



Test Your Tech

Navigation is:

- A. Following a series of links to locate specific information on the Web.
- B. Finding your uncle's mountain cabin in dense fog.
- C. Avoiding rush-hour traffic during the World Series.



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Announcements

- Due by today
 - * Chapters 1-5 in *Fluency*
- For Monday
 - * Read Chapter 6



A little bit more

NETWORKING WRAP-UP



Activity

- Dissecting URLs....
 - * <http://224.127.199.8>
 - Physical IP address



Networks

- Servers
 - * Your own home computer
 - If you're sharing files with someone else
 - * A single computer in a UW department
 - * A cluster of many computers (Dante)
 - Server software distributes the "load" among the servers
 - Server "farm" is across campus



SSH Secure File Transfer (SFTP)

- Copy files between two computers
- Use it at home or anywhere





Why use SFTP?

Advantages:

- Secure, encrypted transfers
- Remote access from anywhere
- Network space (storage/backup)

* Dante = 300MB

1 CD-ROM \approx 700MB

1 DVD \approx

Single-sided: 4700GB (4.6GB)

Double-sided: 9400GB (9.2GB)



What can I connect to?

- UW SFTP Servers
 - * dante.u.washington.edu for students
 - * homer.u.washington.edu for faculty & staff
- Maybe your own ISP?



SFTP Client/Server Model

Copy files to a server

and

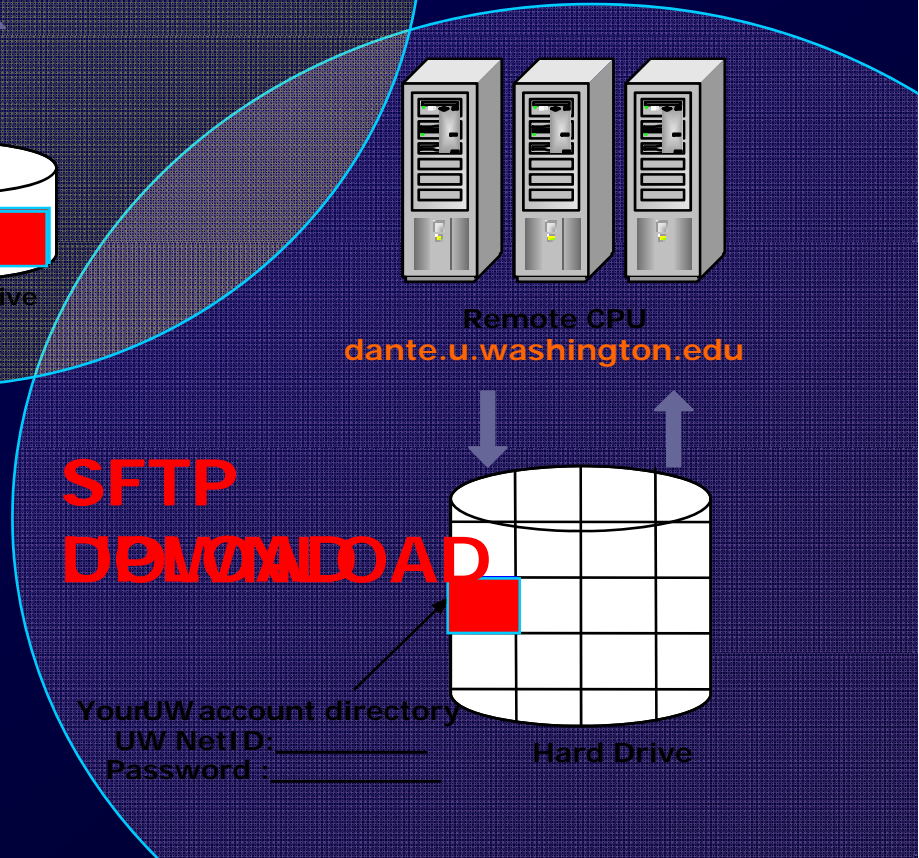
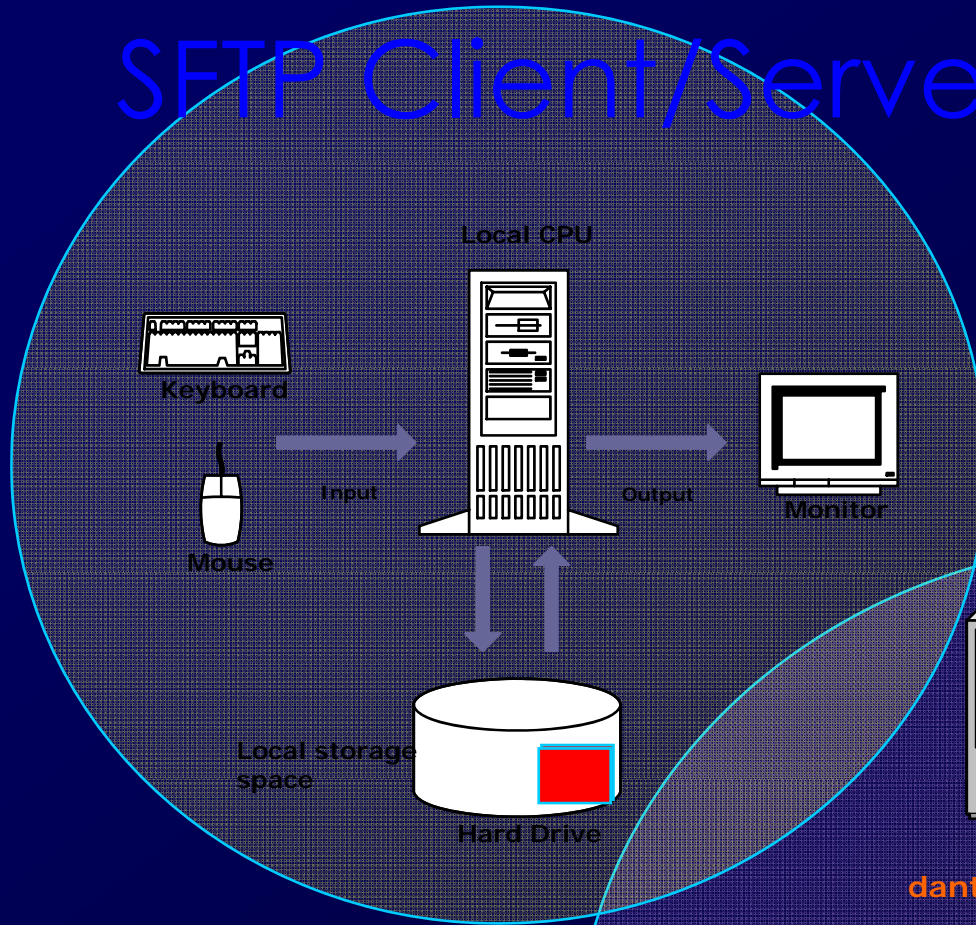
access them from

