Documentazione Programmazione Socket

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//Structures for handling internet addresses
struct sockaddr_in {// ...
      short sin_family; // e.g. AF_INET, AF_INET6
      unsigned short sin\_port; // e.g. htons(3490)
      struct in_addr sin_addr; // see struct in_addr };
struct in_addr{ unsigned long s_addr; //e.g. INADDR_ANY };
//Structure for handling host names
struct hostent{// ...
      char *h_name; // The real canonical host name.
      int h_addrtype; // The result's address type, e.g. AF_INET
      int length; // The length of the addresses in bytes, which is 4 for IP (version 4) addresses.
      h_{addr}; //An IP address for this host. };
int socket(int domain, int type, int protocol); //Allocate a socket descriptor
//Accept an incoming connection on a listening socket
int accept(int sockfd, struct sockaddr *addr, socklen_t *addrlen);
//Associate a socket with an IP address and port number
int bind(int sockfd, struct sockaddr *my_addr, socklen_t addrlen);
int connect(int sockfd, const struct sockaddr *addr, socklen_t addrlen); //Connect - initiate a connection on a socket
int close(int sockfd); //Close a socket descriptor
struct hostent *gethostbyname(const char *name); // Get an IP address for a hostname
//Convert multi-byte integer types from host byte order to network byte order
uint32_t htonl(uint32_t hostlong):
uint16_t htons(uint16_t hostshort);
uint32_t ntohl(uint32_t netlong);
uint16_t ntohs(uint16_t netshort);
//Convert IP addresses to human-readable form and back
const char *inet_ntop(int af, const void *src, char *dst, socklen_t size);
int inet_pton(int af, const char *src, void *dst);
int listen(int sockfd, int queuelength); // Tell a socket to listen for incoming connections
ssize_t recv(int sockfd, void *buf, size_t len, int flags); //Receive data on a socket
ssize_t send(int sockfd, const void *buf, size_t len, int flags); //Send data out over a socket
//Receive data on a socket
ssize_t recvfrom(int sockfd, void *buf, size_t len, int flags, struct sockaddr *src_addr, socklen_t *addrlen);
//Send data out over a socket
ssize_t sendto(int sockfd, const void *buf, size_t len, int flags, const struct sockaddr *dest_addr, socklen_t addrlen);
ssize_t read (int fd, void *buf, size_t count); //Read data from a stream socket
ssize_t write (int fd, const void *buf, size_t count); // Write data on a stream socket
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Utility Functions

void bzero(void *s, size_t n); //Set the first n bytes of the area starting at s to zero

void bcopy(const void *src, void *dest, size_t n); // $Copy \ n \ bytes \ from \ src \ to \ dest.$

int strcmp(const char *s1, const char *s2); // Compare the two strings s1 and s2. int strncmp(const char *s1, const char *s2, size_t n); // Compare the first n byte of s1 and s2.