

AIX: Configuring a network interface

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AIX: Configuring a network interface

```
# Tested on AIX 6.1

# Given following interface (no matter if it is already configured or not):

ifconfig en3
    en3: flags=1e080822,480<BROADCAST,NOTRAILERS,SIMPLEX,MULTICAST,GROUPRT,64BIT,CHECKSUM_OFFLOAD(ACTIVE),CHAIN>

# or

ifconfig en3
    en3: flags=1e084863,480<UP,BROADCAST,NOTRAILERS,RUNNING,SIMPLEX,MULTICAST,GROUPRT,64BIT,CHECKSUM_OFFLOAD(ACTIVE),CHAIN>
        inet 192.165.32.181 netmask 0xffffffff broadcast 192.165.33.255
        tcp_sendspace 262144 tcp_recvspace 262144 rfc1323 1

# I'd like to set its address IP to 192.168.32.181, netmask 255.255.255.252, for instance

# Either I use 'smitty' interface:

smitty mktcpip

1.- Select network interface to modify
```

[illegible]

2.- Note that default values for DNS server, domain and gateway, if globally set, are already set in following screen. They are set or not, we may change them, as well as the rest of parameters:

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

```
Fields]                                     [Entry
* HOSTNAME                                     [myhostname]
* Internet ADDRESS (dotted decimal)
[192.168.32.181]          <----
  Network MASK (dotted decimal)
[255.255.255.252]        <----
* Network INTERFACE                                     en3
  NAMESERVER
    Internet ADDRESS (dotted decimal)
[10.11.16.382]          <---- opt.
    DOMAIN Name
[mydomain.mycompany.es] <---- opt.
  Default Gateway
    Address (dotted decimal or symbolic name)
[10.148.656.267]        <---- opt.
    Cost                                     [0]
    Do Active Dead Gateway Detection?       no
  Your CABLE Type                             N/A
  START TCP/IP daemons Now                  no
```

3.- Press **enter** to confirm changes

Command: OK stdout: yes stderr: no

Before command completion, additional instructions may appear below.

```
en3
x64lmwbikr5
inet0 changed
en3 changed
inet0 changed
```

or I run following command:

```
mktcpip -h x64lmwbikr5 -a 192.165.32.181 -m 255.255.255.252 -i en3
```

Optionally, I could have used '-n', '-d' or '-g' to modify DNS server, domain or gateway if needed:

```
mktcpip -h myhostname -a 192.168.32.181 -m 255.255.255.252 -i en3 -n 10.11.16.382 -d mydomain.mycompany.es -g 10.148.656.267
```

Check:

```
ifconfig en3
```

```
en3: flags=1e084863,480<UP,BROADCAST,NOTRAILERS,RUNNING,SIMPLEX,MULTICAST,GROUPRT,64BIT,CHECKSUM_OFFLOAD(ACTIVE),CHAIN>
```

```
    inet 192.165.32.181 netmask 0xffffffff broadcast
```

```
192.165.32.183
```

```
    tcp_sendspace 262144 tcp_recvspace 262144 rfc1323 1
```

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