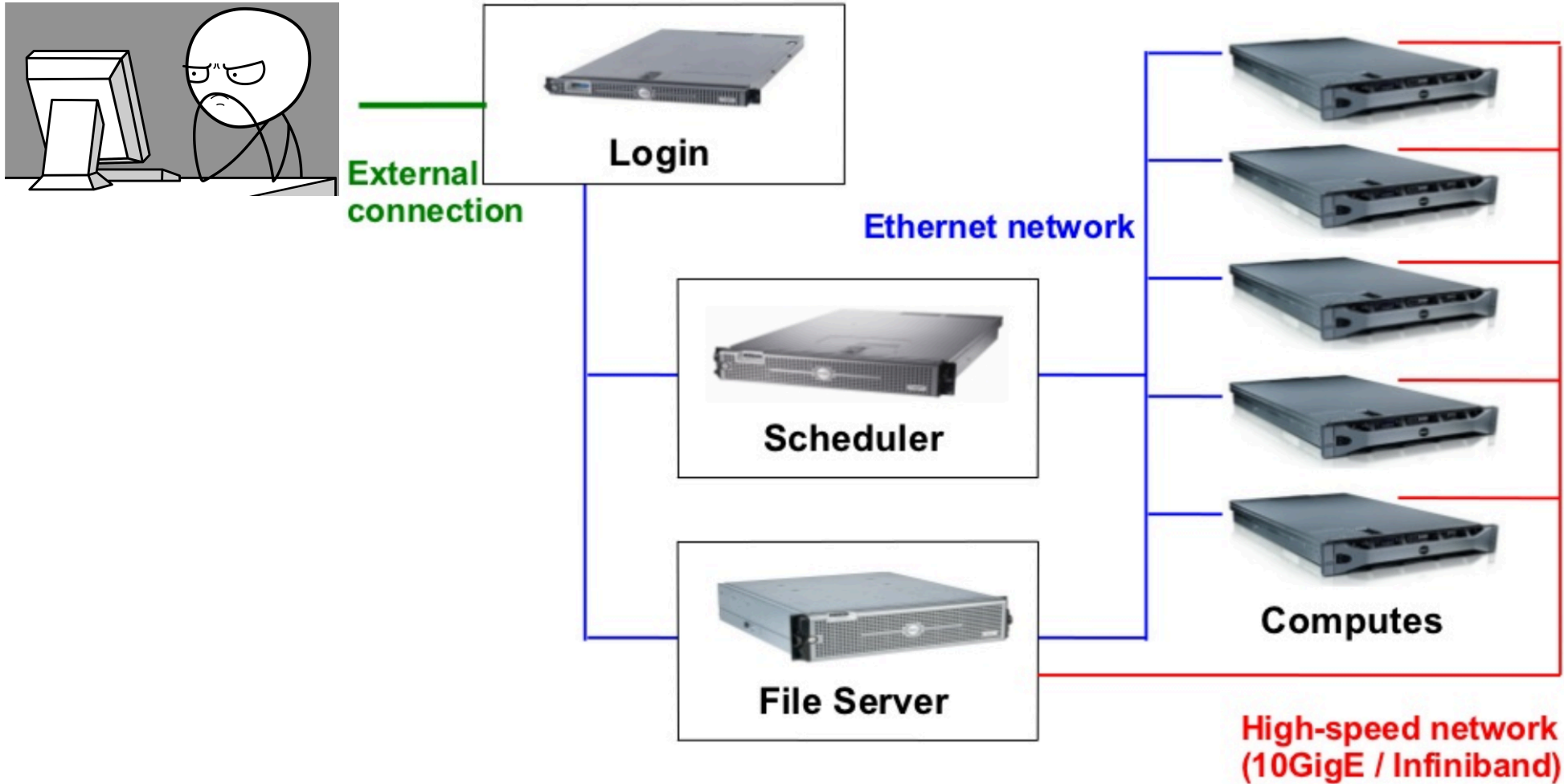


Welcome to Hoffman2

Week1

Typical HPC Cluster



<https://www.hoffman2.idre.ucla.edu/>



Search this website .

