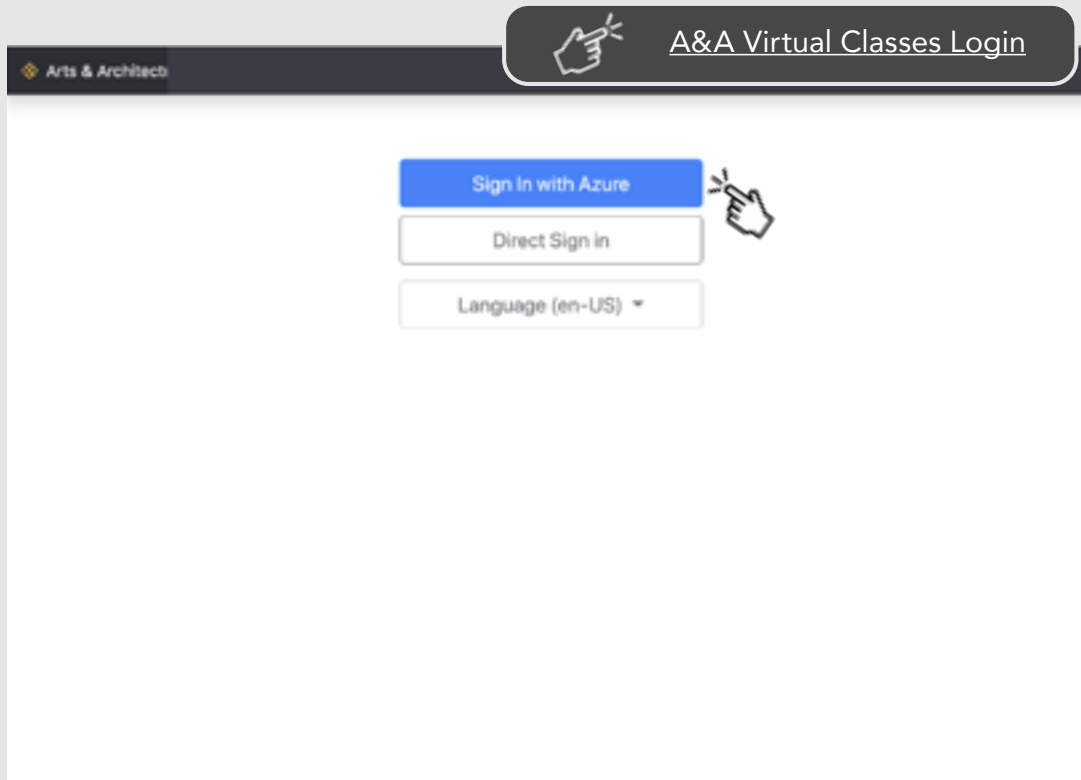
[RDP Connect Instructions](#)

<https://arts.psu.edu/wp-content/uploads/2020/09/stkmn-2008-remote-access-mac-web.pdf>

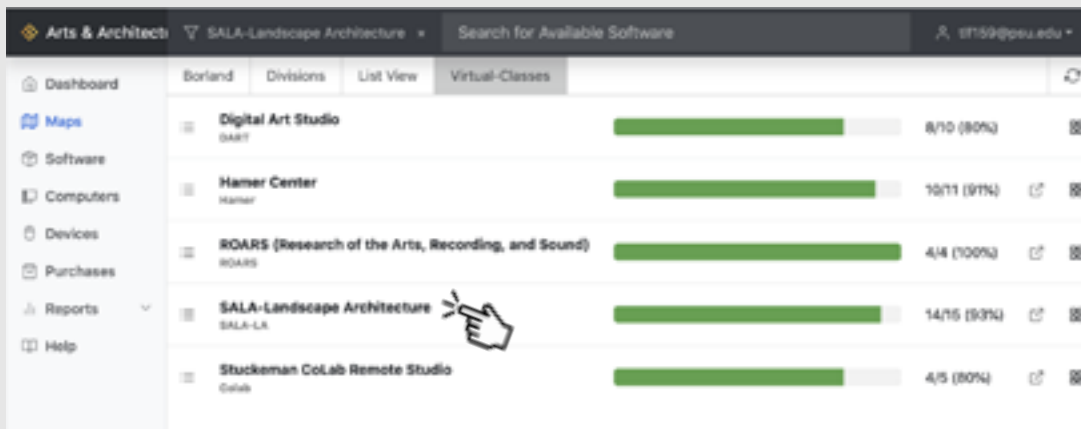


Step 3: Remote Computer Access

- Step 3a: Click on the following link: lic.arts.psu.edu/maps/Virtual-Classes, and click on the "Sign in with Azure." You may need to log in with your Penn State credentials and two-factor authentication.

