

Personal key generation for Hellbender

After your Hellbender account is created using CILogon, your user ID will be provided. This ID follows the form “lincolnu-“ + LU email user ID. For example, an LU researcher named John Doe with LU email DoeJ@LincolnU.edu will have a Hellbender user ID equal to lincolnu-DoeJ. For the creation of your personal key, do the following:

1. Download MobaXterm using the following link:

<https://mobaxterm.mobatek.net/download-home-edition.html>

Use the “Installer edition” download and follow the installation instructions.

MobaXterm Home Edition

Download MobaXterm Home Edition (current version):

[MobaXterm Home Edition v26.4 \(Portable edition\)](#)
[MobaXterm Home Edition v26.4 \(Installer edition\)](#)

Download previous stable version: [MobaXterm Portable v26.3](#) [MobaXterm Installer v26.3](#)

By downloading MobaXterm software, you accept [MobaXterm terms and conditions](#)

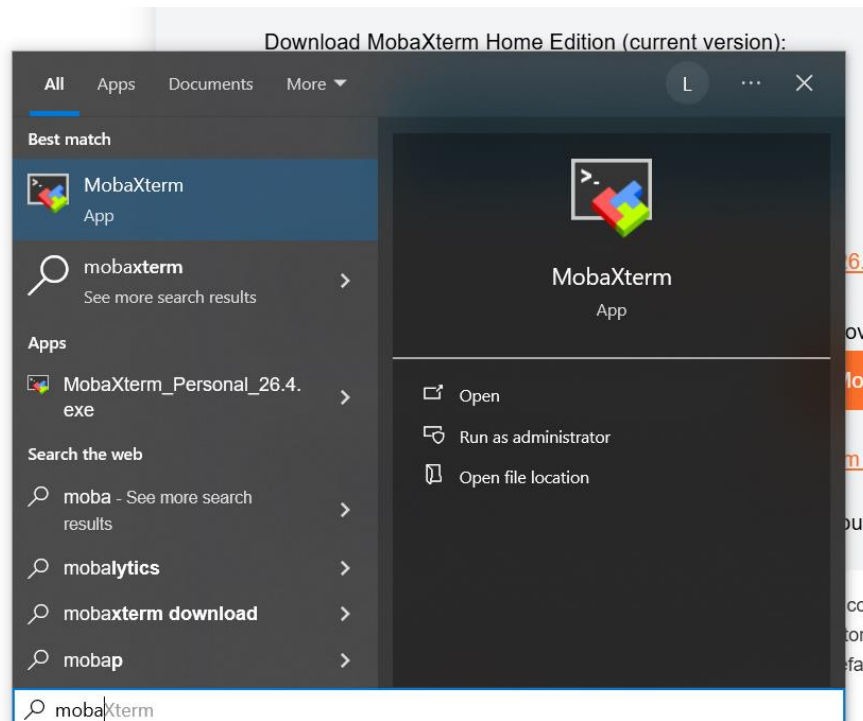
2. Look for MobaXterm in downloads and unzip the file

Today (2)			
	MobaXterm_Portable_v26.4	7/11/2026 10:51 A...	WinRAR ZIP ar... 43,031 KB
	MobaXterm_Portable_v26.4	7/11/2026 10:52 A...	File folder

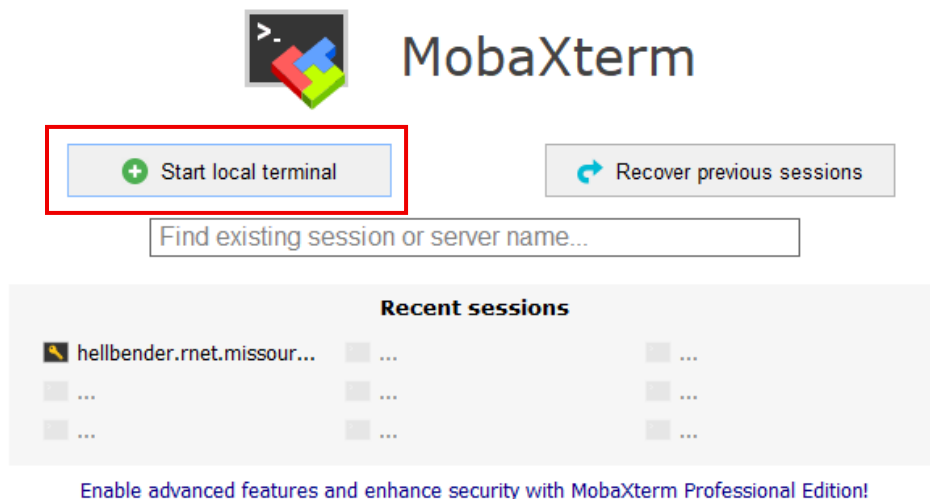
You will see the following unzipped folder content

