



Setting Up a Neocortex CS-3 Account

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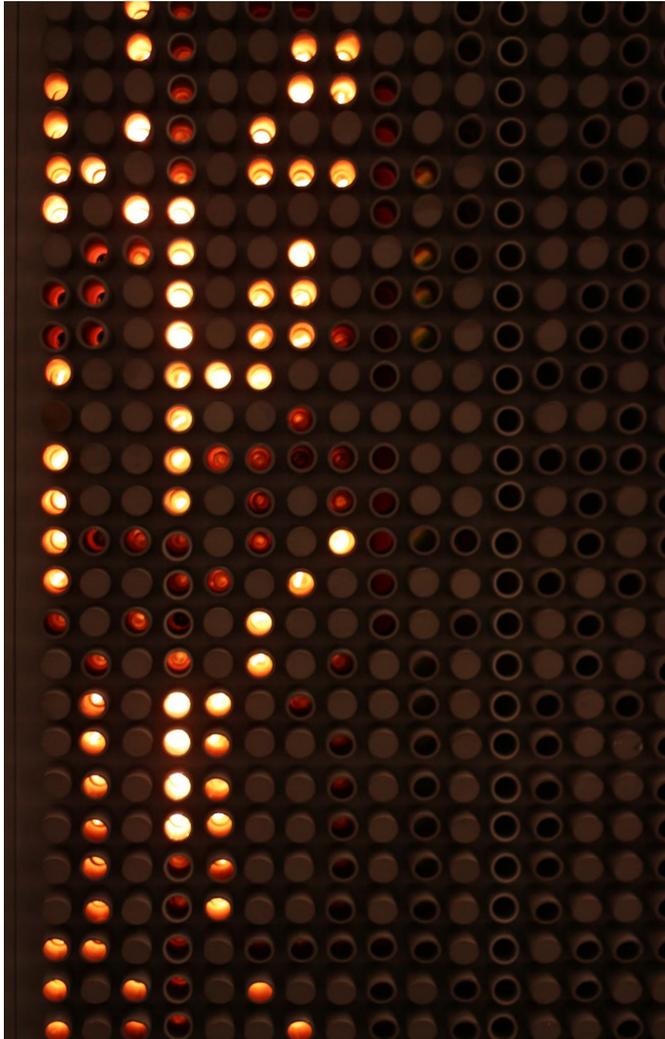
Allocations

NAIRR Pilot National Artificial Intelligence
Research Resource Pilot

- NAIRR
 - Submit an allocation request via the NAIRR Pilot portal, providing details about your project and the resources required.
 - Allocation reviews are generally completed within a month following submission.
 - Further information:
<https://nairrpilot.org/nairr-pilot-proposal-instructions>
- ACCESS
 - To create a new allocation, log in to the ACCESS Allocations Portal and submit a project request.
 - Choose the project type that fits your needs (e.g., Explore, Discover, or Accelerate) and provide details about the resources required and the project's goals.
 - Further information:
<https://allocations.access-ci.org/how-to>



Account Creation



- One you are provisioned via NAIRR/ACCESS, you can request a Neocortex account to be created
 - To do so, send the following information to neocortex@psc.edu
 - Name
 - PSC username
 - PSC allocation ID
 - Email address
 - SSH public key (see next slide for more details)
- Instructions for adding/managing team members via NAIRR/ACCESS projects:
<https://portal.neocortex.psc.edu/docs/CS-3/accounts.html#adding-new-team-members-to-an-existing-project>

SSH Key Generation

```
ubuntu@ubuntu-VirtualBox: ~  
ubuntu@ubuntu-VirtualBox:~$ ssh-keygen  
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa): my_key  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in my_key.  
Your public key has been saved in my_key.pub.  
The key fingerprint is:  
5d:48:47:39:3b:fd:64:75:b3:74:26:f8:04:81:91:7b ubuntu@ubuntu-VirtualBox  
The key's randomart image is:  
+--[ RSA 2048 ]-----+  
      o===  
     .oo+ oo=  
    ...*.o*  
   ...E o.o  
  S .. . +  
      .  
+-----+  
ubuntu@ubuntu-VirtualBox:~$
```

