

# CiscoIOSSpecific

## OS-specific Tuning: Cisco IOS

- [Cisco IOS specific Tuning](#)
- [TCP MSS Adjustment](#) The TCP MSS Adjustment feature enables the configuration of the maximum segment size (MSS) for transient packets that traverse a router, specifically TCP segments in the SYN bit set, when Point to Point Protocol over Ethernet (PPPoE) is being used in the network. PPPoE truncates the Ethernet maximum transmission unit (MTU) 1492, and if the effective MTU on the hosts (PCs) is not changed, the router in between the host and the server can terminate the TCP sessions. The `ip tcp adjust-mss` command specifies the MSS value on the intermediate router of the SYN packets to avoid truncation.

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