ACCESS

COMPUTING

DATA STORAGE

FILE TRANSFER

SOFTWARE

About 

User Support

FAQ

Getting started

News

Security policy

Status

How to acknowledge the
Hoffman2 cluster program

How to use this site



You are here: [Home](#)

Home

Welcome to the Hoffman2 Cluster User Guide. To look up usage information, click on one of the navigation tabs above or the sidebar items on the left.

Recent Announcements

IDRE Advanced Computing Classes

A number of advanced computing classes are scheduled for Fall 2018. For more information or to sign up, please go to: <https://idre.ucla.edu/calendar> . To visit UCLA's one-stop portal for training classes and workshops offered around campus, please go to: workshops.idre.ucla.edu .

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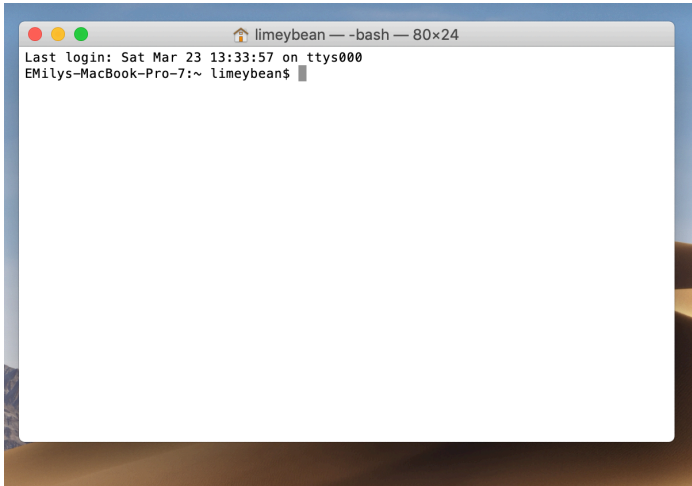
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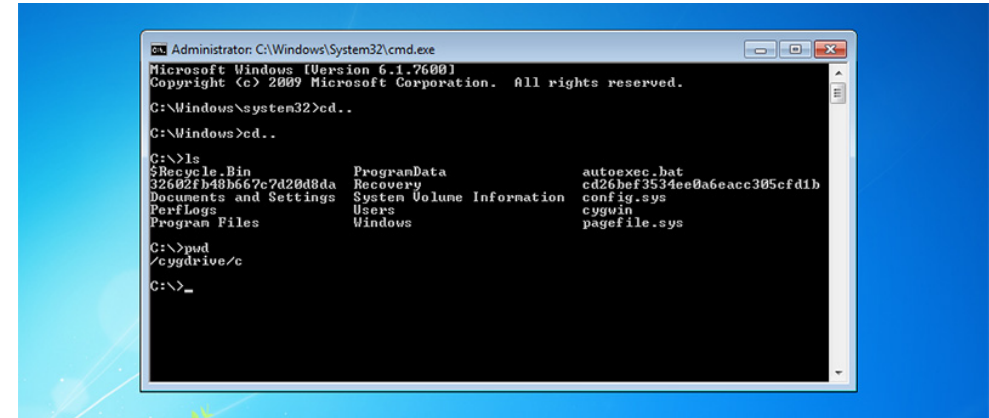
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How do I access Hoffman2?

