

# Getting started on MINERvA

Updated 3/30/2009 by HMS

## Getting an ID number

(Some of these steps can in principle be done remotely by downloading the forms, faxing to Jorge or Kevin and having them send them on to the User's Office. But to get a physical ID you need to be here and to take the safety test.)

Fill out the UserID application

<http://www.fnal.gov/faw/vidform/vidform.pdf>

- Get a spokesperson (Jorge Morfín or Kevin McFarland) to sign the form. Jorge's fax number is 630 840 3614. If you fax the completed form to him he can sign and then send down to the user's office. If you are here, just find a spokesperson and have them sign the form and then bring it downstairs yourself.

## To get a physical ID

Get an ID number as above

Watch the safety video remotely before you come to Fermilab or in the library when you arrive.

[http://www-esh.fnal.gov/CourseHandout\\_Mat/NEO%20-%20Breeze/NEO\\_play.htm](http://www-esh.fnal.gov/CourseHandout_Mat/NEO%20-%20Breeze/NEO_play.htm)

you will need an ID number before you can take the test, which is required for the physical ID

Go to the Fermilab User's office in Wilson Hall, 1st floor on the west side behind the elevators.

You need to have passport (visa?) if non-US, picture ID if US. Also need to know your health insurance if you will be working onsite.

Then you go downstairs to the ID office to get your ID.

## Getting Help

If you have a problem with computing – send a message to [:minerva-software@fnal.gov](mailto:minerva-software@fnal.gov)

Or look at the Minerva Wiki

[http://substitute.pas.rochester.edu/mediawiki/index.php?title=Minerva\\_Wiki](http://substitute.pas.rochester.edu/mediawiki/index.php?title=Minerva_Wiki)

## Getting a computer account:

You need to have a Kerberos principal to access the CVS repository, so even offsite users need to go through these steps.

### ***Fermilab General Computing***

Get your user ID number as above

While you wait for the spokespeople to sign, Read the [Fermilab Computing Policy](#) and sign it.

Fill out the account request form at the link below. You want all of the items listed but especially a kerberos principal and **an fnalu account**. The email is optional but a good idea. The cryptocard is not essential but very useful.

[http://computing.fnal.gov/xms/Services/Getting\\_Services/Accounts\\_and\\_Passwords](http://computing.fnal.gov/xms/Services/Getting_Services/Accounts_and_Passwords)

An email will be sent to your supervisor asking that they confirm by replying. Make certain your supervisor gets this email and does in fact reply to it. An email will also be sent to a responsible authority in MINERvA. This can take up to a day.

Then log onto fnalu to make certain you can and check out your new email accounts.

Minerva compatible nodes are flxi05 and flxi07

You should receive several emails for different systems.

EMAIL

- For Imap - click on the link to [imapserverN.fnal.gov](http://imapserverN.fnal.gov) in your email (N differs) and log in using the provided password. Then go to Options > Password and change your password.

- For smtp go to <http://computing.fnal.gov/email/smtp-server/usr-options.html> and change your password.
- You can now add an account to your favorite IMAP client which allows you to see/send email from your Fermilab account.

## KERBEROS

- for your kerberos principal the best thing to do is to go the basement of the hirise and get your password from Yolanda Valadez of Helpdesk Services. You then need to change it at the special terminal in the user area. Needs to have at least 10 characters of 2 different types.
- for the cryptocard read the directions at [http://www.fnal.gov/docs/strongauth/presentation/crypto\\_easy.html](http://www.fnal.gov/docs/strongauth/presentation/crypto_easy.html)

You should now test things.

- send an email to yourself at your fermilab account and make certain you get it.
- See if you can log in to a fermilab machine like flxi05.
- log into secure terminal someplace (ssh from a window on your machine - telnet is BAD)
- Turn on your cryptocard and enter your PIN when requested, you should then see FERMILAB
- Type

**ssh -l <your fermilab account name> flxi05.fnal.gov**

You will see:

Press ENTER and compare this challenge to the one on your display: [05340182]

- The first time you do this you need to hit CH/MAC or DIG to enter this challenge into your cryptocard. After that your card is synched and you will normally just have to hit enter to get the 8 digit response. If you delay by more than 2 minutes you have to try again.
- Type in the 8 character string on your card.
- You should be on the machine now.
- See if you can see the minerva afs directory  
/afs/fnal.gov/files/code/minerva

## ***MINERvA-Specific Computing***

These are software tools that are set up specifically for the MINERvA collaboration at Fermilab.

### **CRL**

CRL (Control Room Logbook) is an electronic logbook developed and maintained by the Fermilab Computing Division. The web-accessible version of the logbook (CRLW) is at the URL <http://www-minerva-crl.fnal.gov/minerva/Index.jsp>. This page is protected with the usual collaboration username and password. At the top of the page are buttons allowing you to log in, search the logbook, make a new entry, subscribe to categories of entries and get help on using CRL. Below this row of buttons are two columns of hyperlinks in red. Each of the links corresponds to a different category of logbook entries. Selecting a link brings up the last 15 entries made in that category. Below these links is a list of customized logbook searches.

