

# IPv6

Options for the `ipv6` module are supplied as parameters at load time.

Module options may be given as command line arguments to the `insmod` or `modprobe` command, but are usually specified in either `/etc/modules.d/*.conf` configuration files, or in a distro-specific configuration file.

The available `ipv6` module parameters are listed below. If a parameter is not specified the default value is used.

The parameters are as follows:

## `disable`

Specifies whether to load the IPv6 module, but disable all its functionality. This might be used when another module has a dependency on the IPv6 module being loaded, but no IPv6 addresses or operations are desired.

The possible values and their effects are:

0

IPv6 is enabled.

This is the default value.

1

IPv6 is disabled.

No IPv6 addresses will be added to interfaces, and it will not be possible to open an IPv6 socket.

A reboot is required to enable IPv6.

## `autoconf`

Specifies whether to enable IPv6 address autoconfiguration on all interfaces. This might be used when one does not wish for addresses to be automatically generated from prefixes received in Router Advertisements.

The possible values and their effects are:

0

IPv6 address autoconfiguration is disabled on all interfaces.

Only the IPv6 loopback address (`::1`) and link-local addresses will be added to interfaces.

1

IPv6 address autoconfiguration is enabled on all interfaces.

This is the default value.

## `disable_ipv6`

Specifies whether to disable IPv6 on all interfaces. This might be used when no IPv6 addresses are desired.

The possible values and their effects are:

0

IPv6 is enabled on all interfaces.

This is the default value.

1

IPv6 is disabled on all interfaces.

No IPv6 addresses will be added to interfaces.