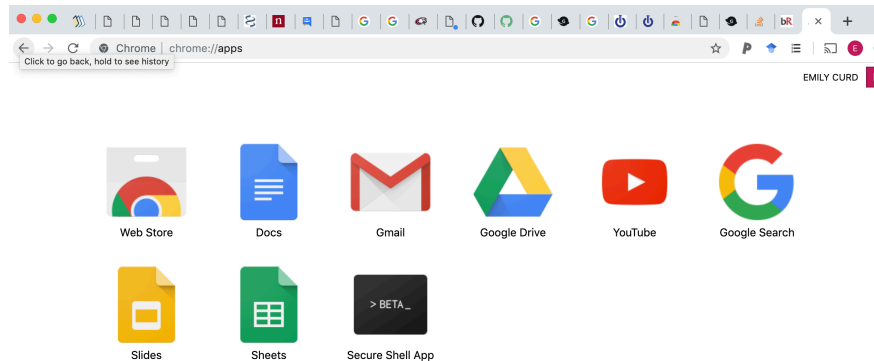
Terminal Mac/Unix and Linux



SSH Client for PC

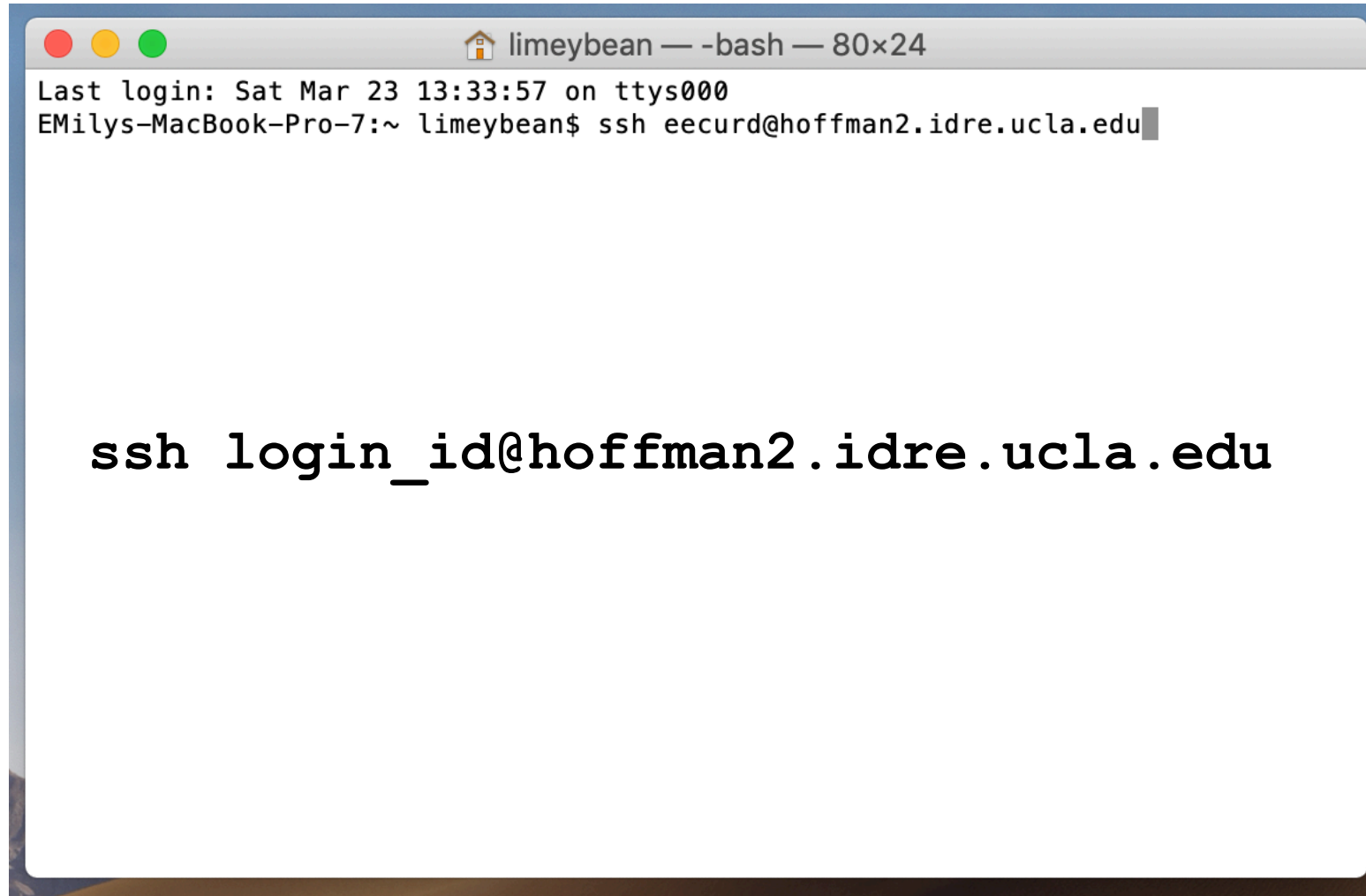


