



UNIX CAD Tools

Students quick start guide

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Introduction:

This short document is intended as a quick start guide to the UNIX and CAD environment in Electrical and Electronic Engineering [EE]. Through out the document the term UNIX is used to denote any operating system that belongs to a broad family of operating systems which include for example

- Solaris
- BSD
- HP-UX
- AIX
- Linux
 - *Redhat*
 - *Centus*
 - *Ubuntu*
 - *Debian*
- OS X [Mac]

The environment has been designed to allow users to login to any UNIX Workstation/PC on the UCC EE LAN. There is also a facility to login from a Windows PC.

Getting Started with UNIX:

Local Login:

This refers to logging to the Workstation/PC that you are sitting in front of.

Remote Login:

This allows you to login to any UNIX Workstation/PC on the network from any other Workstation/PC. You may wish to login to a Solaris Workstation or a different variant of Linux. To do this click on the Actions Icon at the bottom of the login screen and choose 'Run XDMCP Chooser'. You will be presented with a list of all the computers that are enabled for remote desktop login.

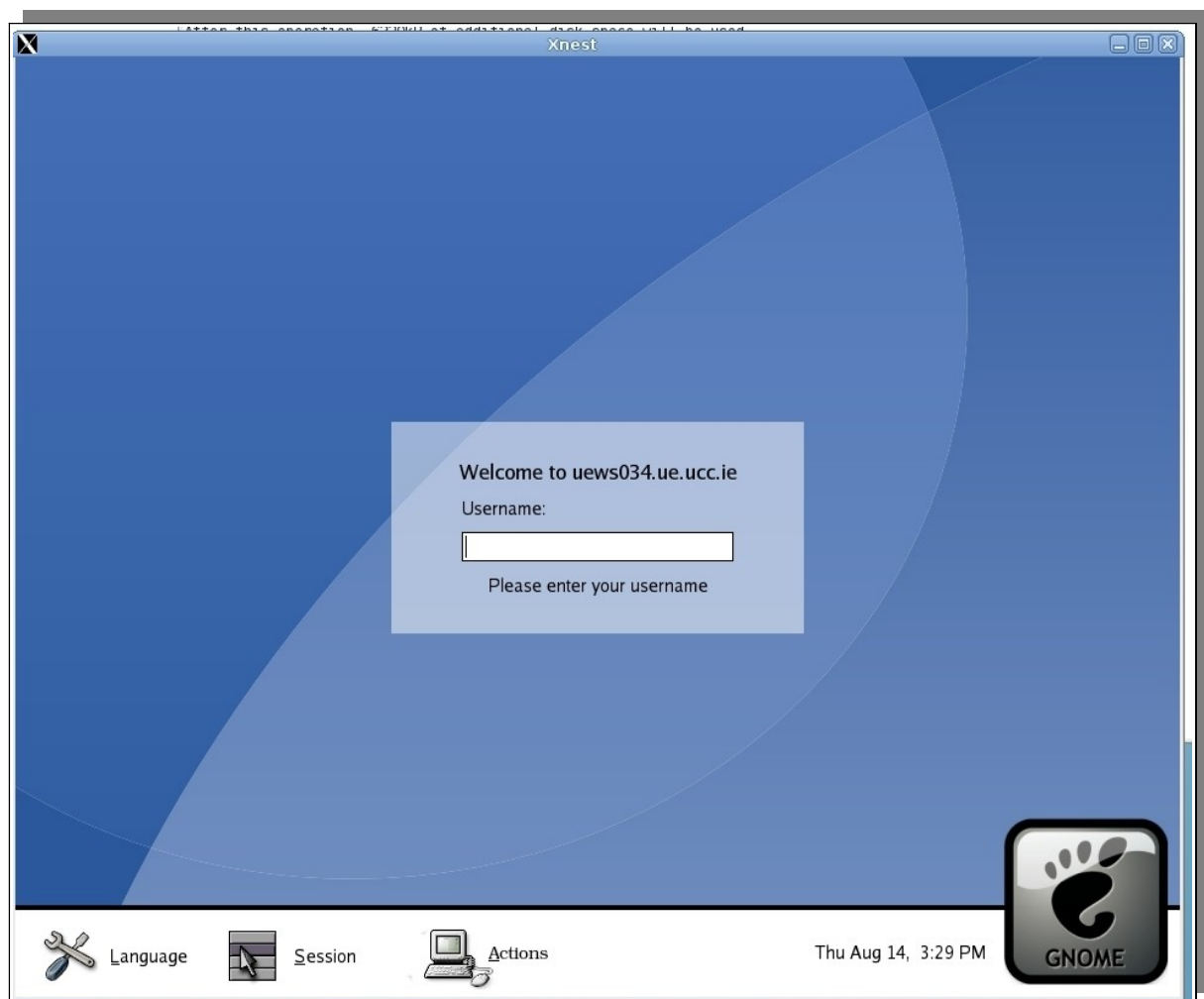


Fig 1

How to change your password:

