

How do I modify the WSA MTU size to match the MTU used on routers?



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How do I modify the MTU size on WSA to match the MTU used on routers?

Environment: Cisco Web Security Appliance (WSA), WCCP used for traffic redirection

Symptoms: Router performance and/or network traffic is affected due to WSA using higher MTU, typically seen when WCCP redirection is involved.

When you use WCCP redirection on a router to send redirect traffic to WSA and the router uses a MTU size that is less than 'WSA MTU size + GRE headers', then you may need to lower the MTU size on WSA so that WSA's MTU is lower than router's MTU size + size of GRE headers.

- Typically this is needed when VPN traffic is being sent to WSA, which has a lower MTU than LAN traffic

By default, the MTU on WSA interface is **1500**.

You can change the MTU on WSA interface from CLI using the below steps:

1. `cli> etherconfig > MTU > <Specify the number for the respective interface>`
2. Specify the MTU
3. Press `<Enter>` until to return to original CLI prompt
4. Use `'commit'` and Press `<Enter>`

If you don't this, WCCP still works, but if there is a MTU mis-match then the router may do a lot of traffic processing in its CPU instead of a dedicated ASIC chip, which may cause undue strain on the router's CPU.