No Password SSH Keys Authentication Setup

REMOTE COMPUTER SETUP

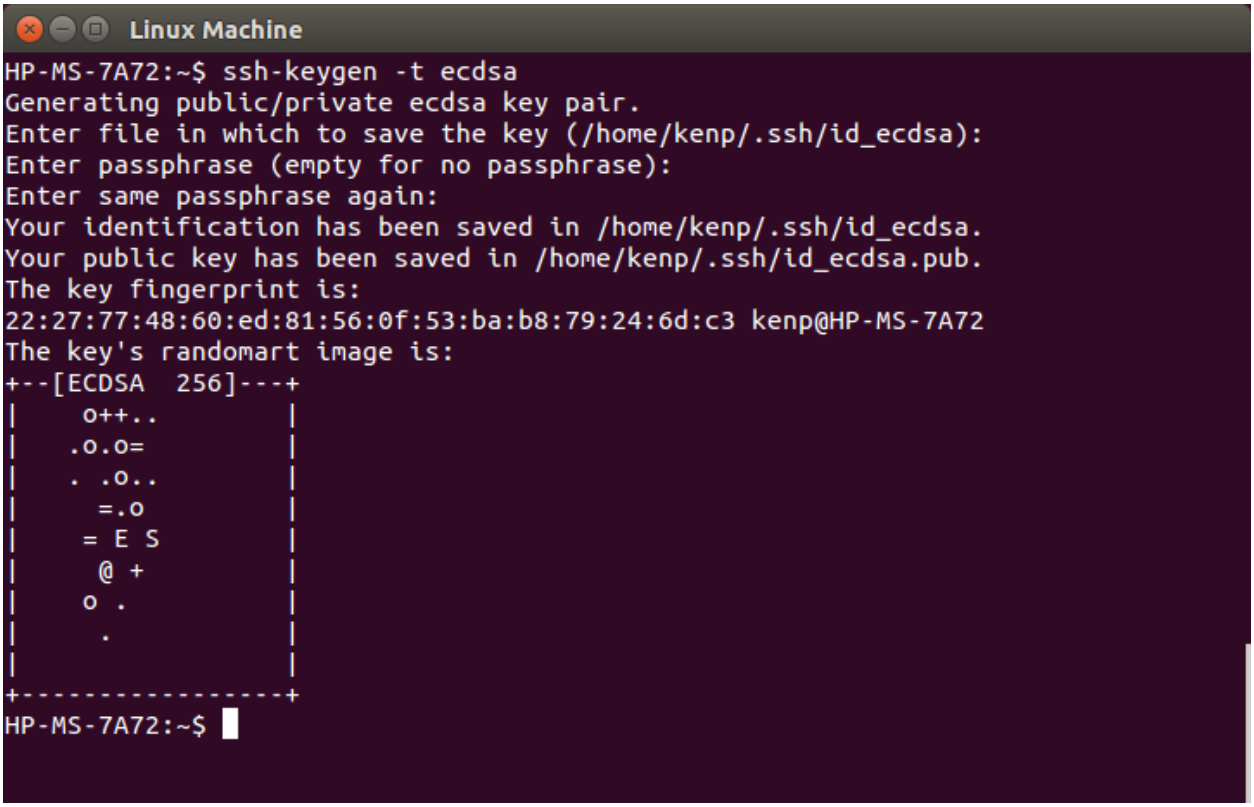
From a Linux machine get into a terminal prompt

You Linux login should be the same name as the user that you want as your WTI device login.

After you have logged in, we need to create some private and public keys (if they don't already exist)

Enter the command: ssh-keygen –t ecdsa

All the default responses are accepted for answering the prompts for this command.

