## **Connecting to Fox Servers**

- CS department has set up Linux server for instructional use. These servers are called "Fox" servers, which is how we will be referring to them as.
- There are 4 servers set up for student use. In order to connect to them using SSH, you will need to use the IP addresses (not hostnames). Following are the IP addresses:
  - Fox01 10.100.240.201
  - Fox02 10.100.240.202
  - Fox03 10.100.240.203
  - Fox04 10.100.240.204
- You can connect to any of the servers. They all share the same file hierarchy. Meaning, your files will be available and be synced on all servers.
- Username your *abc123*
- Password
  - If you already had an account, your password will be the same as last semester.
  - If not, the default password will be your BANNER ID (without the @). Please change your password right away using the "passwd" command.

Once you are on the UTSA network (more information in a separate document), you will need to connect to the Fox servers using a Secure Shell (SSH) connection. Following are some of the ways of doing this:

## • Windows - OpenSSH

- OpenSSH is the open-source version of the Secure Shell (SSH) tools used by administrators of Linux and other non-Windows for cross-platform management of remote systems.
- OpenSSH has been added to Windows as of autumn 2018, and is included in Windows 10 and Windows Server 2019.
- Please go through this link for more information <u>https://docs.microsoft.com/en-us/windows-server/administration/openssh/openssh\_overview</u>.
- Run Command Prompt
- Type "ssh {abc123}@{ip-address}".
  - Replace "{abc123}" with your abc123 without curly braces.
  - Replace "{ip-address}" with the IP address of the Fox server you are trying to connect to.
- Upon pressing enter, it may ask you to accept security certificates, please type "yes".
- Next, it will prompt for password, type it there. Upon success, you will be in the Fox server.
- To close the connection, type "exit" and press enter.
- Mac / Linux
  - Run Terminal
  - Type "ssh {abc123}@{ip-address}".
    - $\circ$  Replace "{abc123}" with your abc123 without curly braces.

- Replace "{ip-address}" with the IP address of the Fox server you are trying to connect to.
- Upon pressing enter, it may ask you to accept security certificates, please type "yes".
- Next, it will prompt for password, type it there. Upon success, you will be in the Fox server.
- $\circ$   $\,$  To close the connection, type "exit" and press enter.

## • Windows - MobaXterm

- If you prefer to use a Graphical User Interface (GUI), MobaXterm is a tool that can be used to establish a Secure Shell (SSH) connection.
- You can download MobaXterm from here <u>https://mobaxterm.mobatek.net/</u>.
  - If you will be using the UTSA VDI, MobaXterm will already be loaded on the desktop.
- Double click the icon. If asked for admin access and if you do not have it, press 'Cancel'. It will still allow you to use the application.
- Following is how the application will look like.



- Click "Session" from the top left corner. In the tab that is opened, select "SSH".
- In the "Remote Host" text box, enter the IP address of the Fox server you would like to connect to.
- Select the check box to the left of "Specify Username" and in the text box anter your *abc123*.

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**NOTE:** When you are typing a password, it will not appear on the screen and the cursor will not move. But rest assured the password is being typed.