UNIX Domain Sockets

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Unix Domain Socket Address Structure

path name must be null terminated

UNIX Domain Server

```
struct sockaddr_un server_addr;
    char *filename = "/tmp/unix-socket";
 3
    // setup socket address structure
    bzero(&server_addr, sizeof(server_addr));
    server\_addr.sun\_family = AF\_UNIX;
    strncpy(server\_addr.sun\_path, filename, sizeof(server\_addr.sun\_path) - 1);
8
    // create socket
    server_ = socket(PF_UNIX,SOCK_STREAM,0);
10
    if (!server_) {
11
12
        perror("socket");
        exit(-1):
13
14
```

- no changes to bind() and listen()
- call unlink(filename) when finished with socket

UNIX Domain Client

- initialize socket address the same as the server
- create socket the same as the server
- use connect() like an Internet socket client

Example

• See UNIX echo server and client on github.

