

UDP 编程框架

服务器

```
#include <winsock2.h>
#include <stdio.h>

#define PORT 1355
#define LEN 256

int main ()
{
    WSADATA wsaData;
    SOCKET ss;
    sockaddr_in in,from;
    char buf[LEN] = {0};
    int namelen, len;

    WSStartup(MAKEWORD(2,2), &wsaData);
    ss = socket(AF_INET, SOCK_DGRAM, 0);
    memset (&in, 0, sizeof(in));
    in.sin_family = AF_INET;
    in.sin_port = htons(PORT);
    in.sin_addr.s_addr = inet_addr("127.0.0.1");
    bind(ss, (sockaddr *)&in, sizeof(in));
    memset (&from, 0, sizeof(from));
    namelen = sizeof(from);

    /* recv buf */
    len = recvfrom(ss, buf, LEN, 0, (sockaddr *)&from, &namelen);
    printf ("Recv:%s\n", buf);
    /* send buf */
    sendto(ss, buf, sizeof(buf), 0, (sockaddr *)&from, sizeof(from));

    WSACleanup();
}
```

UDP 编程框架

客户端

```
#include <winsock2.h>
#define PORT 1355
```

```
int main ()
{
    WSADATA wsaData;
    SOCKET sc;
    sockaddr_in to, fromserver;
    int len, namelen;

    WSAStartup(MAKEWORD(2,2), &wsaData);
    sc = socket(AF_INET, SOCKDGRAM, 0);
    memset (&to, 0, sizeof(to));
    to.sin_family = AF_INET;
    to.sin_port = htons(PORT);
    to.sin_addr.s_addr = inet_addr("127.0.0.1");
    memset (&fromserver, 0, sizeof(fromserver));

    len = sendto(sc, "HELLO", strlen("HELLO"), 0, (sockaddr *)&to, sizeof(to));
    namelen = sizeof(fromserver);
    recvfrom(sc, buf, sizeof(buf), 0, (sockaddr *)&fromserver, &namelen);
    WSACleanup();
}
```