You can read the logbook entries in any of the categories or search the logbook simply by going to the CRLW web page. However, you must have your own account and log in to the CRL in order to make a new entry. To get an account on CRL, contact the MINERvA CRL administrator. At present, this is [Dave Boehnlein](#). Your CRL username is ordinarily the same as your Fermilab e-mail address up to the @, e.g. the CRL username for *enrico@fnal.gov* is *enrico*. Your initial password is assigned by the CRL administrator. You should change your password when you log in for the first time. Use the "Change Password" button in the row of buttons at the upper right.

You can subscribe to categories of logbook entries by using the "Subscriptions" button at the upper right. Use the "Help" button to get further information on using CRL. If you have suggestions for new categories, keywords, custom searches or forms to add to MINERvA CRL, you can send them to [dave\\_b@fnal.gov](mailto:dave_b@fnal.gov).

### **DocDB**

DocDB is a document database. It's useful for maintaining collaboration and project documents and as a means of posting presentations for meetings. A more detailed description is available on the Computing Division web page at <http://docdb.fnal.gov/doc/>. Meetings are typically defined as *events* in DocDB. DocDB allows for

access to files at different security levels. MINERvA presently uses three:

- public.....Anybody can view these files.
- minerva.....These files require the minerva password; ask your supervisor for it.
- Reviewer .....These files are for non-collaborators who may review the project. They are also viewable by minerva.

The MINERvA DocDB page is at <https://minerva-docdb.fnal.gov/>. You can log on as "minerva" using the password or, by obtaining a certificate, you can log on with that and eliminate the need to enter the username and password. Instructions for obtaining a certificate can be found at <http://cd-docdb.fnal.gov/preauth.html>.

When you start using MINERvA DocDB, there are a couple of chores you should do right off. First, follow the "Your Account" link to create a DocDB account for yourself. You can use this account to set e-mail notifications. DocDB will e-mail when documents you are interested in are added or change. This does not change the way that you access DocDB – you still log in as "minerva". Neither does it add you to the author list. If you are not already on the author list, follow the "Authors" link and then "Add an author". If you don't know whether or not you're already on the list, follow the "Authors" link and look for your name.

When you post a document in DocDB, the default security level is "minerva". In general, only conference reports, presentations, and publicly-available documents should be posted as "public" in the MINERvA DocDB. The document should also be of public interest. Otherwise, post it as "minerva" viewable unless it happens to be a presentation or supporting document for a project review, in which case you should post it as "Reviewer" viewable.

If you have questions about DocDB, suggestions for new topic categories, keywords, or event types, contact [minerva-adm@fnal.gov](mailto:minerva-adm@fnal.gov) or contact the MINERvA Documentation Coordinator. At present, this is [Dave Boehnlein](#).

## **E-mail Lists**

There are several mailing lists for MINERvA and working groups within the collaboration. These are maintained by LISTSERV at Fermilab (<https://listserv.fnal.gov/users.asp>). This website has instructions on how to subscribe and unsubscribe to e-mail lists.

To subscribe to the minerva e-mail list, send an e-mail to [listserv@fnal.gov](mailto:listserv@fnal.gov) with no subject line and the message content SUBSCRIBE MINERVA YOURFIRSTNAME YOURLASTNAME.

Currently active lists include:

minerva (the entire collaboration),  
minerva-software (the offline software group)  
minerva-cvs (concurrent versions system for software).  
minerva\_daq\_users (daq forum)

### **CVS access**

To access the Minerva CVS repository you need to have a valid Kerberos principle and be added to the access list. Send a message to [Minerva-software@fnal.gov](mailto:Minerva-software@fnal.gov) requesting access and one of the experts will add you.

Minerva CVS is accessible via

```
export CVSROOT=minervacvs@cdcvs:/cvs/minerva
```

```
export CVSROOT=minervacvs@cdcvs:/cvs/minervasw
```

You may need to also do the following :

```
export CVS_RSH=/usr/krb5/bin/rsh
```

### **Documentation**

The Minerva wiki has a lot of software documentation. You can find it at:

<http://substitute.pas.rochester.edu/>

### **Getting a picture ID**

To get a real FNAL ID which allows you into areas like labs you need to go through a 3 hour orientation training course. These are normally held at 1pm on Monday and 8am on Thursday at the training center.

The User's office should have given you a slip of paper for the training supervisor to sign.

Wear nice clothes and comb your hair - the guy at the gate will appreciate it.

Bring this slip to the ID office in the middle of the basement of Wilson Hall and get your ID.