- Secure Shell (SSH) keys are used for networked computer access
 - Creating keys generates a public key (what you share with Neocortex) and a private key (what you use to connect to CS-3)
- Run the following in your terminal/command line/PowerShell
 - `ssh-keygen -t rsa -C "your_email@example.com"`
 - Save the keys locally with a password
 - Copy the output from the `id_rsa.pub` file (public SSH key) and paste it into email to Neocortex help desk
- **Never** email the private key (`id_rsa`); send only the public key (`id_rsa.pub`).

VPN Connection



GlobalProtect Portal

Username

Password

LOG IN



GlobalProtect Portal

[Download Windows 32 bit GlobalProtect agent](#)

[Download Windows 64 bit GlobalProtect agent](#)

[Download Mac 32/64 bit GlobalProtect agent](#)

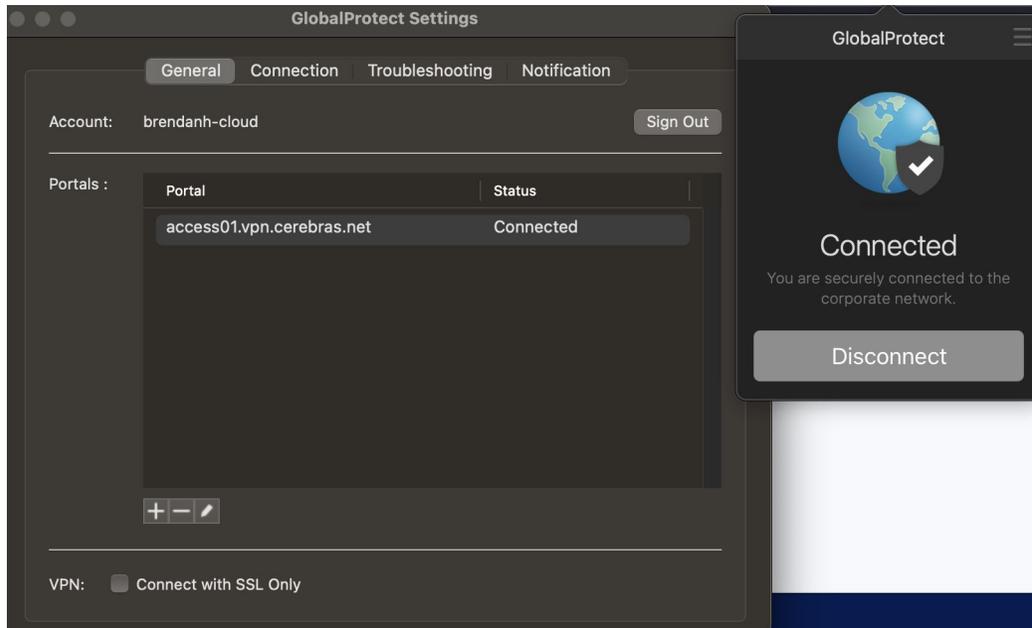
Windows 32 bit OS needs to download and install Windows 32 bit GlobalProtect agent.

Windows 64 bit OS needs to download and install Windows 64 bit GlobalProtect agent.

Mac OS needs to download and install Mac 32/64 bit GlobalProtect agent.

- When your CS-3 account is created, you will receive credentials via email
- Once you have your username/password, go to <https://access01.vpn.cerebras.net> and log in
- You will be prompted to download GlobalProtect Portal, the VPN platform for connecting to NeoCortex
- Download and install the correct version for your machine

VPN Connection



- When GlobalProtect is installed, add the Cerebras portal to the client: `access01.vpn.cerebras.net`
 - Note: be sure not to include `https://`
- Connect to the above via GlobalProtect and log in with your credentials
- Via your command line, you can access the Neocortex cloud usernode via `ssh [your_username]@cg3-us27.cg3`