Library VPN

The Library VPN (virtual private network) is a CIT provided departmental VPN (About Departmental VPNs) that works with the standard campus VPN, but also opens up access to the CUL Desktop Services managed staff subnets.

Staff can access to the Library VPN if they need to:

- Remote into their work system from off campus or from non-Library campus subnets
- print wirelessly to Library managed staff printers

If staff need to access non-library resources from off campus, the standard campus VPN should be sufficient. This includes files stored in the central SFS service (files.cornell.edu). The standard campus VPN is also sufficient for connecting to Voyager clients (Cataloging, Acquisitions, Circulation, etc.).

All Library staff should have access to the Library’s Departmental VPN. Please contact cul-dshelp-l@cornell.edu if you are having trouble connecting to the service.

Two-Step Login and the VPN

As of November 15, 2016, Two-Step Login is required to access the Library VPN pool (@library.dsremote).

Cornell’s IT Security office has identified NetID compromises as one of the top IT security threats to the University. The most effective tool for minimizing the effect of a compromise is to use a technique called Multi-Factor Authentication (MFA) layered on top of the NetID and password. Cornell’s system for MFA is called Two-Step Login, and is based on a product from Duo Security (sometimes referred to as Duo). This system uses a smart phone app, a telephone, or a code generated by a hardware token to confirm login attempts.

Cornell’s VPN system provides access to on-campus resources from anywhere in the world by giving a remote computer an address on Cornell’s network. While this is a powerful tool for Cornell staff getting work done, it also allows a bad actor with a compromised password to gain access to Cornell’s network.

How This Affects You -

1. Set up a Two-Step account - [https://www.it.cornell.edu/services/twostep/howto/initialize.cfm](https://www.it.cornell.edu/services/twostep/howto/initialize.cfm)
2. Register your Two-Step device(s) - [https://www.it.cornell.edu/services/twostep/howto/manage.cfm](https://www.it.cornell.edu/services/twostep/howto/manage.cfm) - Devices include:
   a. Smartphone app (preferred)
   b. Cellphones or landline phone
   c. Duo Hardware Token - contact Desktop Services for information on this option
3. Using the VPN’s Two-Step Group option, test the connection following these instructions
   - [Windows](https://www.it.cornell.edu/services/twostep/)
   - [Macintosh](https://www.it.cornell.edu/services/twostep/)
   - [Mobile Devices](https://www.it.cornell.edu/services/twostep/)
   - [Linux](https://www.it.cornell.edu/services/twostep/)

If you have trouble with setting up Two-Step Login, please contact Desktop Services at CUL-DSHELP-L@cornell.edu. For more information about Two-Step Login, please see: [https://www.it.cornell.edu/services/twostep/](https://www.it.cornell.edu/services/twostep/)