web-based SSH



<https://www.hoffman2.idre.ucla.edu/access/>

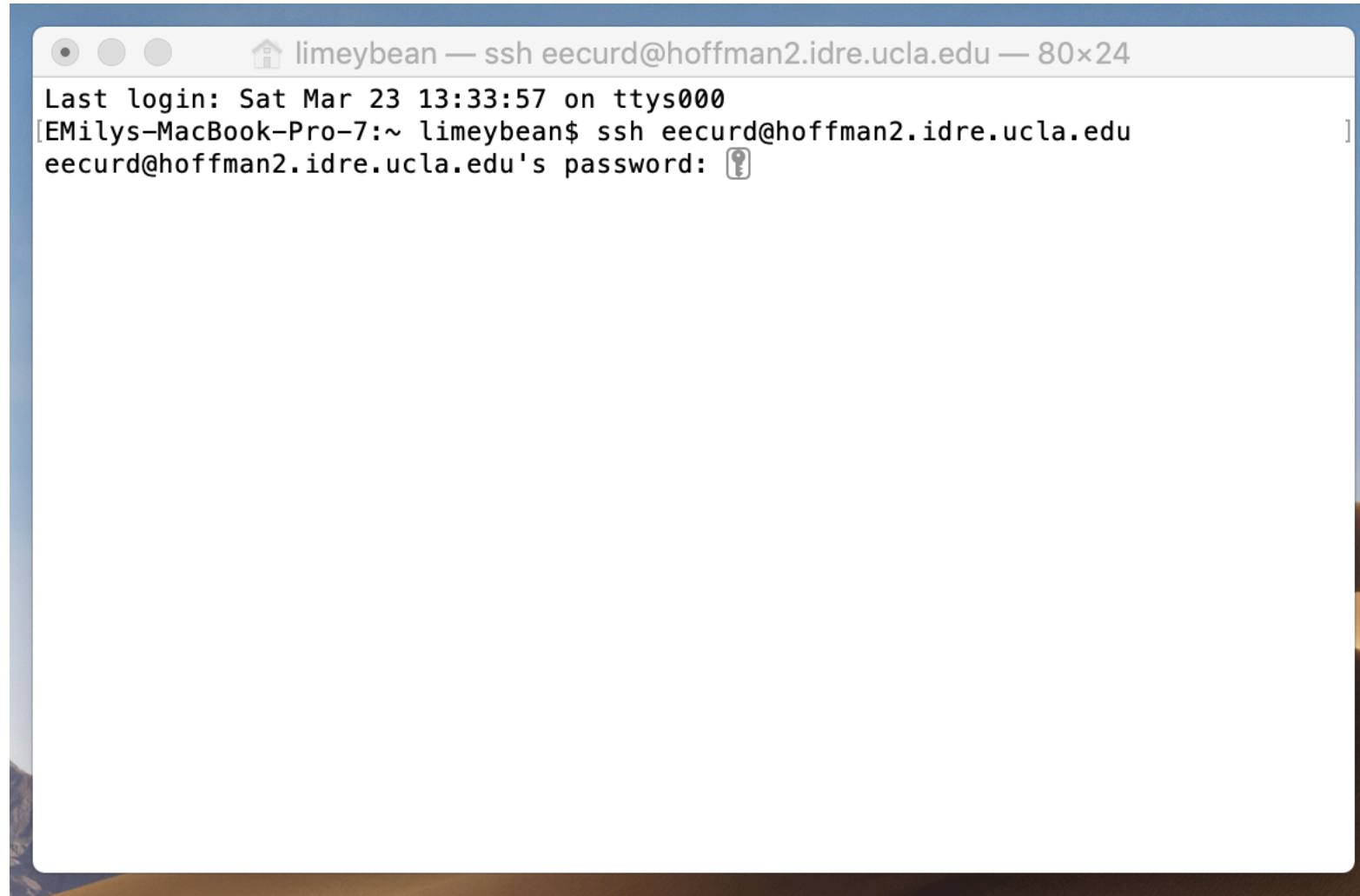
How do I login to Hoffman2?

