

## LinuxTweaks CAKE Traffic Shaping Settings

### Measured Speeds

Download: 54.31 Mbps

Upload: 18.87 Mbps

Ping: min 10 ms, avg 15 ms, max 53 ms

### Shaping Calculation (95%)

Shaped Download: 51.59 Mbps

Shaped Upload: 17.93 Mbps

RTT: 10 ms

Overhead: 44 bytes

### Final CAKE Commands

#### Downstream:

```
tc qdisc replace dev eno1 root cake bandwidth 51.59Mbit diffserv4 triple-isolate nat nowash ack-filter  
split-gso rtt 10ms overhead 44
```

#### Upstream (using IFB):

```
tc qdisc replace dev ifb4eno1 root cake bandwidth 17.93Mbit diffserv4 triple-isolate nat nowash  
ack-filter split-gso rtt 10ms overhead 44
```

Note: IFB (Intermediate Functional Block) is used to shape upload traffic.

Ensure IFB device (ifb4eno1) is created and attached via 'tc filter' for full CAKE control.