

MPLS Sysfs variables

/proc/sys/net/mpls/* Variables:

platform_labels - INTEGER

Number of entries in the platform label table. It is not possible to configure forwarding for label values equal to or greater than the number of platform labels.

A dense utilization of the entries in the platform label table is possible and expected as the platform labels are locally allocated.

If the number of platform label table entries is set to 0 no label will be recognized by the kernel and mpls forwarding will be disabled.

Reducing this value will remove all label routing entries that no longer fit in the table.

Possible values: 0 - 1048575

Default: 0

ip_ttl_propagate - BOOL

Control whether TTL is propagated from the IPv4/IPv6 header to the MPLS header on imposing labels and propagated from the MPLS header to the IPv4/IPv6 header on popping the last label.

If disabled, the MPLS transport network will appear as a single hop to transit traffic.

- 0 - disabled / RFC 3443 [Short] Pipe Model
- 1 - enabled / RFC 3443 Uniform Model (default)

default_ttl - INTEGER

Default TTL value to use for MPLS packets where it cannot be propagated from an IP header, either because one isn't present or ip_ttl_propagate has been disabled.

Possible values: 1 - 255

Default: 255

conf/<interface>/input - BOOL

Control whether packets can be input on this interface.

If disabled, packets will be discarded without further processing.

- 0 - disabled (default)
- not 0 - enabled