

IP-Aliasing:

IP-aliases are an obsolete way to manage multiple IP-addresses/masks per interface. Newer tools such as `iproute2` support multiple address/prefixes per interface, but aliases are still supported for backwards compatibility.

An alias is formed by adding a colon and a string when running `ifconfig`. This string is usually numeric, but this is not a must.

- o Alias creation.

Alias creation is done by 'magic' interface naming: eg. to create a 200.1.1.1 alias for eth0 ...

```
# ifconfig eth0:0 200.1.1.1 etc,etc...
# -> request alias #0 creation (if not yet exists) for eth0
```

The corresponding route is also set up by this command.
Please note: The route always points to the base interface.

- o Alias deletion.

The alias is removed by shutting the alias down:

```
# ifconfig eth0:0 down -> will delete alias
```

- o Alias (re-)configuring

Aliases are not real devices, but programs should be able to configure and refer to them as usual (ifconfig, route, etc).

- o Relationship with main device

If the base device is shut down the added aliases will be deleted too.