Name	Date modified	Type	Size
CygUtils.plugin	5/20/2026 1:43 PM	PLUGIN File	19,021 KB
CygUtils64.plugin	5/20/2026 1:23 PM	PLUGIN File	12,867 KB
MobaXterm_Personal_26.4	6/3/2026 4:25 PM	Application	16,089 KB

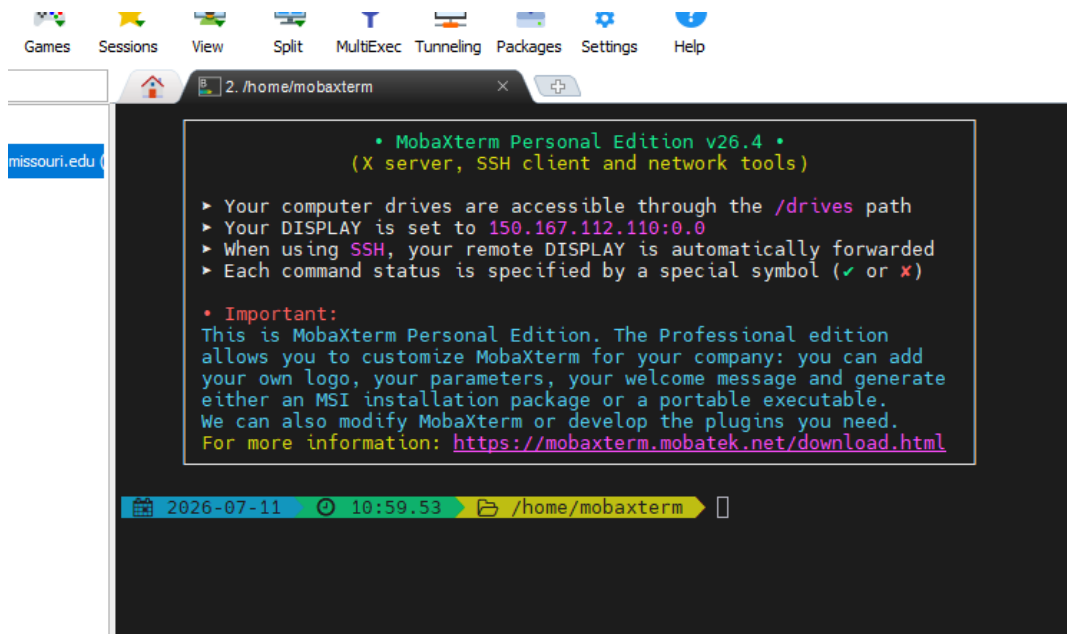
3. Search for MobaXterm and open the software



4. Click start local terminal



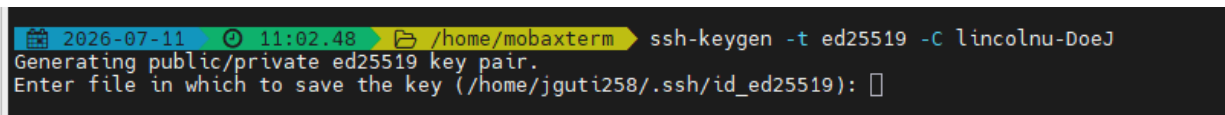
5. You will see the following screen, which is a terminal session



6. Type the following command, replacing lincolnu-DoeJ with your Hellbender user ID, and hit enter

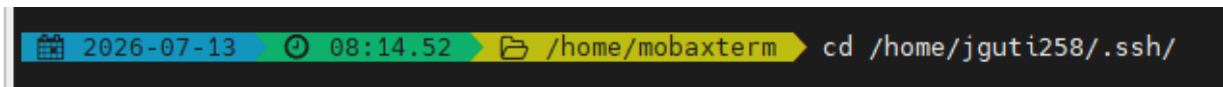
`ssh-keygen -t ed25519 -C lincolnu-DoeJ`

