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# Virtual Lab

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Wharton provides remote access to virtual computers equipped with the same software as Wharton's public computers. This service is designed to provide an alternative for students who otherwise aren't able to get to campus.

**Already set up?** Launch Virtual Lab from your computer or [launch online](#).

The Virtual Lab is available to students 24/7 and may be accessed from any computer running Mac OS, Windows, or Ubuntu, as well as from many mobile devices.

Use this service to:

- Access specific departmental applications such as JMP Pro, MATLAB, and other applications.
- Use Windows software from a Mac or Linux device.
- Print to on-campus printers if you aren't able to [print from a laptop](#) or [mobile device](#).

## Before you start...

To use the virtual lab you will need:

- **An active Wharton account (required).**
- **Enrollment in Penn Two-Step Verification (required).**
- **Admin access to your device** in order to install the appropriate client software on your computer or app on your mobile device. Installing the software is optional, but can make it easier to use the virtual lab.

## Additional notes:

- Most of the software listed in the [Wharton Public Computers article](#) is also available in the Virtual Lab; exceptions are noted in the article's chart.
- Having trouble with the Virtual Lab? See [Troubleshooting the Virtual Lab](#)

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# Access via Web Browser

The easiest method of access to the Wharton virtual lab is simply to use a web browser. To access the Virtual Lab in this manner follow the instructions below.

**Tip:** Using the web browser can be an option when you do not have access to the Windows App, or if you're having problems connecting from the client application.

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## Installing the Client

The latest iteration of Wharton's virtual lab is now based on Azure Virtual Desktop (AVD) rather than VMware. As a result, the client to be used is now Microsoft's Windows App.

Microsoft provides information on how to obtain and install the Windows App:

## Windows

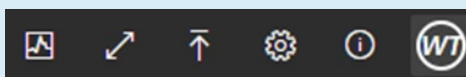
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## Mac

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### Additional note:

Once connected to the Virtual Lab you'll notice a menu at the top right of the session window:



These icons represent, from left to right:

- **Connection information:** Information on connection quality.
- **Full Screen:** Shift between full screen and modal window sizing.
- **In-Session Settings:** Activate/Deactivate settings for printer connection, file transfer, microphone, clipboard, etc.
- **Information:** Shortcuts, support, "about" information, etc.
- **Account profile:** View account information and sign out.

## iOS and Android

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## Virtual Lab vs. Physical Lab

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Since you're connecting remotely to access these computers, your network speed plays a large role in your experience. You will get the best results on a fast connection.

**Note:** Adobe Creative Cloud is not provided in the majority of our virtual environment due to Adobe's licensing restrictions, but can be accessed via the [Penn Libraries Remote Desktop Lab](#).

If you already have your own Adobe CC subscription, you should be able to sign in and use Adobe products. Adobe CC student licenses can be purchased through Adobe at <https://www.adobe.com/creativecloud/buy/students.html>.

## Other Penn vLabs

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Looking for specialized software? Need software for a course? Some Penn schools host their own virtual computer labs for their faculty, staff, and students. Access requirements vary.

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## Troubleshooting the Lab

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If you are having trouble using the Virtual Lab, see our [troubleshooting article](#).

## Questions?

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- Contact: [Wharton Computing Student Support](#)
- Email: [support@wharton.upenn.edu](mailto:support@wharton.upenn.edu)

## Provide Feedback

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Your feedback will help us make the service better! Provide your feedback [on the Wharton Student Computing website](#).

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