

## Point-to-Point Protocol

### Main Goals

1. Server configuration
2. Client configuration

### Documentation

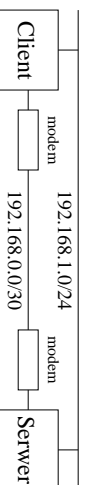
- manual man aspppd

### Editor

- vi

*Note: all blank spaces in files must be white space characters.*

## Sequence of Events



1. Server waits for clients
2. Client connects to the server
3. Server asks client for login-name and password
4. Client logs into the server
5. Server establishes proper interface ipd?
6. The connection is established

## Client and Server Configuration

```
File /etc/hosts:
#
# Internet host table
127.0.0.1    localhost
192.168.1.4  net04      loghost # IP for ethernet
192.168.0.1  client-ppp # IP for PPP connection
192.168.0.2  server-ppp # IP for PPP connection
```

## Server Configuration

```
File /etc/asppp.cf:
ifconfig ipd0 plumb server-ppp netmask 255.255.252 up
path
interface ipd0
peer_system_name client
peer_ip_address client-ppp
inactivity_timeout 120
Creating an account: files /etc/passwd and /etc/shadow:
client:x:105:60001:::/usr/sbin/aspppls
client:AtMn4ITa3hMEK:9450:.....
Change password for user client to ppp
```

## Client Configuration

*File /etc/asppp.cf:*

```
ifconfig ipdptp0 plumb client-ppp server-ppp up
```

path

```
interface ipdptp0
```

```
peer_system_name server-ppp
```

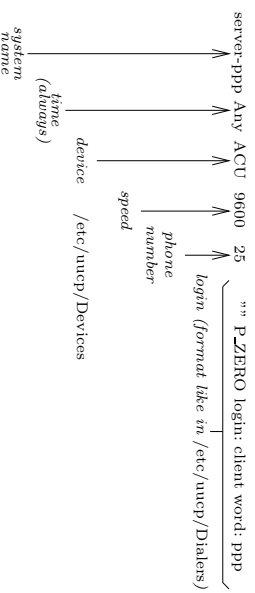
```
inactivity_timeout 120
```

```
debug_level 8
```

File /etc/uucp/Systems:

```
server-ppp Any ACU 9600 25 "" P_ZERO login: client word: ppp
```

## Structure of /etc/uucp/Systems



*Note: look at /etc/uucp/Dialers and /etc/uucp/Devices.*

## Configuration Testing

1. Type `/etc/init.d/asppp start` to run PPP daemon.

2. Check `/var/adm/Log/asppp.log` for errors.

*Note: use `tail -f command`*

3. If there is something wrong stop PPP daemon by typing `/etc/init.d/asppp stop`

4. On client type `ping -sn server-ppp` and check whether connection is being established. If not clear errors and try again.