» Any computer!

» Anywhere!



SFTP Client/Server Model





SFTP Interface

homer.u.washington.edu - fit100 - SSH Secure File Transfer

File Edit View Operation Window Help

Quick Co

Local Computer

Remote Server

Local Name	Size	Type	Modified	Remote Name	Size	Type	Modified	Attributes
BootCamp		Folder	06/10/2003 04:50:...	_Grace		Folder	06/04/2003 11:47:...	drwxr-xr-x
DistanceCourses		Folder	05/14/2003 03:30:...	public_html		Folder	04/13/2003 08:25:...	drwxr-x---
DMLISCoordination		Folder	06/04/2003 04:30:...	public_media		Folder	05/25/2002 02:39:...	drwxr-x---
EDUCAUSE		Folder	02/18/2003 11:37:...	grades.pl	3,103	PL File	05/14/2003 05:01:...	-rw-r--r--
FIT100		Folder	06/10/2003 05:25:...	grades2.pl	3,153	PL File	05/14/2003 04:55:...	-rw-r--r--
HollyTeachBCC		Folder	06/10/2003 03:11:...	grades3.txt	13,967	Text ...	05/14/2003 04:51:...	-rw-r--r--
LIS540		Folder	06/10/2003 09:2...					
LIS541		Folder	05/08/2003 06:27:...					
TASstuff		Folder	04/29/2003 03:22:...					
FIT100Numbers_Majors...	28...	Microsof...	03/18/2003 11:52:...					
JohnStephensNumbers....	44...	Microsof...	03/18/2003 11:55:...					
KateMcDillTestDB.mdb	1,...	Microsof...	03/27/2003 05:24:...					
lecture1_Melody.doc	67...	Microsof...	01/07/2003 12:36:...					

Transfer | Queue |

Connected to homer.u.washington.edu - /ifs/aesop10/rc35/d78/fit100

SSH2 - blowfish-cbc - hmac-md5 - none 6 items (20.2 KB)



Video

- Warriors of the Net



One Liner

- One sentence
 - * Most interesting part of the video



Quick Write

- Two paragraphs
- Five minutes
- Topic:
 - * How does the World Wide Web use the Internet and the http protocol?



Announcements

- Chapter 6 for Monday
- Due before Noon
 - * Labs 3 and 4
 - * HW2