

# Fermilab VPN Service

VPN (Virtual Private Network) is an encrypted tunnel over a public network (Internet) to connect remote users to an enterprise network (FNAL). A VPN tunnel allows a user to have the functionality of a direct dialup connection and provides the convenience & higher bandwidth from using a local ISP for connectivity.

## Why Do I need a VPN account?

It provides an encrypted tunnel into Fermilab. Traffic between your computer and FNAL is more secure. The FNAL VPN provides your home system with a local Fermilab IP address (131.225.x.x). This allows you to access services or systems restricted to Fermilab only servers. It bypasses border blocks for NetBIOS, web servers, rpc, and remote printing.

## How do I register for a VPN account?

Visit [https://www-dcn.fnal.gov/vpn/vpn\\_reg.cgi](https://www-dcn.fnal.gov/vpn/vpn_reg.cgi) and provide your Fermilab ID & select Group Affiliation.

Required Information:

**FNAL ID**

**Employee Status**

**Affiliation**

VPN Account Registration Form - Microsoft Internet Explorer

Address: [https://www-dcn.fnal.gov/vpn/vpn\\_reg.cgi](https://www-dcn.fnal.gov/vpn/vpn_reg.cgi)

Links: BBC, CNN, DCG, FNAL Requisition Query, Island, Last list of the blocked sites, MISCOMP, Tribune, VMS, Webster, WLSE

Options: You're on **fnal.gov**

### VPN Account Registration Form

FNAL ID:  ○ V C N C C  
V-visitor, N-employee, C-contractor

Select Organization or Experiment with which you do the bulk of your computing at the laboratory

**Group Affiliation:**

- Beams Division
- Business Services Section
- Computing Division
- CDF Experiment
- CMS Experiment

VPN users must enter a *Fermilab ID* and have *e-mail* account registered with Fermilab. If you dont have a *Fermilab ID* and need to use the *VPN*, please contact the [HELPDESK](#) for how to obtain one.

**The VPN process works as follows:**

1. Fill out this form.
2. You will receive email with information on how to obtain the *VPN* client software.
3. Download and install the software on your home machine.
4. Contact the [HELPDESK](#) (630)840-2345 - during normal business hours - to activate your account. There is a **two hour** delay between when you register and when your account can be activated.

More info could be found on the [documentation page](#).

**Important Notice**

*You may not export the Software to any country for which the United States requires any export license or other governmental approval at the time of export. Furthermore, you may not export the Software in violation of any export control laws of the United States or any other country.*

You will receive e-mail with info on downloading VPN client and profile. Please note that FNAL Only supports the Cisco VPN client and that lab specific security policies pushed to client from VPN server.

Once you've installed the client you'll need to call the Helpdesk to activate your VPN account. You should wait 2 hours before contacting Helpdesk. The Helpdesk can be reached at (630)840-2345; M-F, 8:30am - 5:00pm.

### **What OSes are VPN supported?**

Tested & supported:

- Microsoft Windows 9.x, SE, ME, XP, NT 4.0, 2000, and XP.
- Linux (Intel) 2.2.12 and 2.2.14
- Mac OS 10.0 (Mac OS X), 10.1, 10.2 (Jaguar)
- Solaris 2.6 (UltraSparc 32 & 64-bit)

### **VPN Profile**

The VPN profile you download contains a pre-shared key used for stage1 authentication. Stage 2 authentication is your personal username & password. The profile also includes VPN policies pushed to client system; split tunneling, session limit, no browser-saved password

You are required to update your VPN profile annually. When you are required to download a new profile you will receive instructions from Datacomm via email.