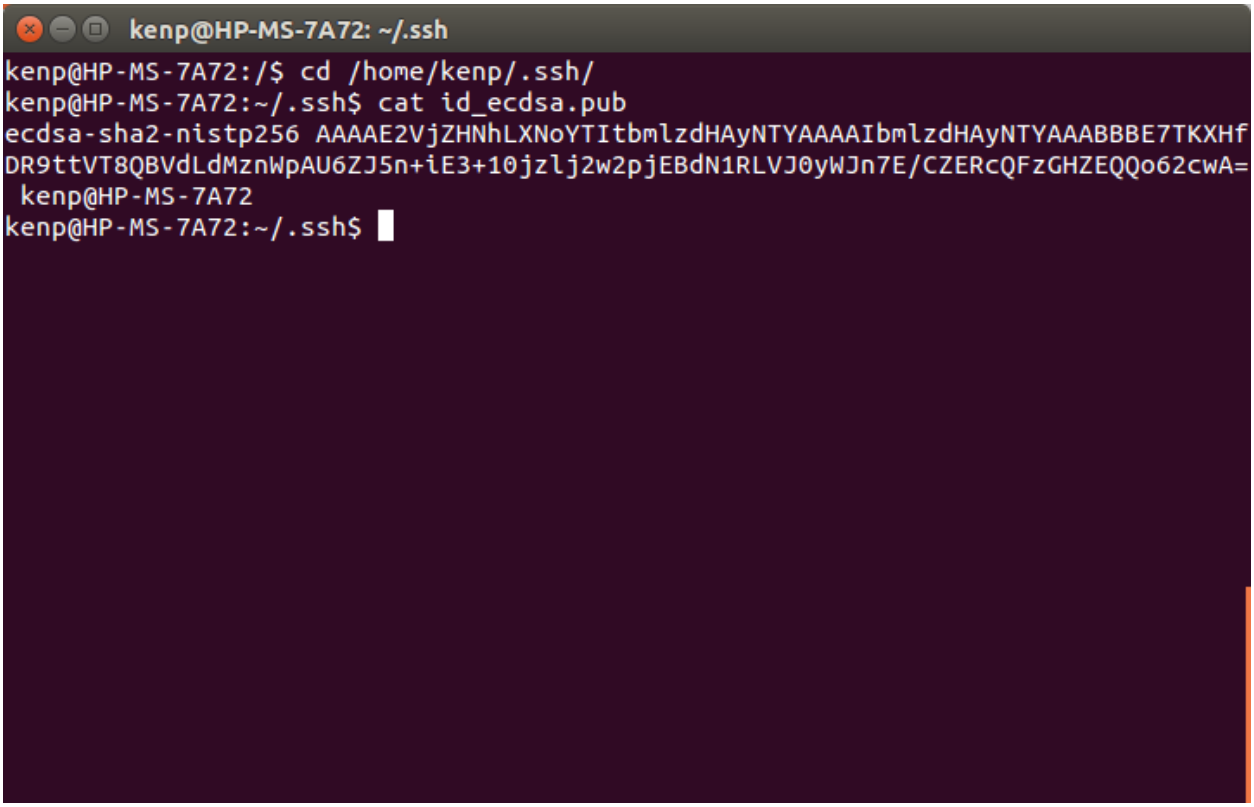


Note: that you can use any type of key type in the step above we are using ecdsa as an example. For older WTI devices you may have to choose rsa or dsa

If we go to the directory /home/<username>/.ssh

We should be able to see both the private and public keys. We care about the public key (id_ecdsa.pub)

The private key should never leave the computer you generated the keys from.

