

Remote login — telnet, ssh

`telnet host` enables remote text-only communication with *host*.

`ssh` is somewhat similar to `telnet`, but it also provides:

- Encryption — all the transmitted information is encrypted using strong encryption.
- Alternative methods of authentication — `telnet` can only do password-based authentication (it's also potentially capable of Kerberos authentication, but that is rarely enabled), but `ssh` can also do user-level and host-level public key authentication.
- Compression — `ssh` can compress all the transmitted data (`-C` option).
- TCP/IP and X11 forwarding.

Console Web browsing — Lynx

`Lynx URL` goes to `URL`. `Lynx` can be used both interactively and in scripts.

Non-interactive usage:

```
Lynx -dump URL dumps the formatted contents of the URL
Lynx -dump -source URL dumps the HTML source
Lynx -mime header URL dumps the HTTP header and the HTML source
```

On-line manuals — man

The best way of learning `man` is to run `man man` and let it speak for itself.

Note that the manual pages are also available via a Web interface on `babbage` — `http://www.csuglab.cornell.edu/cgi-bin/data0/man.cgi`

Copying files between machines — scp

`scp` is implemented on top of `ssh`. Similarly to `cp`, `scp oldLocation newLocation` copies a file and `scp file1 file2 ... directory` copies files into a directory. Files and directories can be specified as:

- `path` (absolute or relative) — local files and directories.
- `host:path` or `user@host:path` — remote files and directories. If `path` is relative, it's taken relative to home directory on `host`.

Console mail reader (MUA) — pine

It's hard to say anything about `pine` other than "just go ahead and use it". All enabled `pine` capabilities are always listed in its on-screen menus. To enable the disabled options, go to the `config` submenu of Setup submenu of the Main menu. Note: some features might be disabled by system administrator and can not be re-enabled by users.

On `babbage.csuglab.cornell.edu` `pine` is installed as `~/cs114/bin/pine`