

MTU (Maximum Transmission Unit)

Restriction:

- Known issue:
 - It does not return failed if configure over-limit MTU size by SONIC-CLI, and the container will crash.(After 202012.2, we add the error handling for MTU configuration on SONIC-CLI.)

e.g: configure MTU 16000 on the interface.

```
admin@sonic:~$ show interface status Ethernet0
```

Interface	Lanes	Speed	MTU	FEC	Alias	Vlan	Oper	Admin	Type	Asym PFC
Ethernet0	1	10G	16000	none	Eth1/1(Port1)	routed	up	up	SFP/SFP+/SFP28	N/A

- Default setting:
 - MTU is 9100 by default
 - MTU range is 1500 to 9216.
- Currently modifying VLAN's MTU is unsupported; changing interface's MTU may disrupt VLAN-based sessions (e.g., MC-LAG).

After 202111.6 support VLAN's MTU

```
admin@sonic:~$ sudo config vlan mtu 10 8000
```

```
admin@sonic:~$ show vlan br --mtu
```

```
+-----+-----+-----+-----+
| VLAN ID | VLAN MTU | Ports   | Port MTU |
+=====+=====+=====+=====+
| 10      | 8000     | Ethernet10 | 8000     |
+-----+-----+-----+-----+
```

Procedure :

Step 1. Configure MTU 4000 on Ethernet0.

Example: MTU of Ethernet0 is 4000

```
admin@sonic:~$ sudo config interface mtu Ethernet0 4000
```

Step 2. Save the configuration to config_db.json

```
admin@sonic:~$ sudo config save -y
```

Step 3. Check MTU parameter

by SONiC show command.

```
admin@sonic:~$ show interfaces status Ethernet0
```

Interface	Lanes	Speed	MTU	Oper	FEC	Alias	Vlan	Oper	Admin	ProtoDown	Eff
Admin	Type	Asym PFC	Oper Speed								
Ethernet0	1	10G	4000	none	Eth1(Port1)	routed	down	up	False	up	N/A
N/A	10G										

MTU with PortChannel

- Edgecore SONiC version:

202111.2 ~ 202111.8

Restriction:

- Known issue:
Before the 202111.2 version, the PortChannel can not configure MTU by sonic command

Procedure :

Step 1. Configure MTU 4000 on PortChannel01.

Example: MTU of PortChannel01 is 4000

```
admin@sonic:~$ sudo config interface mtu PortChannel01 4000
```

Step 2. Save the configuration to config_db.json

```
admin@sonic:~$ sudo config save -y
```

Step 3. Check MTU parameter

by SONiC show command.

admin@sonic:~\$ **show inter status PortChannel01**

Interface	Lanes	Speed	MTU	Oper	FEC	Alias	Vlan	Oper	Admin	ProtoDown	Eff
Admin	Type	Asym	PFC	Oper	Speed						

PortChannel01	N/A	10G	4000	N/A	N/A	routed	down	up	False		
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