1. Using a web browser [FireFox, IE, Opera] go to <http://cadsrv.ue.ucc.ie>
2. You may see a warning saying that the site has a trust problem or asking you to installed a security cert. Please ignore the warning and install the cert.
3. From the tool bar click GroupWare

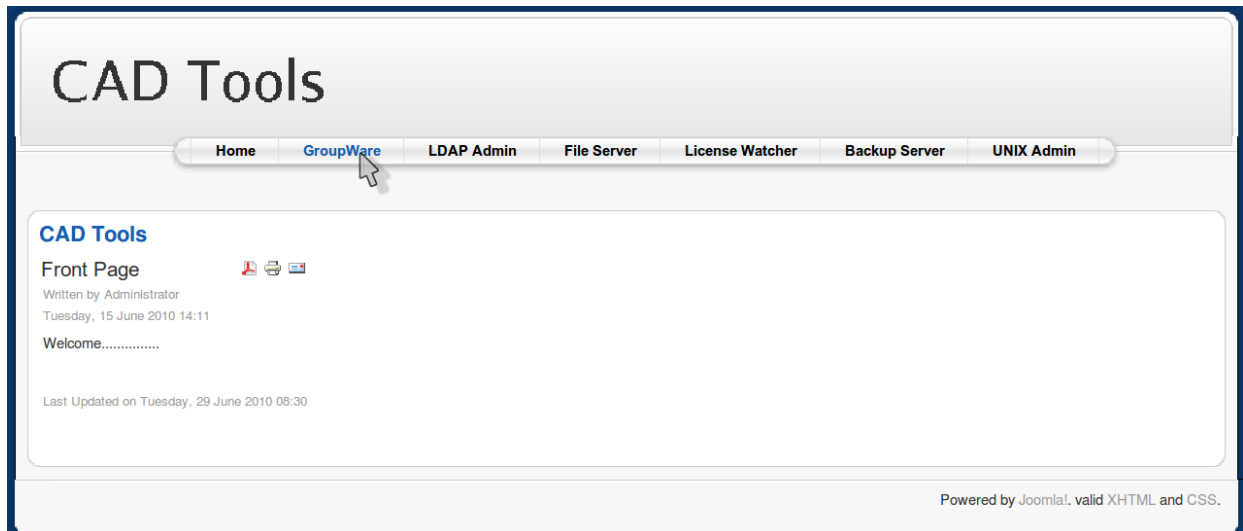


Fig 2

From the top blue toolbar select **Preferences** → **Change Your Password**

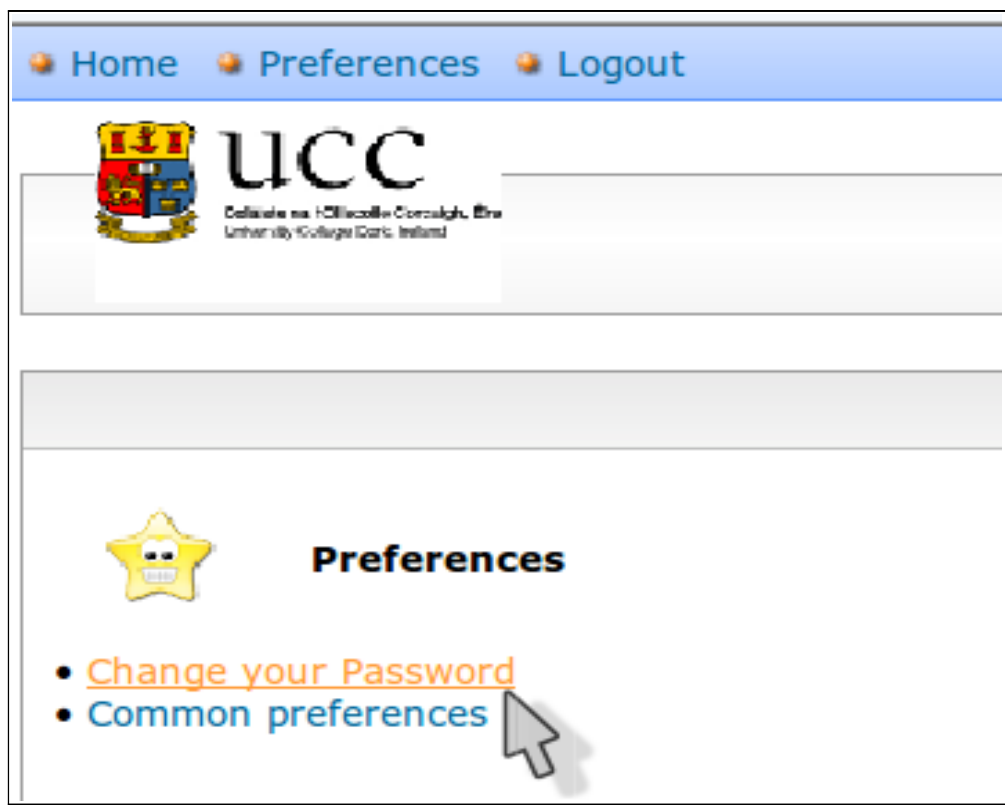


Fig 3

Command Line Terminal:

Most of the CAD tools that you will be using are started from a command line. The normal way to achieving this is to use a command line terminal. To start a terminal do :-

Applications → System Tools → Terminal

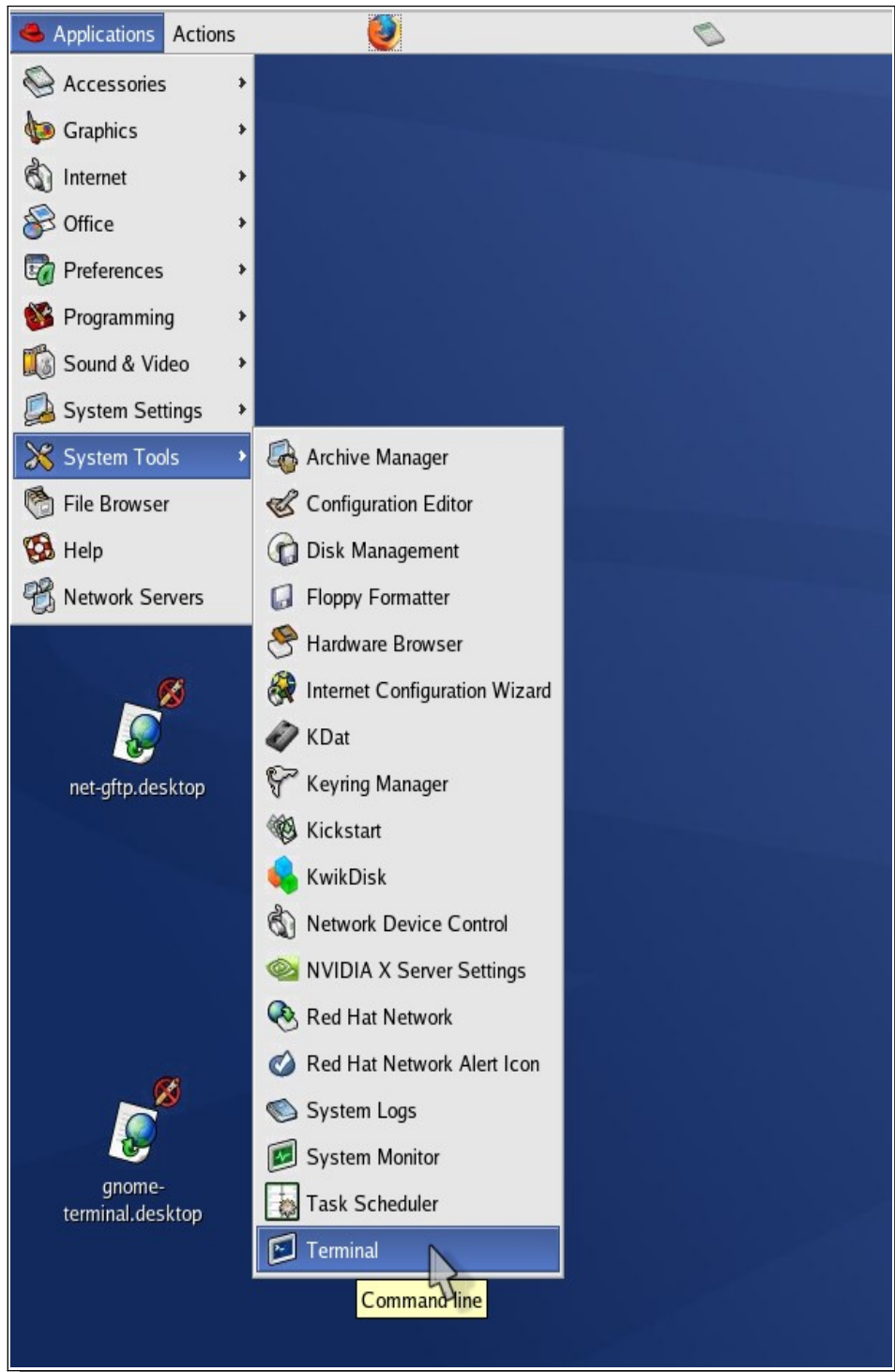


Fig 4

Cadtools:

Before you can use any cad tools you must first set up your environment. To do that open a command line terminal and type the command ***cadsetup*** This will present you with a menu of available tools.