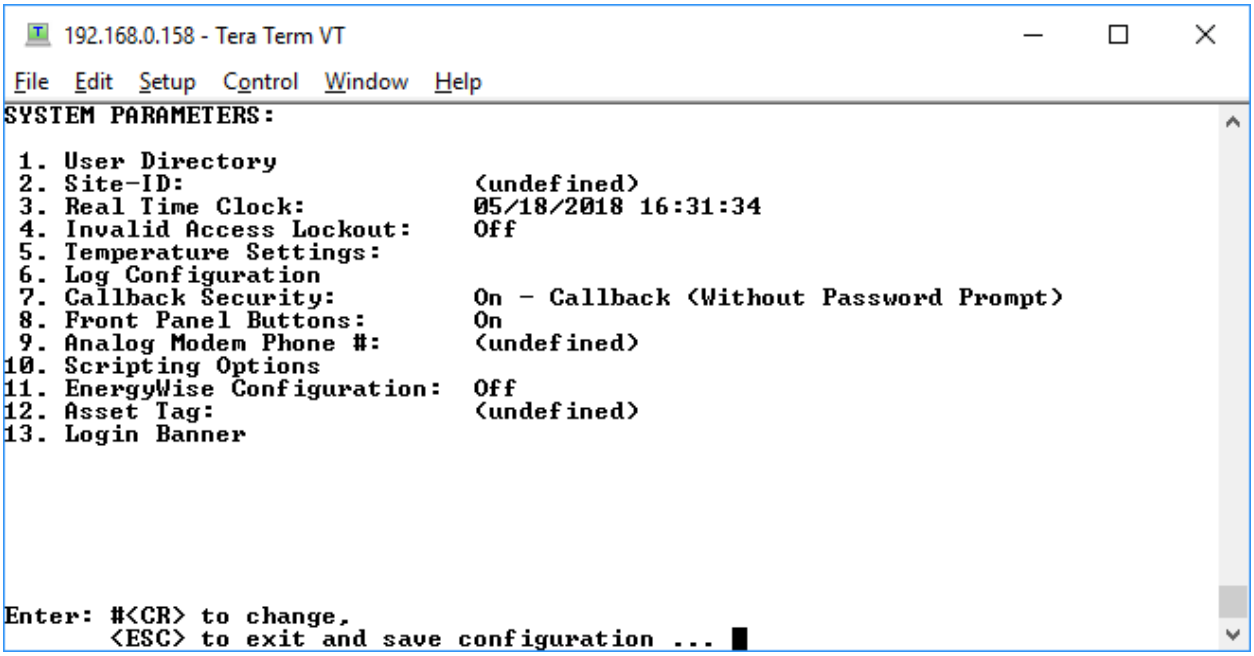


Copy your public key (/home/<username>/.ssh/id_ ecdsa.pub) to a flash drive for future use.

WTI DEVICE SETUP

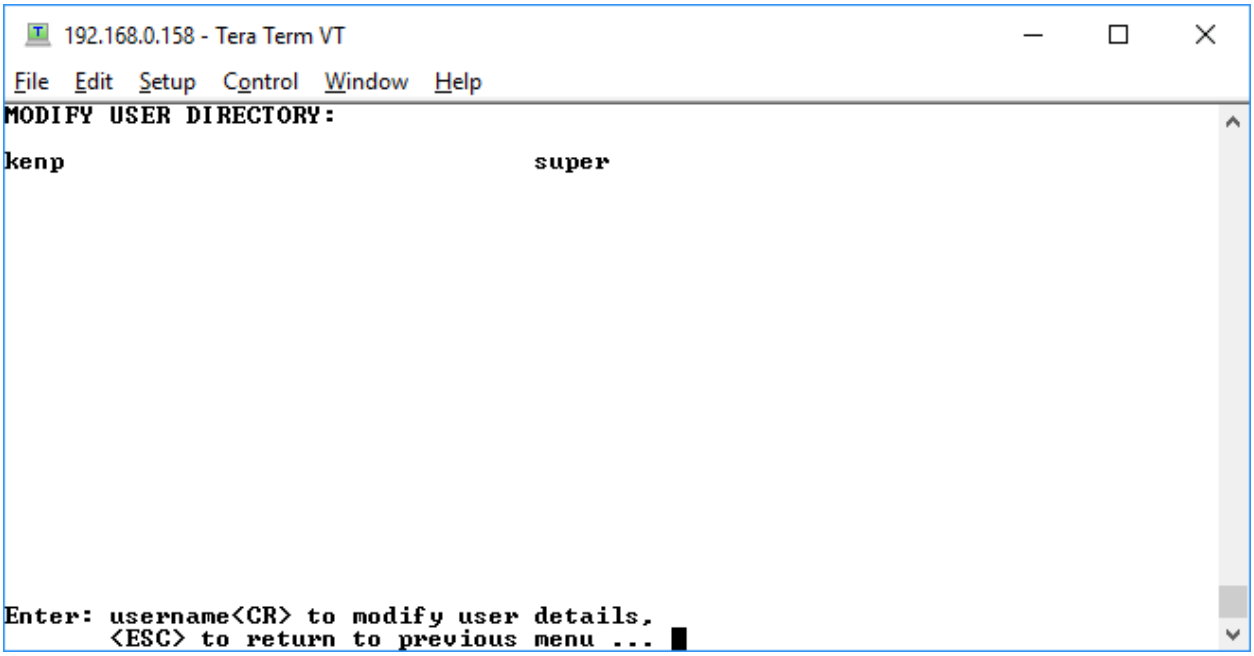
We need to upload this key to the WTI device. For simplicity I am going to upload it via TeraTerm.

