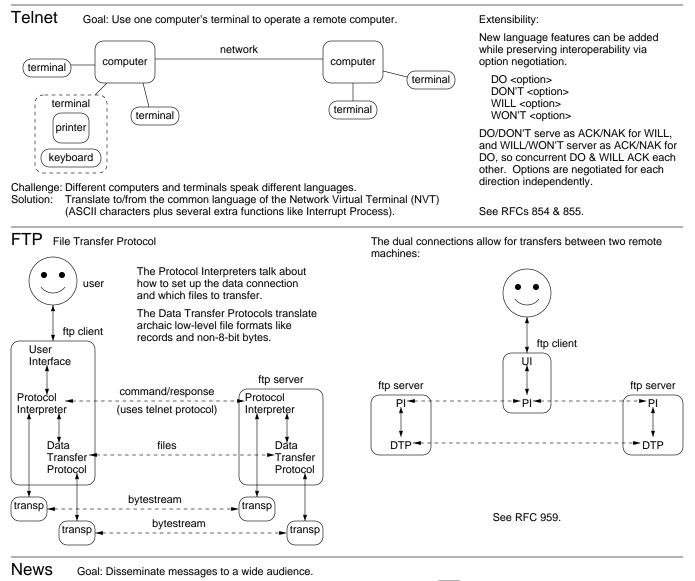
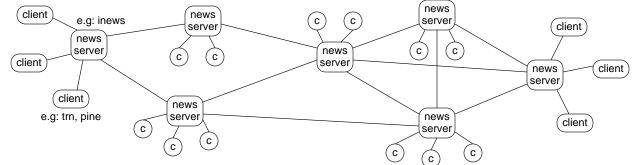
Telnet, FTP, News Adam M. Costello <amc@cs.berkeley.edu> 1999-Sep-05-Sun





News articles are RFC 822 messages (like email) with some extra header fields, for example:

Path:last host, previous host, ..., first hostNewsgroups:forums where message appearsFollowup-To:appropriate forums for repliesDistribution:optional: subset of UsenetOrganization:author's organizationLines:number of lines in body

See RFC 1036.

Generally every article is pushed to every server, then pulled by interested clients from their local server. Articles propagate by "flooding' (sending to every neighboring server) via various transports, like UUCP and email, but mostly the Network News Transfer Protocol (NNTP) (RFC 977), which is similar to SMTP. NNTP is interactive and avoids sending duplicate articles via different paths by comparing Message-ID header fields. For one-way transports the Path header field helps avoid some duplicates, but some arrive and are discarded. Servers "expire" (discard) all messages after some time limit (e.g. a week). Most clients use NNTP to fetch articles from servers.