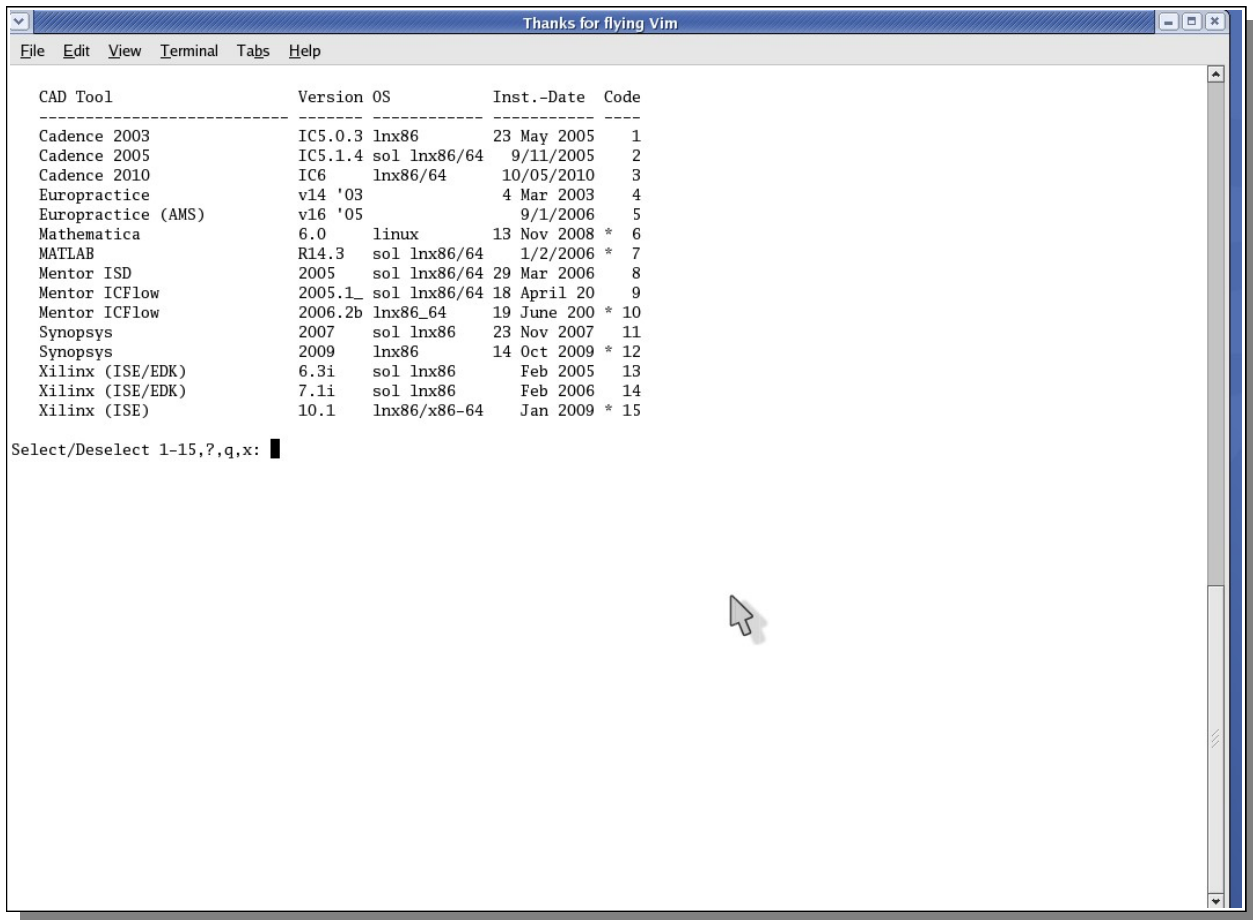


Fig 5


Select a tool by typing the Code number and then x. You will then have to logout and then back in again for your new setting to take effect. Please note that Fig 5 is a snap shot of the cadsetup script at the time of writing and will change as tools are added and removed.

Microsoft Windows:

Windows users may login to a UNIX desktop using software such as NX Client for Windows. This software is free and available from

<http://www.nomachine.com>

Example of warning from Mozilla Firefox



This Connection is Untrusted

You have asked Firefox to connect securely to **cadsrv.ue.ucc.ie:10000**, but we can't confirm that your connection is secure.

Normally, when you try to connect securely, sites will present trusted identification to prove that you are going to the right place. However, this site's identity can't be verified.

What Should I Do?

If you usually connect to this site without problems, this error could mean that someone is trying to impersonate the site, and you shouldn't continue.

Get me out of here!

Technical Details

I Understand the Risks