From TeraTerm, login to the WTI device and enter the command: /F

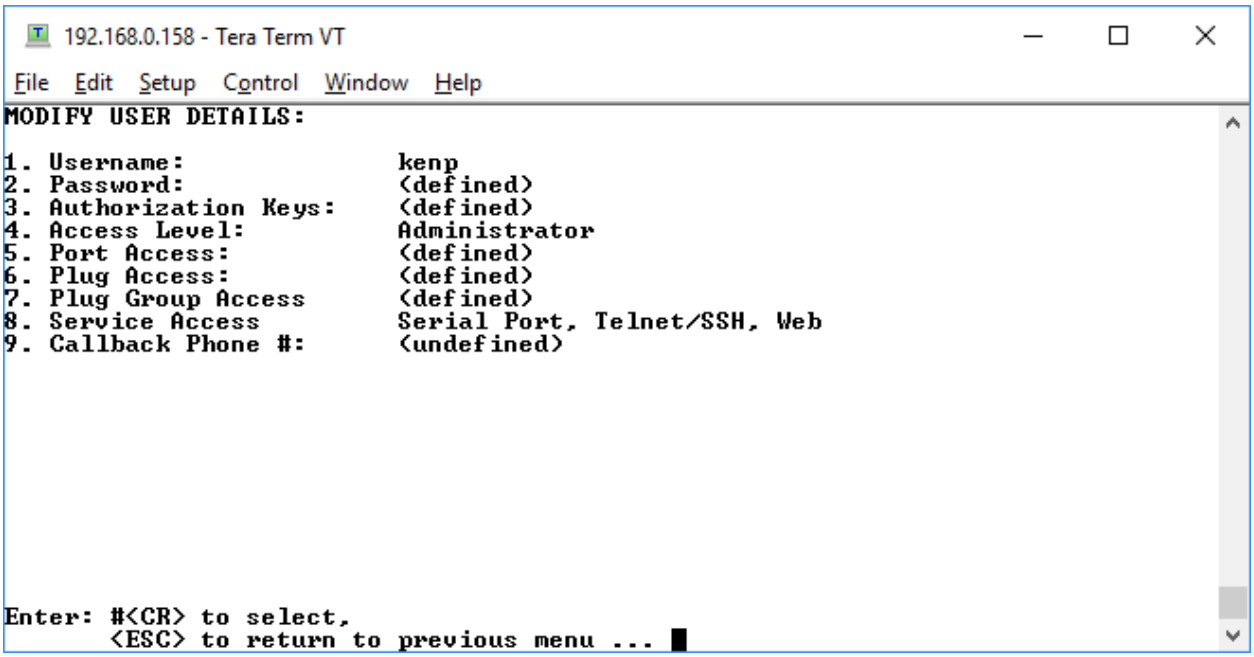


Then enter 1 to get into the User Directory, then 3 to Modify User Directory.

