무료 전자 책

배우기

dns

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1: DNS

DNS (Domain Name System) IP . RFC 1034 RFC 1035 .

(.) . 63 255 .

DNS " ", (TLD) (: `com` , `uk`) . " (endian) " TLD . TLD . .

Examples

C

`getaddrinfo()` POSIX . DNS, `/etc/hosts` , mDNS `/etc/hosts` .

IPv4 IPv6 `gethostbyname()` (: `http` 80)

```
#include <sys/types.h>
#include <sys/socket.h>
#include <netdb.h>

...

struct addrinfo hints;
struct addrinfo *result;
int r;

memset(&hints, 0, sizeof(hints));
hints.ai_family = AF_UNSPEC;           // allow IPv4 or IPv6
hints.ai_socktype = SOCK_STREAM;       // make a stream (TCP) connection

r = getaddrinfo(hostname, "http", &hints, &result);
if (r != 0) {
    fprintf(stderr, "getaddrinfo: %s\n", gai_strerror(r));
} else {
    // iterate over the linked list
    for (struct addrinfo *rp = result; rp != NULL; rp = rp->ai_next) {
        // use rp fields to create a socket and connect to it
    }
    freeaddrinfo(result);
}
```

DNS : https://riptutorial.com/ko/dns/topic/5356/dns-

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