

BAG Training: introduction

James Parkhurst

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Logging into Diamond Computers

You will all have been issued a FED ID – an alpha-numeric string consisting of 8 characters. This is the username which you use to log into the Diamond computers. **Anyone unable to use their FED ID to login, let us know as soon as possible!**

Where to work

Do not work in your home directory: /home/\${MY_FEDID} !!!

Disk space quotas on the home area are too small for large data files. You can work only in the processing directory of your visit. Each attendee will create and work in his/her directory by opening a terminal and doing the following. **(N.B. replace \${MY_FEDID} by your own FED ID).**

```
$ cd /dls/i03/data/2016/mx14586-2/processing/ # Go to the visit directory
$ mkdir ${MY_FEDID} # Make a directory for yourself
$ cd ${MY_FEDID} # Go to your new directory
```

Where to work

It can be convenient to add a symbolic link in your home directory to make it easier to navigate to. This can be done as follows:

```
$ cd ~
```

```
$ ln -s /dls/i03/data/2016/mx14586-2/processing/${MY_FEDID} bag_training
```

How to load software

- At Diamond, software is loaded using the “module” system. In order to use DIALS or CCP4 I2, you need to load the module on your computer. A list of useful module commands is given below.

Task	Command
To check which modules are available	\$ module avail
To list which modules you have loaded	\$ module list
To unload a module	\$ module unload \${MODULE_NAME}
To load the CCP4 7.0 module	\$ module load ccp4/7.0.4
To load the DIALS latest module	\$ module load dials/latest