Syntax

```
nc [options] host port
```

UDP Connection

```
nc -u host port
```

Default for netcat is TCP.

Port Scanning

```
nc -z -v 192.168.1.2 21-80
```

nc: connect to 192.168.1.1 port 21 (tcp) failed: Connection refused

Connection to 192.168.1.1 22 port [tcp/ssh] succeeded!

nc: connect to 192.168.1.1 port 23 (tcp) failed: Connection refused

...

nc: connect to 192.168.1.1 port 79 (tcp) failed: Connection refused

Connection to 192.168.1.1 80 port [tcp/http] succeeded!

Server Details

```
echo "EXIT" | nc 192.168.1.1 22
```

SSH-2.0-OpenSSH_7.2p2 Ubuntu-4ubuntu2.8
Protocol mismatch.

Sending/Receiving

Receiving	nc -l 5555 > file_name
Sending	nc receiving.host.com 5555 < file_name

Sending/Receiving Multiple Files

Receiving	nc -l 5555	tar xzvf -
Sending	tar czvf - /path/to/dir	nc receiving.host.com 5555

SImple Chat Server

Server	nc -l 5555
Client	nc first.host.com 5555

To close the connection, type CTRL+C

HTTP Request

```
printf "GET /nc.1 HTTP/1.1\r\nHost: man.openbsd.org\r\n\r\n" | nc man.openbsd.org 80
```

Information

```
man nc
```

Credit: https://linuxize.com/post/netcat-nc-command-with-examples/