Armis2 login for PHI for Macs

Preflight Steps

- If you have not requested an account, you can do so by filling out this form: http://arc-ts.umich.edu/login-request. In order to be added to the Precision Health slurm account for billing purposes, please mention that you are a member of Precision Health.
- Off-Campus access is available with usage of the Umich VPN. It can be downloaded for your operating system at https://its.umich.edu/enterprise/wifi-networks/vpn/getting-started. Alternatively, you can first ssh to login.itd.umich.edu and then Armis, using your uniqname and level-1 password instead of using the VPN.
- Duo 2-Factor authentication is required. You can setup Duo by visiting https://duo.it.umich.edu
- More detailed documentation on using Armis2 can be found HERE

Directions

- Open the “Terminal” Application. It is located in the Utilities folder or can be found quickly by using the spotlight search in the right corner of the toolbar.
- Next, you will SSH into the login for Armis. Type the following command and hit enter to start the connection: ssh uniqname@armis2.arc-ts.umich.edu
  
  ```
  ssh wolodkin@armis2.arc-ts.umich.edu
  ```
- Enter your Umich level-1 password as the password. Terminal will not show each keystroke but it is reading the input. If you fail entering your password more than 3 times, you will have to SSH into Armis once again.

  Password:

- Authenticate with Duo-2factor by choosing your desired option, and hit enter.

  Duo two-factor login for wolodkin
  Enter a passcode or select one of the following options:
  1. Duo Push to XXX-XXX-1604
  2. Phone call to XXX-XXX-1604
  3. SMS passcodes to XXX-XXX-1604
  Passcode or option (1-3):
- You are now logged into the Armis2 HPC cluster. It is a Linux based virtual machine. More information on using Armis2 can be found on the ARC-TS armis user guide located at [https://arc-ts.umich.edu/armis2/user-guide/](https://arc-ts.umich.edu/armis2/user-guide/)

- The Precision Health storage volume is located at /nfs/turbo/precision-health/DataDirect/. Within this folder will be HUM#### folders with a title of the Study. You will only have access to the HUM# that corresponds to your Data.
  - You may need to run the ‘LS’ command at this step, to find the HUM# and complete title of your study.
  - ‘cd’ into that location to access your data.