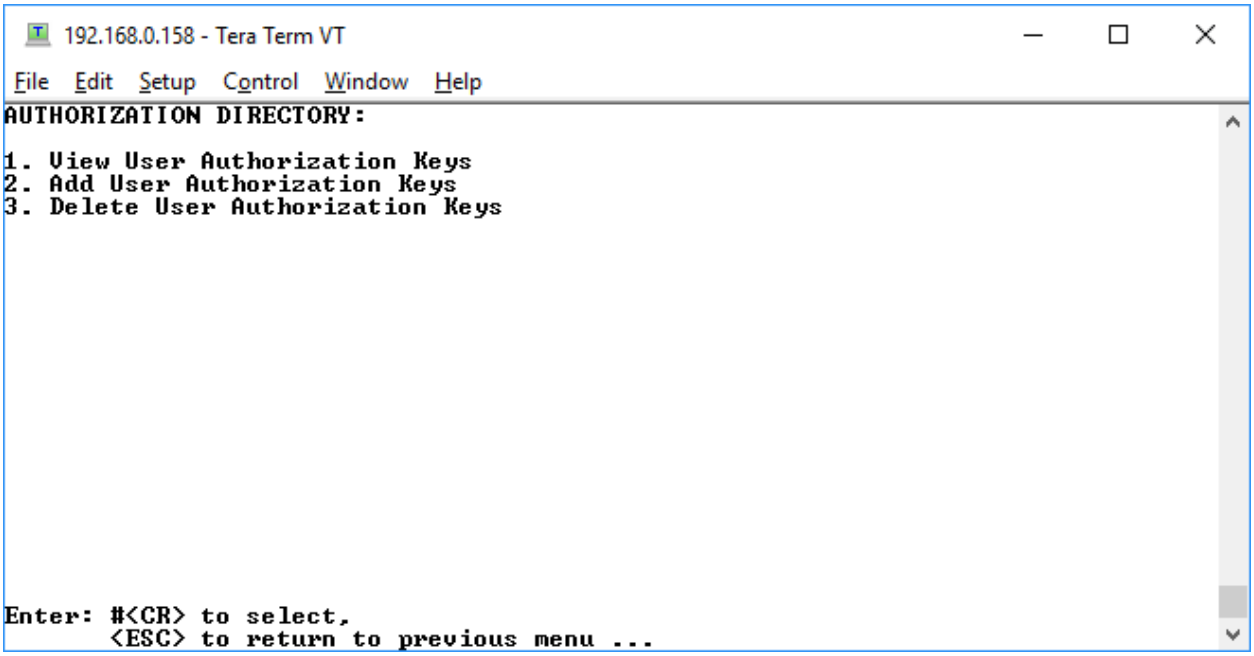
Enter the user's name that we create the key from in the previous section from the menu to edit it.