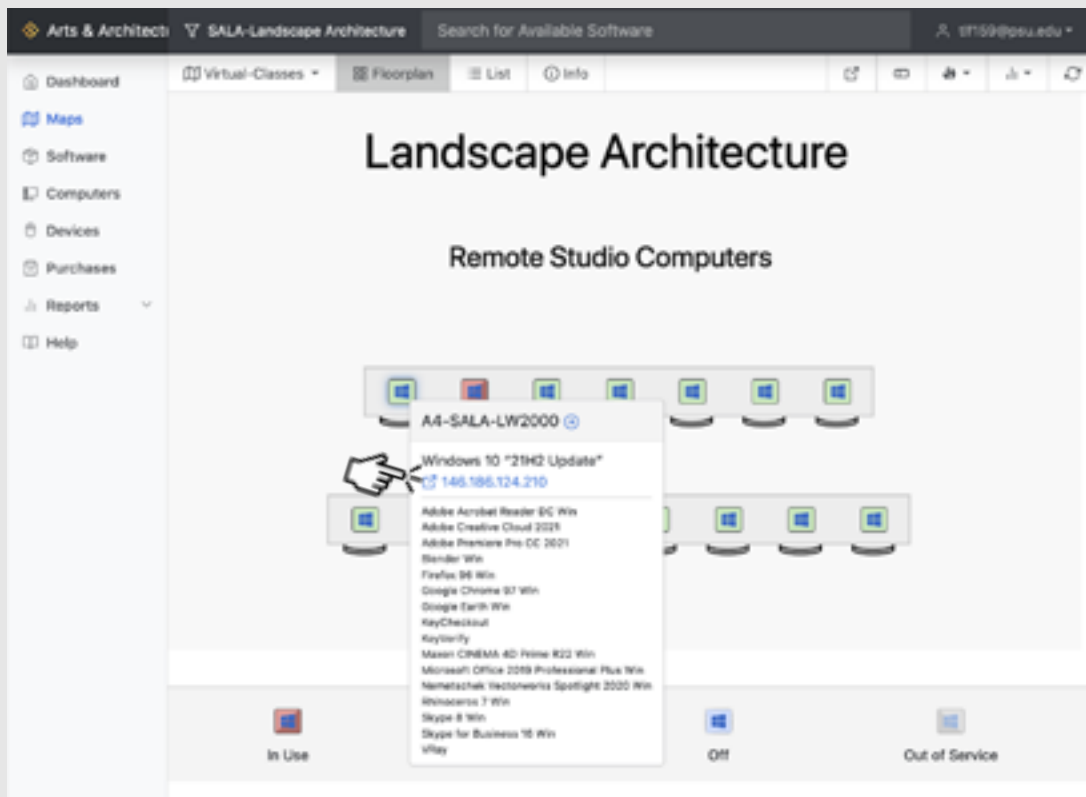


- Step 3b: Click on SALA-Landscape Architecture.

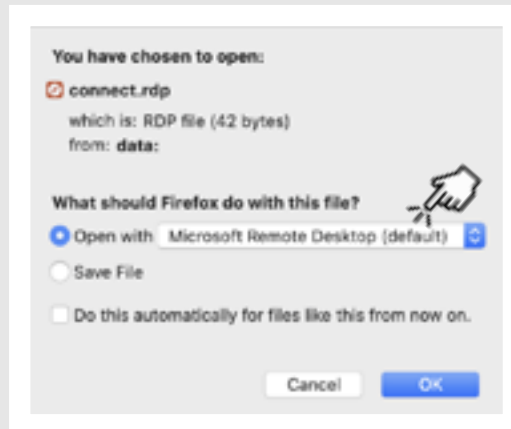
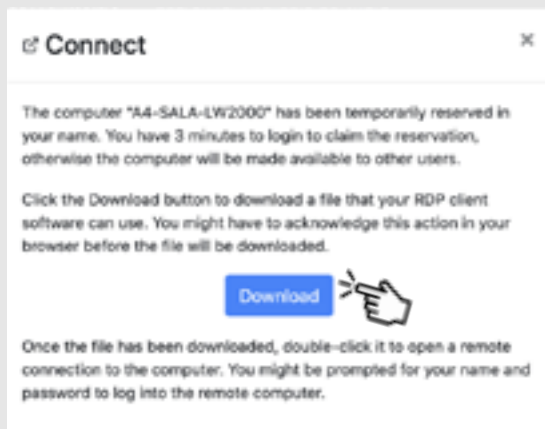


Step 3: Remote Computer Access (Cont.)

- Step 3c: This will bring you to a computer lab map. Click on an available computer, then click on the IP Address (blue series of numbers).



- Step 3d: Click "Download" and ensure that you use the "Open with Microsoft Remote Desktop (default)" and click the "OK."



Step 3: Remote Computer Access (Cont.)

- Step 3e: Log in using your Penn State Credentials, be sure to add the "@psu.edu" after your user ID. Make sure you wait about 15-30 seconds so the computer connects and maps your Pass Drive Space. If you want to check on this, it should show up on the remote computers Window Explorer as the X: Drive.

Step 4: Setup to Use ArcGIS Pro Remotely and File Management

- Step 4a: Open ArcGIS Pro on the remote computer, Note: you will likely need to log into ArcGIS Pro using the "Your ArcGIS Organization's URL" by entering "pennstate" and then use your Penn State credentials and two-factor authentication to log in.

- Step 4b: To ensure you can access your data on the Pass Drive you will need to create a new ArcGIS project. Follow the steps outlined in this video to create a new ArcGIS Pro Project: psu.mediaspace.kaltura.com/media/Remote_Desktop_ArcGIS_Pro_Setup/1_kt2g0bj0



[Remote Desktop ArcGIS Pros Setup](https://psu.mediaspace.kaltura.com/media/Remote_Desktop_ArcGIS_Pro_Setup/1_kt2g0bj0)

- Step 4c: You will need to copy your ArcGIS files and data into the new project location you created above as the remote version of ArcGIS Pro cannot connect to your local computer, nor can it connect to the pass drive in ArcGIS Pro's catalog pane. Use the following link to help guide you through this process: psu.mediaspace.kaltura.com/media/Remote_Desktop_File_Management/1_glhhmxq4g0bj0



[Remote Desktop File Management](https://psu.mediaspace.kaltura.com/media/Remote_Desktop_File_Management/1_glhhmxq4g0bj0)





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