

Description

This feature introduces support for scaling both IPv4 and IPv6 hosts on our devices. Existing MDB profiles offer a maximum host scale of 128k with unique MAC rewrites. However, if hosts share the MAC rewrites, the scale can reach up to 204k.

To address this issue, we are introducing a new MDB profile that will support a host scale of up to 192k when each host has a unique MAC rewrite. If hosts share the MAC rewrites, the scale can reach up to 256k.

We can use this new MDB profile in conjunction with the CLI-driven FEC allocation feature for attached IPv4/IPv6 routes, as outlined in [Arista EOS 4.29.2F](#), to maximize scaling capabilities.

Platform compatibility

- DCS-7280CR3-36S-F
- DCS-7280CR3-36S-R
- DCS-7280CR3K-36S-F
- DCS-7280CR3K-36S-R

Feature History

Release	Update
4.33.1F	Initial introduction

Configuration

```
switch(config)#platform sand mdb profile l3-host-xl
! Change will take effect only after switch reboot.
switch(config)#
```

Show Commands

```
switch#show platform sand mdb profile
System profile: l3-host-xl
switch#
```

Troubleshooting

We can check resource usage and scaling in the system by using the following CLI command:

```
switch#show hardware capacity
```

Limitations

This MDB profile will be applicable to fixed systems.