7. The previous command will generate the following output:



8. For: “Enter file in which to save the key:” type your Hellbender user ID, for instance, for the researcher John Doe would type `lincolnu-DoeJ`. After typing your Hellbender user ID hit enter. This command will create two keys, a public key and a private key. The former will have the `.pub` file extension and will be named `lincolnu-DoeJ`. Both files will be stored in the indicated folder, in this case, `home/jguti258/.ssh` (see step 7)
9. Leave empty and hit enter for: “Enter passphrase for 'lincolnu-DoeJ.pub' (empty for no passphrase):” In the previous command, `lincolnu-DoeJ.pub` is the same file name you entered earlier (step 6).
10. For “Enter same passphrase again:” leave empty and hit enter
11. Both files, your private and your public key, were created and saved in the folder mentioned (point 7). In this case, “`/home/jguti258/.ssh/`.” You need to move to that directory using the following command, replacing “`/home/jguti258/.ssh/`” by your corresponding folder (point 7) by using the next command:

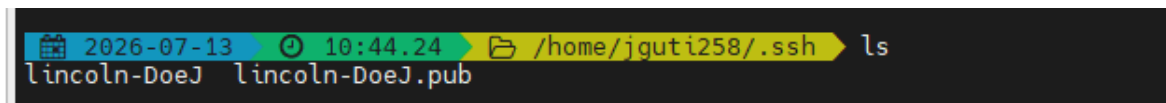
`cd /home/jguti258/.ssh/`



12. After accessing the .ssh folder, type the following on Mobaxterm:

`ls`

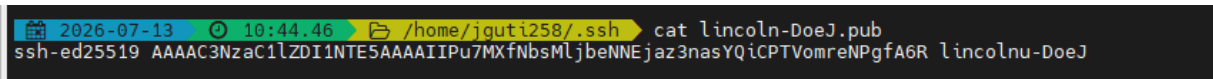
This command, “ls”, will show the contents of the .ssh folder. There will be two files inside this folder: your private key and your public key (.pub). The former is your private key, and the latter (.pub) is your public key. The public key needs to be emailed to MI IT, so your SSH access is warranted (see point 13). Under no circumstances share your private key with anybody else.



13. You need to generate a new Lincoln-DoeJ.pub file to be sent to MU IT. The easiest way to create this file is by typing the following, “cat” plus the name of the public key file. For Dr. Doe it will be:

`cat Lincoln-DoeJ.pub`

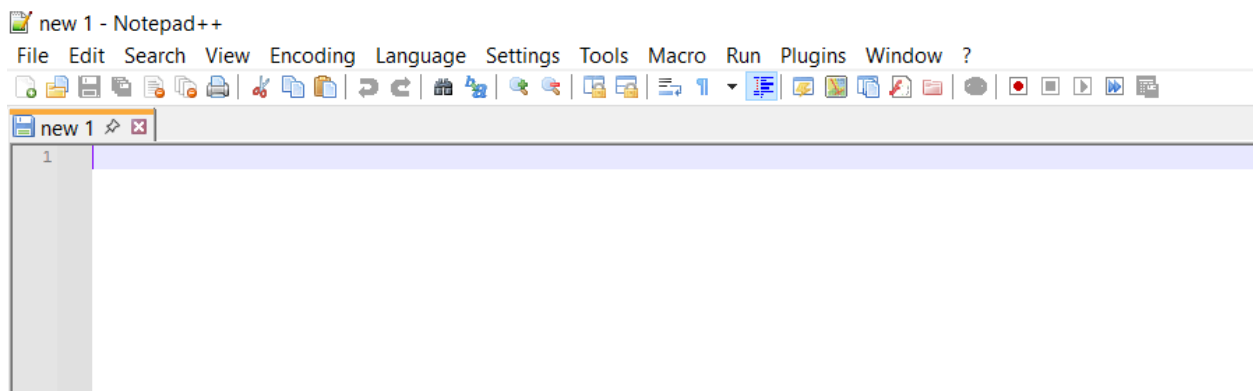
The previous command will print the content of your public key (.pub file) on MobaXterm.