A screenshot of a macOS terminal window. The title bar shows a home icon, the text 'limeybean — -bash — 80x24', and three window control buttons (red, yellow, green). The terminal content shows the last login time and the command being entered.

```
limeybean — -bash — 80x24
Last login: Sat Mar 23 13:33:57 on ttys000
EMilys-MacBook-Pro-7:~ limeybean$ ssh eecurd@hoffman2.idre.ucla.edu
```

`ssh login_id@hoffman2.idre.ucla.edu`

How do I login to Hoffman2?



A terminal window titled "limeybean — ssh eecurd@hoffman2.idre.ucla.edu — 80x24". The window shows the output of an SSH command. The first line is "Last login: Sat Mar 23 13:33:57 on ttys000". The second line is the prompt "[EMilys-MacBook-Pro-7:~ limeybean\$ ssh eecurd@hoffman2.idre.ucla.edu" followed by a closing bracket. The third line is "eecurd@hoffman2.idre.ucla.edu's password:" followed by a key icon.

```
limeybean — ssh eecurd@hoffman2.idre.ucla.edu — 80x24
Last login: Sat Mar 23 13:33:57 on ttys000
[EMilys-MacBook-Pro-7:~ limeybean$ ssh eecurd@hoffman2.idre.ucla.edu ]
eecurd@hoffman2.idre.ucla.edu's password: [key icon]
```

Fingerprint the first time you connect...

SHA256:

kah9BJwSzrlFnVp9Tg+El2IdcCN7JgN5+Ur2RyIdvwM

RSA key:

**xotov-buget-sigyv-gozac-derel-dabaz-ryfep-tohyl-pacoc-pukot-zoxex
3c:9c:67:d8:c5:a4:ae:77:07:5f:10:2f:20:4a:75:0f**

RSA1 key:

**xocen-pufiz-folal-haruf-bahid-fusyg-cihon-merul-mecyn-laton-poxix
e5:75:a2:e8:07:a4:52:c4:c1:10:40:bd:bc:55:ed:3a**

DSA key:

