Virtual CAD Room

Overview

Virtual CAD Room is a shared set of Windows 10 computers (Windows Virtual Desktop) set up similarly to the Windows workstations in the physical CAD Room. Most software available on the CAD Room Windows workstations is also available on the Virtual CAD Room service. If software you normally run from the physical Windows workstations is not yet available, please contact CNF Computing.

Pricing

Virtual CAD Room is a subscription based service. Initial pricing is $30 / user / month - no sharing of user accounts per Cornell IT policy. CNF will adjust, with notice, pricing as needed. Pricing is fashioned on a cost recovery basis.

Subscriptions will auto renew each month unless cancelled.

Getting Started

To sign up, please fill out the Virtual CAD Room request web form. Make sure to include your CNF login, CNF project number, and CNF account number.

Cancelling

Again, just fill out the Virtual CAD Room request web form. Specify in the subject that you wish to cancel your account.

Saving Files

Unlike the physical CAD room, **files stored on the virtual Windows computer will be deleted the next time the virtual computer reboots**. Save your files to your W: (AFS) drive, to the lab transfer share (remember files on the lab transfer share will also be auto deleted after a set number of days), to a USB stick, to your local computer, to Cornell BOX, to DropBox, to remote.cnf.cornell.edu with WinSCP, or to another file share to which you have access.

Previous Windows Files

Files that were on your Windows desktop or Documents or Videos folders on the physical Windows workstations can be found in your W: drive. Directly under your W: drive you will see a folder called "win_folders" . Under that folder will be AppData, Desktop, Documents, Downloads, and more. You can also access your W: drive by connecting to remote.cnf.cornell.edu with WinSCP.

Accessing AFS

Directly

To access AFS directly, you must have AFS "tokens". Look in the system tray for one or more lock icons, probably with red Xs over the lock icons. Mouse over them... the popup for the correct lock icon is the one that says "AFS Client". If you don't see that one, you will instead start the AFS Client from the Start Menu - O - OpenAFS - Authentication. Login to AFS with the long, case sensitive version of your netid/guestid ... eg netid@CIT.CORNELL.EDU or guestid@CORNELL.EDU .

via WinSCP

You can also use WinSCP to login to remote.cnf.cornell.edu with your netid/guestid. And then you can copy files back and forth to AFS.

Accessing Lab Transfer Share

The Lab Transfer share is available as the V: drive. Or you can use WinSCP to login to remote.cnf.cornell.edu with your netid/guestid.

Connecting

Web Browser / Linux

Note: XMing and the JEOL connections will not work properly when using a web browser connection to the Virtual CAD Rm service.

There is not a native Windows Virtual Desktop supporting client for Linux. Use a web browser.

1. If you are already signed into microsoft.com/outlook.com/Office365 on the web, you will need to either sign out or open a new web browser or a new profile in your current web browser.
2. Go to https://rdweb.wvd.microsoft.com/arm/webclient
3. Login to microsoft with your netid_or_guestid@cornell.edu, all lowercase, typed in as if an email address (include the "@cornell.edu" in lowercase along with your netid or guestid)
   a. If prompted to type in your Email, phone, or Skype to signin to Microsoft, type in your netid_or_guestid@cornell.edu including in lowercase the "@cornell.edu" .
   b. If instead prompted to "Pick an account" dialogue either select your "netid_or_guestid@cornell.edu" from the list or choose "Use another account" if the correct choice is not already in the list.. And then enter in your netid_or_guestid@cornell.edu including the "@cornell.edu" in the "Sign in" dialogue.
   c. If prompted to choose, you are signing in with a Work or School account.
   d. You will be redirected to the Cornell signin page with your netid_or_guestid@cornell.edu already filled in as the username. Enter your password and click "Sign In".
4. Under "rs-cnf-wvd-wkspc1" you will see "Virtual CAD Rm Desktop". Click this icon.
5. Allow Clipboard and Printer to be redirected if you would like.
6. A box that says "Connecting and launching 'Default Desktop' will momentarily appear
7. At the "Enter your credentials' dialogue, enter in the short version of your netid or guestid (don't type in the '@cornell.edu') along with your password.

Windows

Note: The Remote Desktop Connection client built into Windows will not work. You must download the separate "new" Remote Desktop client.

Download the "new" Remote Desktop client.

1. Open the Remote Desktop client (orange icon).
2. Click "Subscribe" to add a remote resource by email address using your netid@cornell.edu or guestid@cornell.edu formatted as an email address OR
   Click "Subscribe with URL" to add a remote resource by the following URL: https://rdweb.wvd.microsoft.com/api/arm/feeddiscovery
3. When prompted to login, type in your netid@cornell.edu or guestid@cornell.edu formatted as an email address.
4. Under "rs-cnf-wvd-wkspc1" you will see "Virtual CAD Rm Desktop". Click this icon.
5. If prompted separately for your username and password, enter in your netid or guestid by itself along with your netid/guestid password.

Macintosh

The Remote Desktop client for Macintosh is available in the app store.

1. Install the Remote Desktop client from the Mac App Store.
2. Open the newly installed Microsoft Remote Desktop application.
3. Select "Workspaces"
4. Either enter in your netid@cornell.edu / guestid@cornell.edu login formatted as an email address or type in the following URL: https://rdweb.wvd.microsoft.com/api/arm/feeddiscovery
5. When prompted to login, type in your netid@cornell.edu or guestid@cornell.edu formatted as an email address.
6. Double click the resource to open a connection to the Virtual CAD Rm service.
7. if prompted separately for your username and password, enter in your netid or guestid by itself along with your netid/guestid password.

iOS/Android

Apps for both iOS and Android are available in the various app stores. After installing use the above instructions to connect and login.

Auto Disconnect and Logoff

- Connected and Idle sessions will be disconnected after 6 hours.
- Disconnected sessions will be deleted after 2 days.