

HOW TO CONNECT TO CENTRAL SERVER SYSTEMS

METU students use "Beluga, Orca, Rorqual, Narwhal" central servers to connect. You can go to one of the PC-Rooms located in the METU campus. Then, by the help of a PC-Room operator, you can run Telnet or SSH on one of the PCs within the PC-Room and connect to one of the central servers (For password security, it is strongly recommended to use SSH).

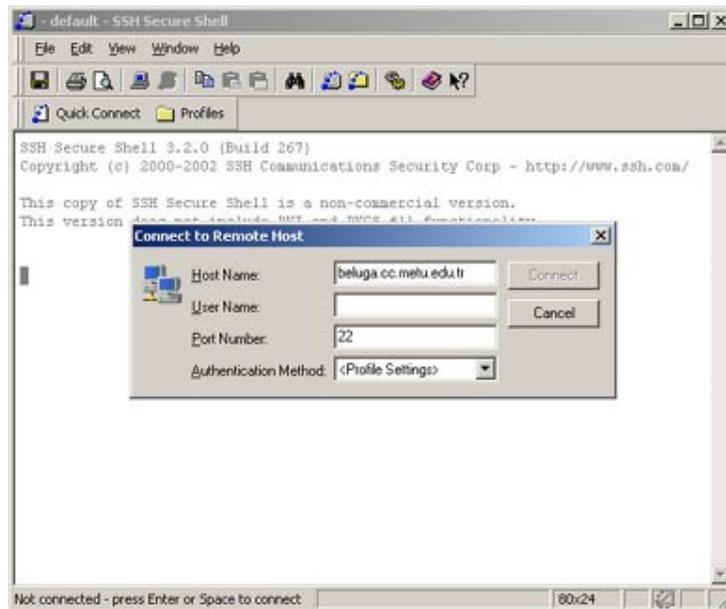
Connection with SSH:

SSH - Secure Shell is a secure alternative program to Telnet and FTP programs, which are used for remote accessing to systems. SSH is secure; because the program encrypts all the data communication and this encryption process covers the user passwords as well. If, in case the network traffic is being sniffed, it will not be possible for the third parties to extract valuable data or information that is transmitted by SSH program within that traffic.

Users can download and install SSH Secure Shell - Secure Shell Client software from the following address: <ftp://ftp.metu.edu.tr/pub/mirrors/ftp.ssh.com>

You can start the program by clicking on the "Secure Shell Client" option on the Start menu or by double clicking the "SSH Secure Shell Client" icon on the desktop.

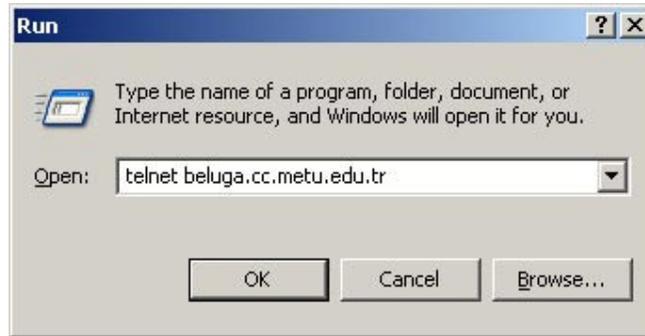
Then you should click "Quick Connect" button. On the window displayed, you should enter the name of the server to the "HostName" field, and you should enter the user name in the "User Name" field. Then, proceed by clicking "Connect" button



Enter your user password in the box that is displayed. Click "OK" to connect the program to the server.

Connection with Telnet:

When Windows users are connecting the central server systems by Telnet, they have to write "telnet" command with the name of the server on the "Run" window on the Start menu.



Then Telnet window is displayed, on the screen you will see the lines as below:

```
AIX Version 4
(C) Copyrights by IBM and by others 1982, 1996.
login:
```

By entering login name and password, you can connect to the system.

```
AIX Version 4
(C) Copyrights by IBM and by others 1982, 1996.
login: e100001
e100001's Password:
```

While typing the password, you do not see characters on the screen. If you enter your password correctly, a screen like below will appear:

```
*****
*      Welcome to AIX Version 4.3!      *
*****
*      Please see the README file      *
*      in/usp/lpp/bos for information   *
*      pertinent to this release       *
*      of the AIX Operating System     *
*****
beluga: e100001:~>
```

When this screen appears, it means that you are connected to one of the central servers (It is Beluga in this case). The ">" character is the system prompt indicating that the system is ready for your command.