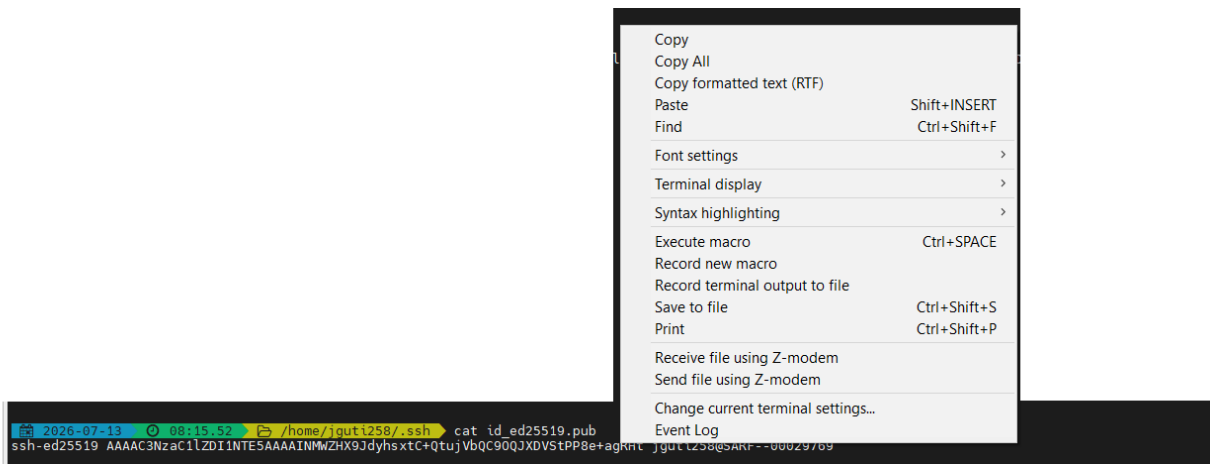
14. The easiest way to create this key file is by generating a new text file. Download and install Notepad++ using the following link

<https://notepad-plus-plus.org/downloads/v8.9.1/>

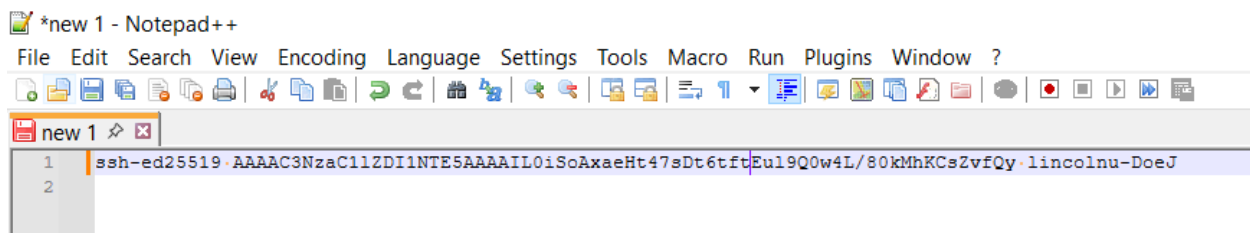
15. Open Notepad++



16. On MobaXterm, using the cursor, highlight the printed line generated by command 13, and copy it with the cursor.



17. Go to Notepad++ and paste the copied line into a new window. For John Doe, this file includes the SSH public key (ssh-ed25519), the generated public key data (AAAAC... ...ZvfQy), and the label attached to it, which is “lincolnu-DoeJ”.



18. Save the Notepad public key using the original name of the .pub file. In this case, “**Lincoln-DoeJ.pub**” on your computer. Do not forget to include “.pub” when naming the file.
19. Send the .pub file with your personal key to “itrss-support@umsystem.edu” with the subject “Hellbender Public Key Access LU” so MU can add it to your Hellbender account. Include LealGutierrezJ@LincolnU.edu in your CC field for record keeping. You will receive a confirmation email from MU, like the one below, that includes a message about adding your key to their system.

[External] TDX Service Request #2 8 Updated (Personal key LU)



MU DoIT TDX Notify <noreply-mudoittdxnotify@missouri.edu>
To Leal Gutierrez, Joel

If there are problems with how this message is displayed, click here to view it in a web browser.

Division of Information Technology

University of Missouri

An update has been made to **Service Request #2 8**.

Your Tickets Status is **Resolved**

20. After receiving the email confirmation, IT will communicate again with you regarding account creation. If you have any problems with this solicitation, please email LealGutierrezJ@lincolnu.edu.