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dns

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# 1: dns

DNS IP。 RFC 1034 RFC 1035。

.。 63255。

DNS ""TLD com uk。 ""endian""TLD。 TLD。

## Examples

### C

getaddrinfo() POSIX。 DNS /etc/hosts mDNS。

gethostbyname() IPv4 IPv6 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/zh-TW/dns/topic/5356/dns>

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