Now enter selection 3. Authorization Keys

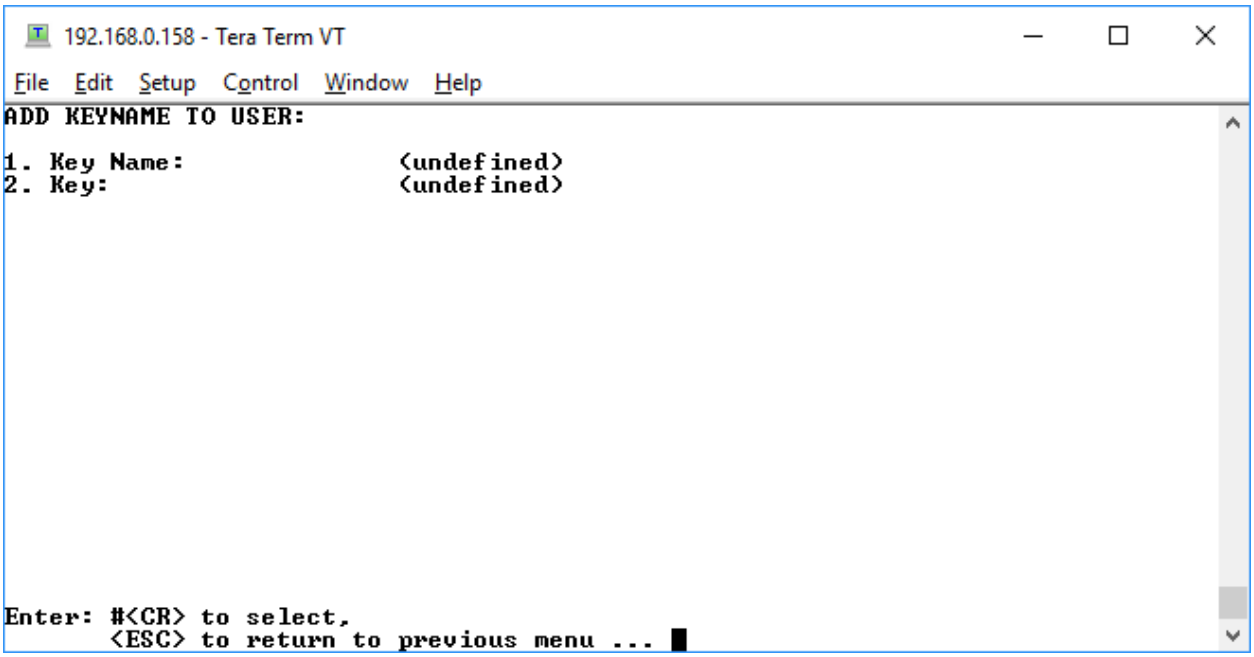


Select option 2 “Add User Authorization Keys”

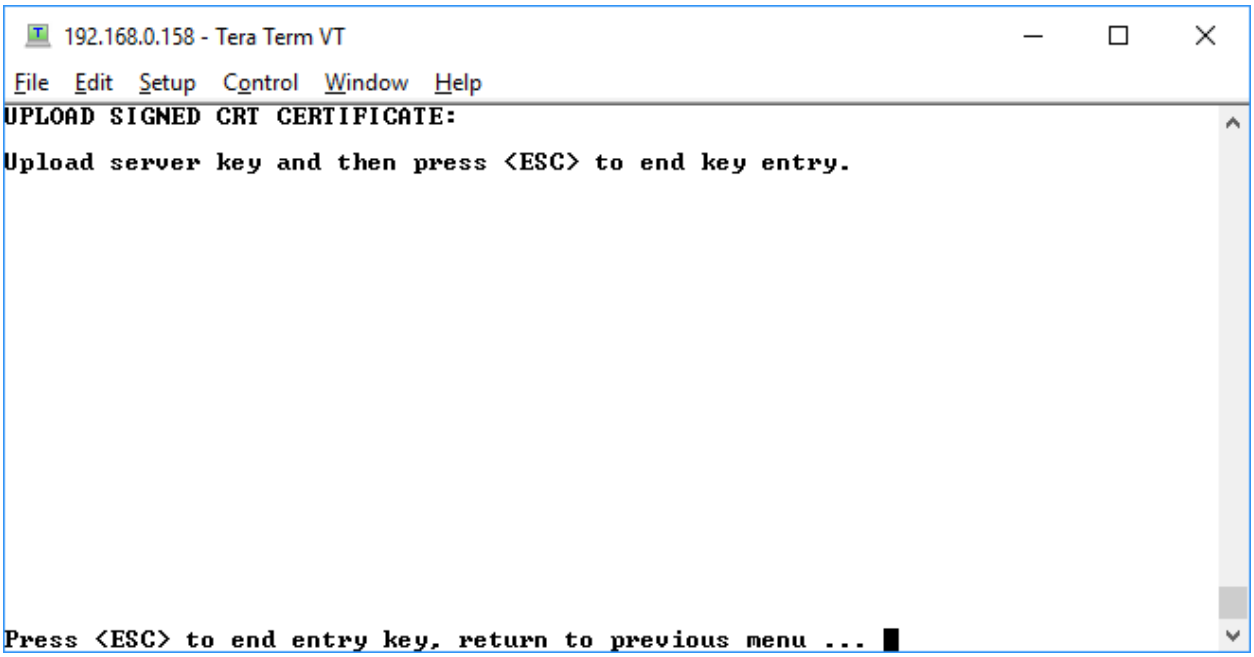


Select option 1 to modify the “Key Name”, this is a purely a description field, it’s only used to help you identify the key later.

