Appendix D Obtaining NCSA Software

Overview

This appendix uses NCSA HDF to outline the procedures for obtaining NCSA software via FTP, an archive server, or by regular mail.

Obtaining NCSA Software

FTP

If you are connected to Internet (NSFNET, ARPANET, MILNET, etc.) you can download HDF software and documentation at no charge from an anonymous file transfer protocol (FTP) server at NCSA. The steps you should follow to do so are enumerated below. If you have any questions regarding the connection or procedure, consult your local system administrator or network expert.

1. Log on to a host at your site that is connected to Internet and is running software supporting the FTP command.

2. Invoke FTP on most systems by entering the Internet address of the server:

   ```
   % ftp ftp.ncsa.uiuc.edu
   ```

   or

   ```
   % ftp 128.174.20.50
   ```

3. Log in by entering **anonymous** for the name.

4. Enter your name for the password.

5. Enter **get README.FIRST** to transfer the instructions file (ASCII) to your local host.

6. Enter **quit** to exit FTP and return to your local host.

7. Review the README.FIRST file for complete instructions concerning the organization of the FTP directories and the procedures you should follow to download the README files specific to the application you want.

Your login session should resemble the following sample, where the remote user's name is *smith* and user entries are indicated in boldface type.

```
harriet_51%  ftp ftp.ncsa.uiuc.edu
Connected to zaphod.
220 zaphod FTP server (Version 4.173 Tue Jan 31 08:29:00 CST 1989)
ready.
Name (ftp.ncsa.uiuc.edu: smith):  anonymous
331 Guest login ok, send ident as password.
Password:  smith
230 Guest login ok, access restrictions apply.
ftp>  get README.FIRST
200 PORT command successful.
150 Opening ASCII mode data connection for README.FIRST (10283
bytes).
226 Transfer complete.
local:  README.FIRST  remote:  README.FIRST
11066 bytes received in .34 seconds (32 Kbytes/s)
ftp>  quit
221 Goodbye.
harriet_52%
```

The README.FIRST file instructs you to copy the HDF README file to your directory and read it before proceeding. Your FTP session should resemble the one listed below:

```
ftp>    cd HDF
250 CWD command successful.
ftp>    get README
200 PORT command successful.
150 Opening ASCII mode data connection for README (10283 bytes)
226 Transfer complete.
local:  README remote:  README
2080 bytes received in .14 seconds (15 Kbytes/s)
ftp>    quit
221 Goodbye.
harriet_52%
```

The HDF README file explains how to copy the contents of the HDF directory to your home directory via remote login or anonymous FTP. The precise file transfer procedure varies according to the type of operating system under which you will use HDF—UNICOS or other.

Archive Server

To obtain NCSA software via an archive server:

1. E-mail a request to:

   archive-server@ncsa.uiuc.edu

2. Include in the subject or message line, the word "**help**."

3. Press RETURN.

4. Send another e-mail request to:

   archive-server@ncsa.uiuc.edu

5. Include in the subject or message line, the word "**index**."

6. Press RETURN.

For example, if you use the UNIX mailing system, your login session should resemble the following sample, where user entries are indicated in boldface type.

```
yoyodyne_51% mail archive-server@ncsa.uiuc.edu
Subject:  help

.
EOT
Null message body; hope that's ok
yoyodyne_52% mail archive-server@ncsa.uiuc.edu
Subject:  index
.
EOT
Null message body; hope that's ok
```

The information you receive from both the help and index commands will give you further instructions on obtaining NCSA software. This controlled-access server will e-mail the distribution to you one segment at a time.

Mail

HDF software and manuals are available for purchase—either individually or as part of the anonymous FTP reel or cartridge tapes—through the NCSA *Technical Resources Catalog*. Orders can only be processed if accompanied by a check in U.S. dollars made out to the University of Illinois. To obtain a catalog, contact:

NCSA Documentation Orders
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