

Exemplos de resolução de nomes

Resolução direta

direct-dns.c

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

int main (int argc, char *argv[])
{
    struct hostent *host ;
    struct in_addr address ;
    int i ;

    if (argc != 2)
    {
        fprintf (stderr, "Uso: resolve nome ");
        exit (1);
    }

    host = gethostbyname (argv[1]) ;
    if ( ! host )
    {
        perror ("gethostbyname");
        exit (1);
    }

    printf ("Endereços:\n") ;
    for (i=0; host->h_addr_list[i]; i++)
    {
        bcopy (host->h_addr_list[i], &address, host->h_length);
        printf (" %s\n", inet_ntoa (address)) ;
    }
}
```

Resolução reversa

reverse-dns.c

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

int main (int argc, char *argv[])
{
    struct hostent *host ;
    struct in_addr address ;
    int i ;
```

```
if (argc != 2)
{
    fprintf (stderr, "Uso: resolver nome ");
    exit (1);
}

if ( ! inet_aton (argv[1], &address) )
{
    perror ("inet_aton") ;
    exit (1) ;
}

host = gethostbyaddr (&address, sizeof (address), AF_INET) ;
if ( ! host )
{
    perror ("gethostbyaddr");
    exit (1);
}

printf ("Nome principal: %s\n", host->h_name) ;

printf ("Outros nomes :\n") ;
for (i=0; host->h_aliases[i]; i++)
    printf (" %s\n", host->h_aliases[i]) ;
}
```

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