Off-campus connections to user accounts:

- *Connecting to the FTP server:* With software which does not provide a secure connection (WS-FTP, cute FTP, internet browsers etc.) you can connect using your user code and password.
- *Connecting on to the central servers as a client:* You can firstly connect to blue.cc.metu.edu.tr addressed server, preferably using client software which provide secure connection (SSH, FSecure Shell etc.) then via this server typing the command

```
ssh severname.cc.metu.edu.tr
```

You can connect to any of our central servers

HOW CAN I TRANSFER FILES USING MY USER ACCOUNT ON THE CENTRAL SERVERS TO MY COMPUTER?

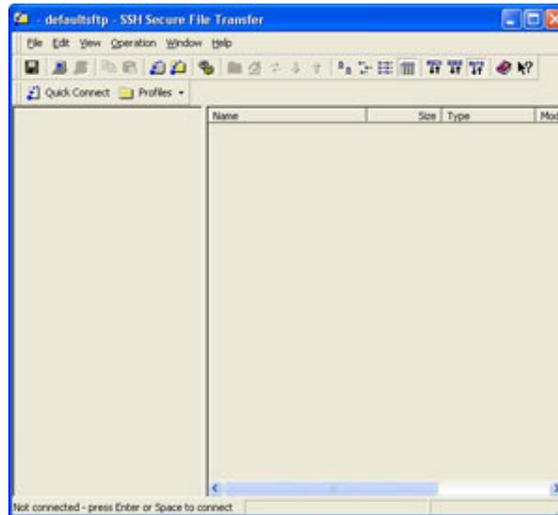
Document, picture etc. files can be kept on the Central Server Systems as long as the quota is not exceeded. To transfer these files, software like "File Transfer Client", which is downloaded, with the SSH-Secure Shell package, or a file transfer program like WS_FTP, or a command line, could be used.

SSH SFTP:

SSH SFTP software is one of the most commonly used and the most secure (File Transfer Program) FTP programs available. You can access the program from;

<ftp://ftp.metu.edu.tr/pub/mirrors/ftp.ssh.com>

address. After the installation to facilitate the program it is necessary to click the 'SSH Secure File Transfer Client' icon.



With the **Quick Connect** button you can open up the window to fill out the necessary information to make a new connection. On this window **Host Name**, is the name of the FTP server site you want to connect to. **User Name** is your user account name registered on the FTP server. The **Password** on the window that appears after you press the **Connect** button is the password for your user account.



Once the connection is made you can see all the files and folders in your account.

You can use **copy** and **paste** commands to transfer any file or folder in your computer to your account, or to transfer any file or folder in your account to your computer.

Another means for computer to the remote account transfers is to right click on a file in the left pane of the window and select, from the menu that opens, the **upload** option. For remote account server to the computer transfers right click on a file in the right pane of the window and select, from the menu that opens, the **download** option.

Performing FTP from the command line:

To connect to the FTP site by means of the command line, the commands to use and their functions, in general, is as follows:

- **ftp:** The ftp command uses the File Transfer Protocol (FTP) to transfer files between the local host and a remote host or between two remote hosts. Read online documentation for ftp using *man ftp* command.
- **binary:** This is the command that instructs the file to be transferred to be transported as a binary file.
- **get:** This is the command for getting a file from the FTP site.

```
get <file_name>
```

- **put:** This is the command for sending a file to the FTP site.

```
put <file_name>
```

- **mget:** This command is for getting more than one file from the FTP site.
- **mput:** This is the command for sending more than one file to the FTP site.
- **lcd:** This command is for moving among the folders on the hard disk.
- **cd:** This command is for moving among the folders on the FTP site.

➤ You can find this document at <http://www.cc.metu.edu.tr> at FAQ page