

hw module

show hw-module maximum, .

show hw-module maximum ME :

ME5100S ME5200S:

0/ME5200:R4# show hw-module maximum
Thu Apr 25 06:33:35 2024
FLAGS: N/S - Not Supported
Transport-tunnels: MPLS transport tunnels, L3VPN service PHP tunnels
Service-tunnels: MPLS L2VPN service tunnels, L3VPN service non-PHP tunnels
Switch entries: MPLS Ingress Label Table

Shared resources

Resource	Current	Configured	Approx. Cap.	Used
-----	-----	-----	-----	-----
CPU punt entries	65536	65536	N/S	2
Ingress shapers	128	128	N/S	0
Service tunnels	6144	6144	N/S	1
Mirrors	15	N/S	N/S	0
TPID	3	N/S	N/S	1
VLAN profiles	8	N/S	N/S	2
Ingress rewrite	68	N/S	N/S	1
Egress rewrite	260	N/S	N/S	2
BFD timers	47	N/S	N/S	1
BFD local RX/TX timers	8	N/S	N/S	2
BFD source addresses	47	47	N/S	1
FEC	126970	N/S	N/S	1
ECMP	4094	N/S	N/S	0
Transport tunnels	2048	2048	N/S	33
IPv4 flows	0	0	N/S	0
IPv6 flows	0	0	N/S	0
IPv4 routes	1289709	1289709	1283688	5
IPv6 routes	32768	32768	596215	0
ACL entries	100	100	N/S	1
Flowspec resources	0	0	N/S	0
Flowspec ACL entries	32	32	N/S	N/S
ARP	53242	N/S	N/S	1
Interfaces	8192	N/S	N/S	39
VSI	8190	N/S	N/S	3
Switch entries	N/S	N/S	N/S	0
Policers	131068	N/S	N/S	0
Policing profiles	4092	N/S	N/S	0

ME5000M:

0/FMC0:DR1_17.141# show hw-module maximum

Thu Apr 25 13:29:58 2024

FLAGS: N/S - Not Supported

Transport-tunnels: MPLS transport tunnels, L3VPN service PHP tunnels

Service-tunnels: MPLS L2VPN service tunnels, L3VPN service non-PHP tunnels

Switch entries: MPLS Ingress Label Table

Shared resources

Resource	Current	Configured	Approx. Cap.	Used
CPU punt entries	32768	32768	N/S	0
Ingress shapers	128	128	N/S	0
Service tunnels	6144	6144	N/S	603
Mirrors	15	N/S	N/S	0
TPID	3	N/S	N/S	1
VLAN profiles	8	N/S	N/S	2
Ingress rewrite	68	N/S	N/S	1
Egress rewrite	260	N/S	N/S	2
BFD timers	8	N/S	N/S	4
BFD local RX/TX timers	8	N/S	N/S	3
FEC	27898	N/S	N/S	353
ECMP	1022	N/S	N/S	7

LC 0/1

Resource	Current	Configured	Approx. Cap.	Used
Transport tunnels	2048	2048	N/S	56
IPv4 flows	0	0	N/S	0
IPv6 flows	0	0	N/S	0
IPv4 routes	913408	4294967295	913408	147
IPv6 routes	32768	32768	30720	29
ACL entries	0	0	N/S	0
Flowspec resources	0	0	N/S	0
Flowspec ACL entries	32	32	N/S	N/S
ARP	20474	N/S	N/S	8
Interfaces	4096	N/S	N/S	25
BFD source addresses	47	47	N/S	4
VSI	4094	N/S	N/S	3
Switch entries	N/S	N/S	N/S	0
Policers	65534	N/S	N/S	0
Policing profiles	2046	N/S	N/S	0

LC 0/3

Resource	Current	Configured	Approx. Cap.	Used
Transport tunnels	2048	2048	N/S	56
IPv4 flows	0	0	N/S	0
IPv6 flows	0	0	N/S	0
IPv4 routes	913408	4294967295	913408	147
IPv6 routes	32768	32768	30720	29
ACL entries	0	0	N/S	0
Flowspec resources	0	0	N/S	0
Flowspec ACL entries	32	32	N/S	N/S
ARP	20474	N/S	N/S	8
Interfaces	4096	N/S	N/S	630
BFD source addresses	47	47	N/S	3
VSI	4094	N/S	N/S	8
Switch entries	N/S	N/S	N/S	0
Policers	65534	N/S	N/S	0
Policing profiles	2046	N/S	N/S	0

, ME5000M , (Shared resources) , LC (LC 0/1 LC 0/3).

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hw module:

CPU punt entries - , (ARP, NDP, ISIS, IGMP ..)

:

8 CPU punt entries(1 ipv4 ARP, 1 ipv6 NDP, 3 ISIS, 2 DHCP, 1 IGMP)

interface tengigabitethernet 0/0/2

ipv4 address 10.10.10.2/24

ipv6 address 1::1/126

exit

router igmp

interface tengigabitethernet 0/0/2

exit

exit

dhcp-server vrf default

interface tengigabitethernet 0/0/2

address-family ipv4

address-range 10.10.10.3-10.10.10.5

exit

router isis 1

interface loopback 1

address-family ipv4 unicast

exit

exit

interface tengigabitethernet 0/0/2

address-family ipv4 unicast

exit

point-to-point

exit

net 49.0000.0000.0000.0000.00

Transport tunnels - PHP , L3VPN PHP GRE .

