Berkeley Network Quick Reference

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Command Summary	**Example**	**Explanation**
netcp *fromfile tofile*	% netcp defs.h C:defs.h	copy defs.h to C machine
	% netcp A:fig1 fig1	copy from A to here
	% netcp Cory:q1 D:q1	copy from Cory to D
mail *mach:user*	% mail A:alan	send mail to ‘‘alan’’ on A
	% mail A:alan C:george	multiple recipients
netmail [−**c**] [*mach*]	% netmail Cory	read mail on Cory machine
	% netmail −c Cory:usern	check mail on Cory machine
netlpr [−**m** *mach*] *file*	% netlpr −m D p1.p	print p1.p on D lineprinter
netq [−**a**] [*mach*]	% netq	list network queue
	% netq −a Cory	... all files to Cory
netrm [−] [*code*]	% netrm −	remove the user’s requests
net [−**m** *mach*] [−] *command*	% net −m A who	send who to A machine
	% net − −mA lpr <f1	*lpr* file ‘‘f1’’ on A

The *netcp, netmail, netlpr,* and *net* commands need remote login names and passwords. They may be provided when prompted-for on the terminal, on the command line, or in a ‘‘.netrc’’ file in the user’s login directory.

Other Options

−**l** *login*	login name on remote machine
−**p** *password*	password on remote machine
−**f**	prompt for login name and password
−**n**	mail back rather than write back
−**q**	silent mode– no messages sent back
−**m** *mach*	send to *mach* (only for *net, netlpr*)
−	input from standard input (only for *net*)

Example .netrc file:

```
default Z
machine Y login dracula
machine Z login schmidt, quiet yes
```

.netrc options for each machine

Option	Parameter	Default	Comment
login	name	localname	login name for remote machine
password	password	(none)	password for remote login name
command	command	(none)	default command to be executed
write	yes/no	yes	if possible, write to user
force	yes/no	no	always prompt for name and password
quiet	yes/no	no	like the −**q** option

The Current State of the Berkeley UNIX Network

Machine Name	Internal Name	Run By	Default Machine	Other Name(s)
A	A	Computer Center	C	
B	B	Computer Center	D	
C	C	Computer Center	A	
D	D	Computer Center	C	
E	E	Computer Center	C	
Ing70	I	INGRES Group	IngVAX	Ingres
IngVAX	J	INGRES Group	Ing70	
Image	M	Sakrison	ESVAX	
ESVAX	O	EE-CE Research	CSVAX	
SRC	S	Survey Res. Cent.	D	
CSVAX	V	CS Research	Cory	
Cory	Y	EECS Dept.	CSVAX	
EECS40	Z	EECS Dept.	ESVAX	

Topology

The links between Ing70–IngVAX, Ing70–CSVAX, A–C, C–D, C–E, and B–D run at 9600 Baud, the other links run at 1200 Baud.

Free Commands (login as ‘‘network’’, no password).

bpq	netlog	rcs	vpq	whom
epq	netq	rcslog	w	write
finger	ps	rcsq	where	yank
lpq	pstat	trq	who	

Mail is free to any machine. *netlpr* is free between Computer Center machines. The *lpr* command is free on the INGRES machines. The EECS40 has no free commands (except for remote mail).