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