FEC - FEC MPLS.

ECMP - , FEC RSVP .

reroute-optimization LDP , ecmp l3vpn L3VPN MPLS.

Switch entry - LSP , LDP RSVP.

Service tunnels - L3VPN PHP L2PW.

ARP - , ARP vrf, mgmt-intf.

Mirrors - , - (destination).

Interfaces - , , (Loopback bvi).

ACL entries - : ACL * ACL . IPvX flows IPvX routes.

IPv4 flows - netflow. , netflow, . IPvX flows IPvX routes.

IPv6 flows - IPv4 flows.

IPv4 routes - , ipv4 . IPvX flows IPvX routes.

IPv6 routes - IPv4 routes.

VSI - , , L3-, BGP AFI/SAFI MVPN.

Ingress shapers - , shape input service-policy input. .

TPID - tpid- (1 0x8100).

VLAN profiles - , .

Ingress rewrite - , .

Egress rewrite - Ingress rewrite.

BFD timers - bfd tx-. , , bfd.

BFD local RX/TX timers - bfd tx rx-. .

BFD source addresses - , bfd src .

Policing profiles - , rate-limit, acl-rate-limit rate burst, storm-control(bridge domain qos) .

Policers - , rate-limit, acl-rate-limit , storm control .

, bundle 2 Policing profiles Policers .

. acl-qos acl-default acl-entries + ipv4 flows - , ipv4 flows (acl-entries).

:

```
0/ME5200S:E0S# show running-config hw-module
hw-module enable acl-qos
hw-module maximum acl-entries 10
hw-module maximum ipv4 flows 441520
```

ipv4 flows :

```
0/ME5200S:E0S# show hw-module maximum
FLAGS: N/S - Not Supported
Transport-tunnels: MPLS transport tunnels, L3VPN service PHP tunnels
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Switch entries: MPLS Ingress Label Table
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Shared resources

Resource	Current	Configured	Approx. Cap.	Used
CPU punt entries	65536	65536	N/S	8
Ingress shapers	128	128	N/S	0
Service tunnels	6144	6144	N/S	1
Mirrors	15	N/S	N/S	1
TPID	3	N/S	N/S	3
VLAN profiles	8	N/S	N/S	1
Ingress rewrite	68	N/S	N/S	1
Egress rewrite	260	N/S	N/S	1
BFD timers	8	N/S	N/S	2
BFD local RX/TX timers	8	N/S	N/S	2
BFD source addresses	47	47	N/S	1
FEC	126970	N/S	N/S	1
ECMP	4094	N/S	N/S	0
ACL entries	10	10	N/S	0
Transport tunnels	2048	2048	N/S	33
IPv4 flows	16384	441520	N/S	0 <<<<<<
IPv6 flows	0	0	N/S	0
IPv4 routes	1289709	1289709	4108434	4
IPv6 routes	32768	32768	1908182	3
ARP	53242	N/S	N/S	1
Interfaces	8192	N/S	N/S	39
VSI	8190	N/S	N/S	3
Switch entries	N/S	N/S	N/S	0
Policers	65534	N/S	N/S	0
Policing profiles	2046	N/S	N/S	0

:

```
0/ME5200S:E0S# show running-config hw-module
hw-module enable acl-default
hw-module maximum acl-entries 10
hw-module maximum ipv4 flows 441520
```

ipv4 flows :

```
0/ME5200S:E0S# show hw-module maximum
FLAGS: N/S - Not Supported
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Switch entries: MPLS Ingress Label Table
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Shared resources

Resource	Current	Configured	Approx. Cap.	Used
CPU punt entries	65536	65536	N/S	8
Ingress shapers	128	128	N/S	0
Service tunnels	6144	6144	N/S	1
Mirrors	15	N/S	N/S	1
TPID	3	N/S	N/S	3
VLAN profiles	8	N/S	N/S	1
Ingress rewrite	68	N/S	N/S	1
Egress rewrite	260	N/S	N/S	1
BFD timers	8	N/S	N/S	2
BFD local RX/TX timers	8	N/S	N/S	2
BFD source addresses	47	47	N/S	1
FEC	126970	N/S	N/S	1
ECMP	4094	N/S	N/S	0
ACL entries	10	10	N/S	0
Transport tunnels	2048	2048	N/S	33
IPv4 flows	262144	441520	N/S	0 <<<<<<
IPv6 flows	0	0	N/S	0
IPv4 routes	1289709	1289709	4108434	4
IPv6 routes	32768	32768	1908182	3
ARP	53242	N/S	N/S	1
Interfaces	8192	N/S	N/S	39
VSI	8190	N/S	N/S	3
Switch entries	N/S	N/S	N/S	0
Policers	65534	N/S	N/S	0
Policing profiles	2046	N/S	N/S	0

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ME ., :

```
0/ME5200S:E0S# show running-config hw-module
hw-module enable acl-default
hw-module enable acl-qos
```

acl-qos , :

```
0/ME5200S:E0S# show alarms
Mon Dec 25 09:06:54 2023
2023-12-25T09:06:54.581825+00:00 %KLISH-I-COMMAND: From klish terminal [user='admin' host='0.0.0.0'
terminal='console' vrf='default'] command: 'show alarms'
ID Code Type Device Severity Duration
Description
-----
1 An unsupported configuration with acl alarm trap local warn 05h25m37s acl-qos
can't work with acl-default and ipv4/6 flows jointly
```