MA194 – Using Unix

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Class #7 - Tuesday, February 6, 1996 – Week 4

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UK/Lexington: Wed & Fri 9:00 PM EST, TCI Channel 16

URL: `http://www.ms.uky.edu/~ma194`
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Tonight's Topics

- Homework 3

- Finish lower-level networking

- User-level networking

- Operating system view of networking

Machine names vs. numbers

– Nameservers

– The nslookup command

– IP numbers

– The WHOIS command

– Hooking up your PC

User level programs

– finger

– telnet

– ftp

– Netscape

The Operating System's view

– Multiple users, one interface

– Multiple interfaces

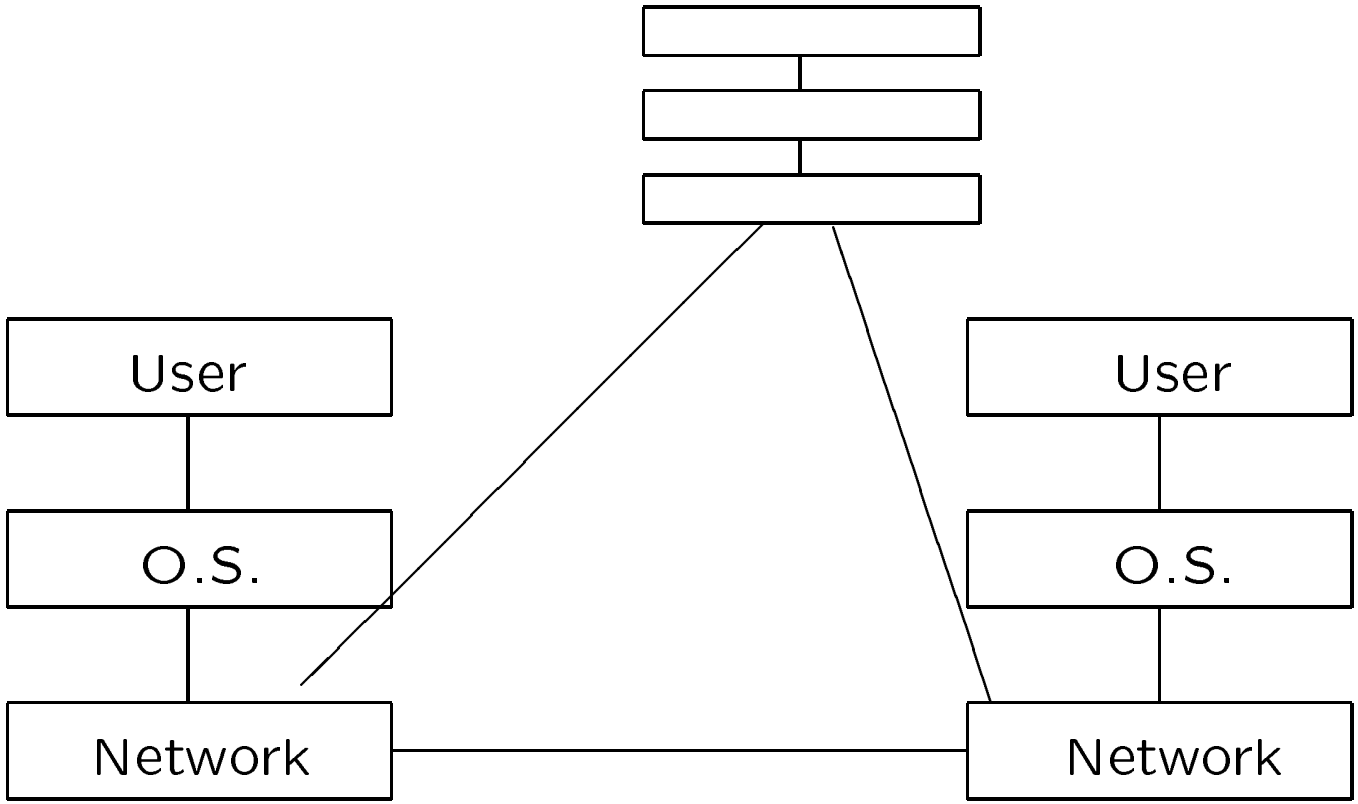
The finger command

```
franklin:~$ finger chaney@test.uky.edu
[test.uky.edu]
Login name: dan                         In real life: Dan Chaney
Directory: /home/usr/dan                Shell: /bin/csh
Last login Mon Jan 15 16:11 on ttyp9 from 128.163.132.106
Unread mail since Mon Jan 15 08:52:50 1995
No Plan.
```

```
franklin:~$ finger @t5.mscf.uky.edu
[t5.mscf.uky.edu]
Login    Name                 Tty  Idle  Login Time
chaney   Daniel Chaney         p2    1d  Jan 20 16:22
chaney   Daniel Chaney         r3    28  Jan 18 16:26
krump    Chase Krumpelman     qe  3:16  Jan 18 14:32
krump    Chase Krumpelman     r6    2d  Jan 18 14:43
kryscio  Richard Kryscio      qb  5:25  Jan 18 13:50
ma193    MA193 account        pe    28  Jan 19 13:48
martin   John Martin          q8  7:48  Jan  7 12:54
mike     Mike McKenna         q0  4:16  Jan 14 18:49
paul     Paul Eakin           q2    7d  Jan 13 14:21
rbowen   Richard Bowen         p0  3:45  Jan 21 12:54
stockb   Richard Stockbridge   pa    1d  Jan 18 10:03
toddc    Todd Caldwell        pd    1d  Jan 20 09:53
vgorb    Vassily Gorbounov    p1     4  Jan  5 14:09
```

An example of FTP

```
t2.mscf.uky.edu% ftp ftp.ms.uky.edu
Connected to t8.mscf.uky.edu.
220-
220-Welcome to the Mathematical Sciences Computing Facility archives
220-Please see the files README and WELCOME for details.
220-
220 t8.mscf.uky.edu FTP server (Version wu-2.4(2)
220 Wed Jun 7 17:22:02 MDT 1995) ready.
Name (ftp.ms.uky.edu:chaney): anonymous
331 Guest login ok, send your complete e-mail address as password.
Password:
230 Guest login ok, access restrictions apply.
Using binary mode to transfer files.
ftp>
```


User
User
O.S.
O.S.
Network
Network