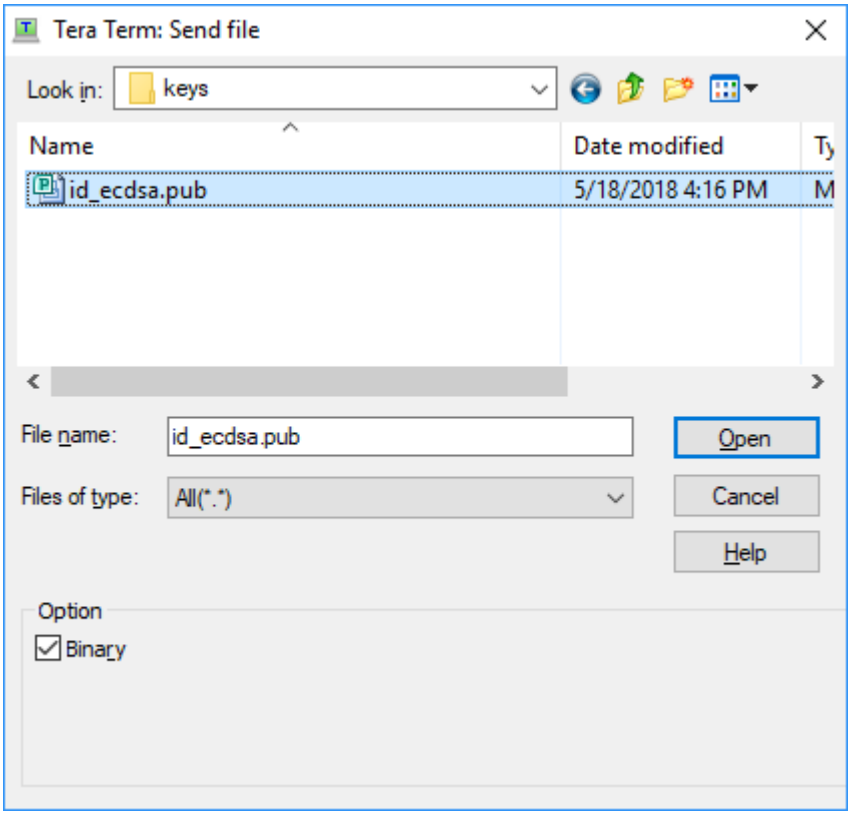
After you enter a “Key Name”, select option 2. To upload the “Key”



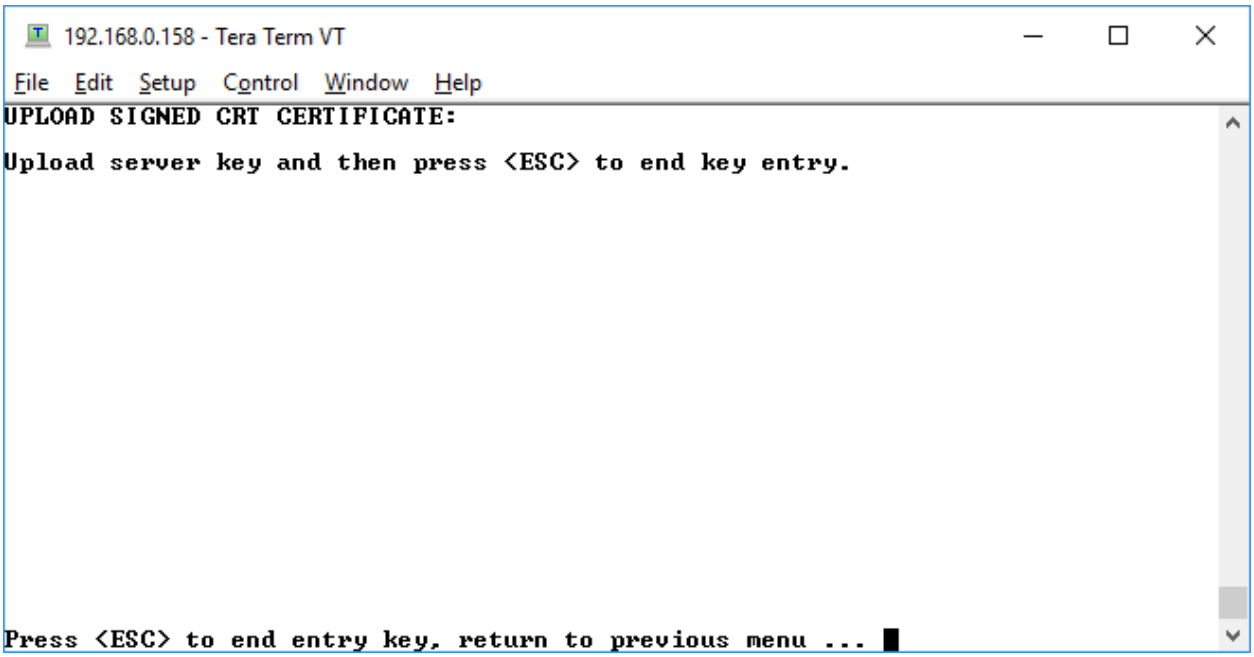
At this point anything you enter here will be uploaded as the user's key. So you need to be careful you don't enter and keys (including the enter key)