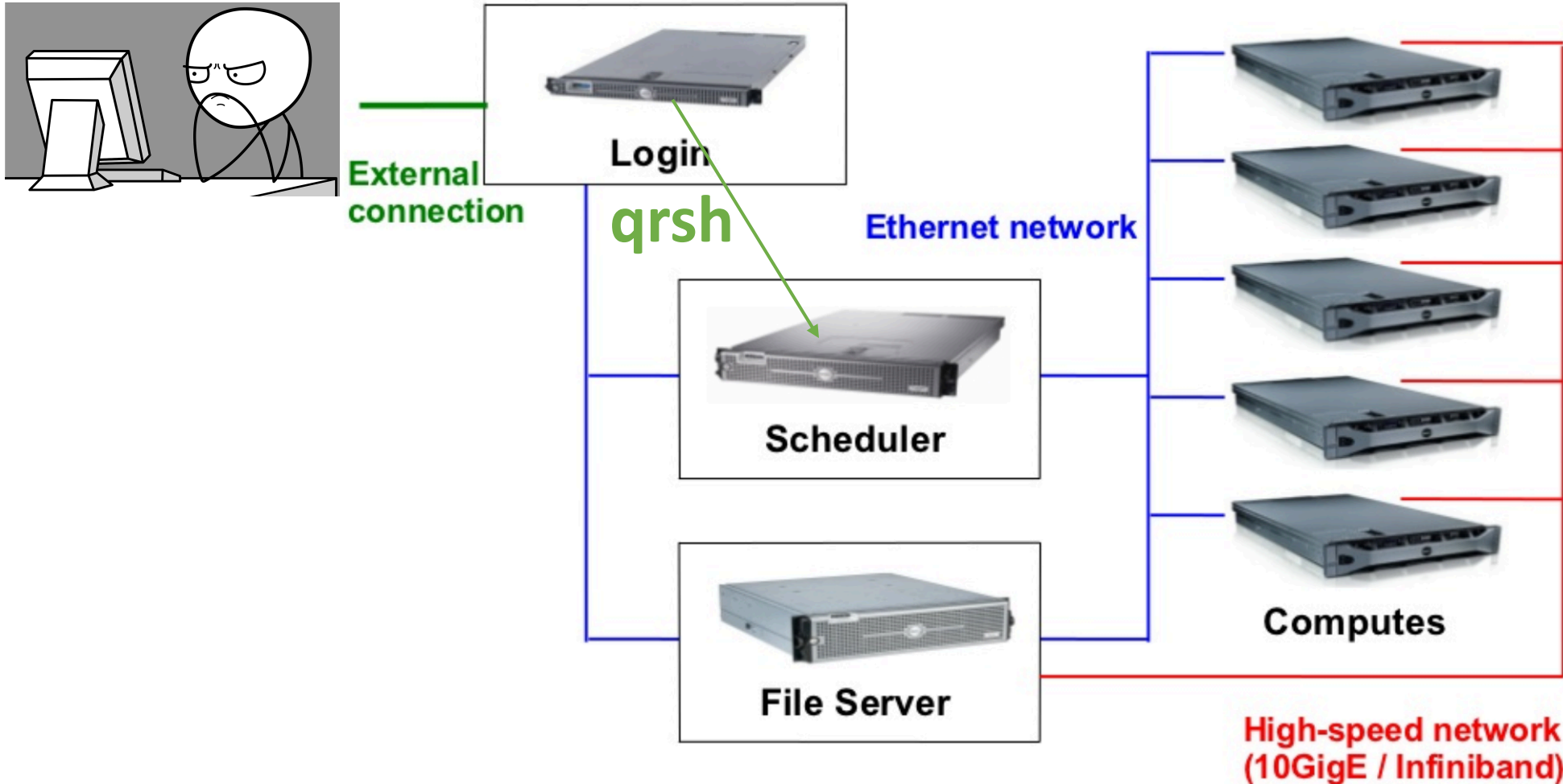
**xuher-gizaf-kedap-labif-mihiz-silys-hosih-hefez-pagiz-baguk-zexux
09:43:5d:54:01:67:f0:ee:6e:be:20:e3:d4:ec:45:ac**

What is the heck do I do now?

- Check out a compute node
\$ qysh

Typical HPC Cluster

Do not linger in the Login node



What is the heck do I do now?

- Check out a compute node

\$ qrsh

\$ myjob

\$ qstat -u <username>

What is the heck do I do now?

- Check out a compute node

\$ qssh

\$ myjob

\$ qstat -u <username>

- Basic navigation in the shell.....

What is the Shell

- a simple language with a **command-line interface**
 - **read-evaluate-print loop**
- primary purpose is to read commands and run other programs
- good for automating repetitive tasks
- Used to access networked machines (e.g. HOffman2)

How do I use the Shell?