(E)glibc 源码阅读

——笔记

刘宇辉 wolfpythonlondon@gmail.com

October 30, 2011

1　socket API

```c
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
#include <arpa/inet.h>
#include <stdio.h>

int main( void )
{
        struct sockaddr_in peer;
        int s;
        int rc;
        char buf[ 1 ];

        peer.sin_family = AF_INET;
        peer.sin_port = htons( 7500 );
        peer.sin_addr.s_addr = inet_addr( "127.0.0.1" );

        s = socket( AF_INET, SOCK_STREAM, 0 );
        if ( s < 0 )
        {
                perror( "socket call failed" );
                exit( 1 );
        }
/*@.bp*/
        rc = connect( s, ( struct sockaddr * )&peer, sizeof( peer ) );
        if ( rc )
        {
                perror( "connect call failed" );
```

```c
29              exit( 1 );
30          }
31      rc = send( s, "1", 1, 0 );
32      if ( rc <= 0 )
33      {
34              perror( "send call failed" );
35              exit( 1 );
36      }
37      rc = recv( s, buf, 1, 0 );
38      if ( rc <= 0 )
39              perror( "recv call failed" );
40      else
41              printf( "%c\n", buf[ 0 ] );
42      exit( 0 );
43  }
```

Listing 1: simplec.c