How do I log in to the cluster?

How Do I Access HPC Node

This page explains how to access our UNC Charlotte HPC interactive node (hpc.uncc.edu)

How do I access HPC Node?

- Do you have a cluster account?

If not, first create one [https://servicecatalog.uncc.edu/service/research-computing/high-performance-computing-research](https://servicecatalog.uncc.edu/service/research-computing/high-performance-computing-research). When your cluster account is ready, please move on to the next action item.

If you already have a cluster account, please go to the next action item.

- Fill in the required fields and click submit. You will receive email confirmation about the ticket and its reference number. The ticket status will be notified via the email.
When you receive a resolved status email for the HPC node access request, please try to access the HPC interactive node with your UNC Charlotte (NinerNET ID) credentials

Please make sure you are connected to UNC Charlotte VPN https://spaces.uncc.edu/pages/viewpage.action?pageId=6653379

For Windows

- HPC interactive node (hpc.uncc.edu) is a SSH host. To access this interactive command line terminal, please install command line tool preferably putty (https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html) , MobaXTerm (https://mobaxterm.mobatek.net/download-home-edition.html)

- After installation, try to access the node (hpc.uncc.edu)

For Putty:

- Open the putty terminal, enter the HPC hostname, enter port as 22, select SSH connection and click Open.
• Please login with your UNC Charlotte account’s username and password

![PuTTY login screen](image)

• If your access is properly granted, you can successfully access the HPC Node

• Repeat the same if you are using MobaXTerm. Click on Session, and add the HPC node and try to access it using your UNC Charlotte (NinerNET ID) credentials. Use Session in the top left to include the node

![MobaXTerm session](image)

• If you cannot login, please check if you have correctly entered the password or check if your UNC Charlotte account (NinerNET ID) is working fine or if everything is good, please create a new ticket to URC explaining your access problem

For Mac

Please access the HPC interactive node from your terminal prompt. Make sure you are connected to the UNC Charlotte VPN. [https://spaces.uncc.edu/pages/viewpage.action?pageId=6653379](https://spaces.uncc.edu/pages/viewpage.action?pageId=6653379)

ENABLE DUO AUTHENTICATION

URC utilizes Duo to provide an additional layer of security. Please follow these steps [https://spaces.uncc.edu/pages/viewpage.action?pageId=35651686](https://spaces.uncc.edu/pages/viewpage.action?pageId=35651686) to enable DUO authentication

Related FAQs

• HPC Cluster Questions
• General HPC Questions
• Data Transfer Node (DTN)
• University Research Computing
• What are Environment Modules?