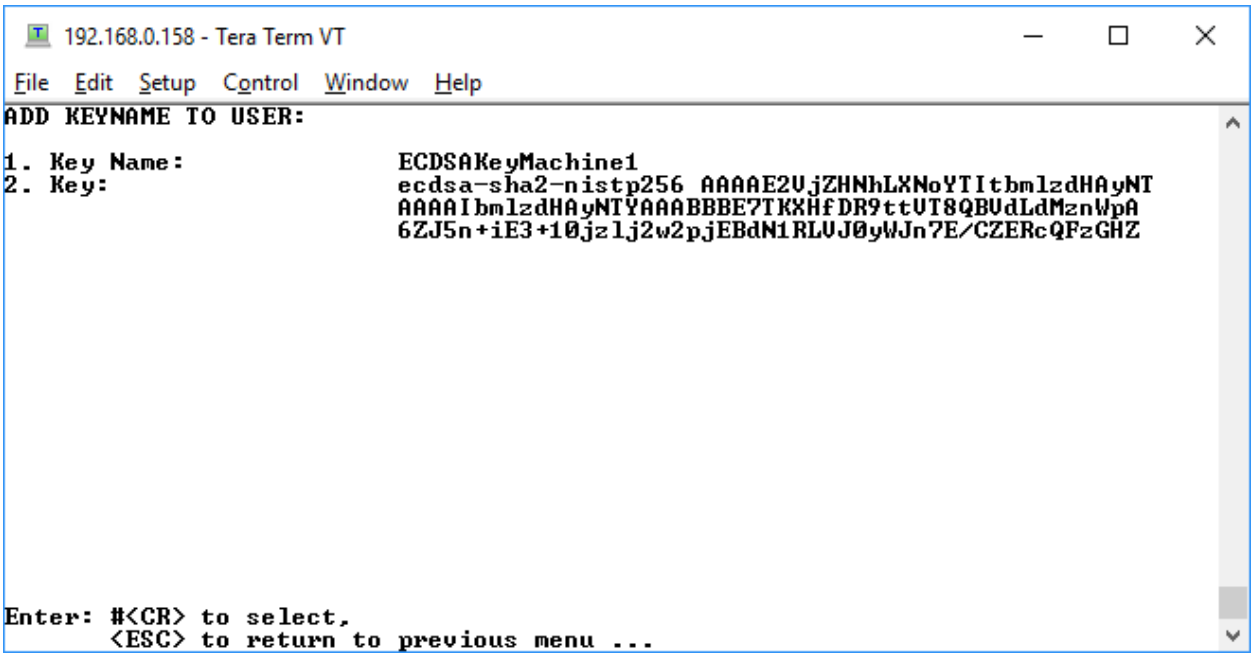
From the TeraTerm menu select “File”, then “Send File”, find the key we moved to the USB flash drive from the Linux machine and be sure to check the “Binary” checkbox. This prevents any extra <cr><lf> combinations to be sent. Then click on the “Open” button. This will send the file to the WTI box



You will now come back to the screen below, now press the <esc> key, this will end the upload sequence.



You should now be at the screen showing the key that was uploaded and should look something like this:



Now you can <esc> out to the main menu, go back to your Linux machine from the session that is logged in under <username> and enter your ssh command to the WTI device. For example

ssh kenp@192.168.0.22

You will get into the WTI device without a password.