

Sorun Giderme

Bu başlık altında a10 cihazlardaki genel sorun giderme ve metrik okuma adımlarını bulabilirsiniz.

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Nat Pool istatistikleri

Cihazımız üzerinde oluşturulan ip nat havuzu kullanım istatistikleri ve her havuzdan her bir source ip başına total kullanımı görüntüleyebiliriz.

```
Lab(NOLICENSE)#show ip nat pool Local-Pool statistics
```

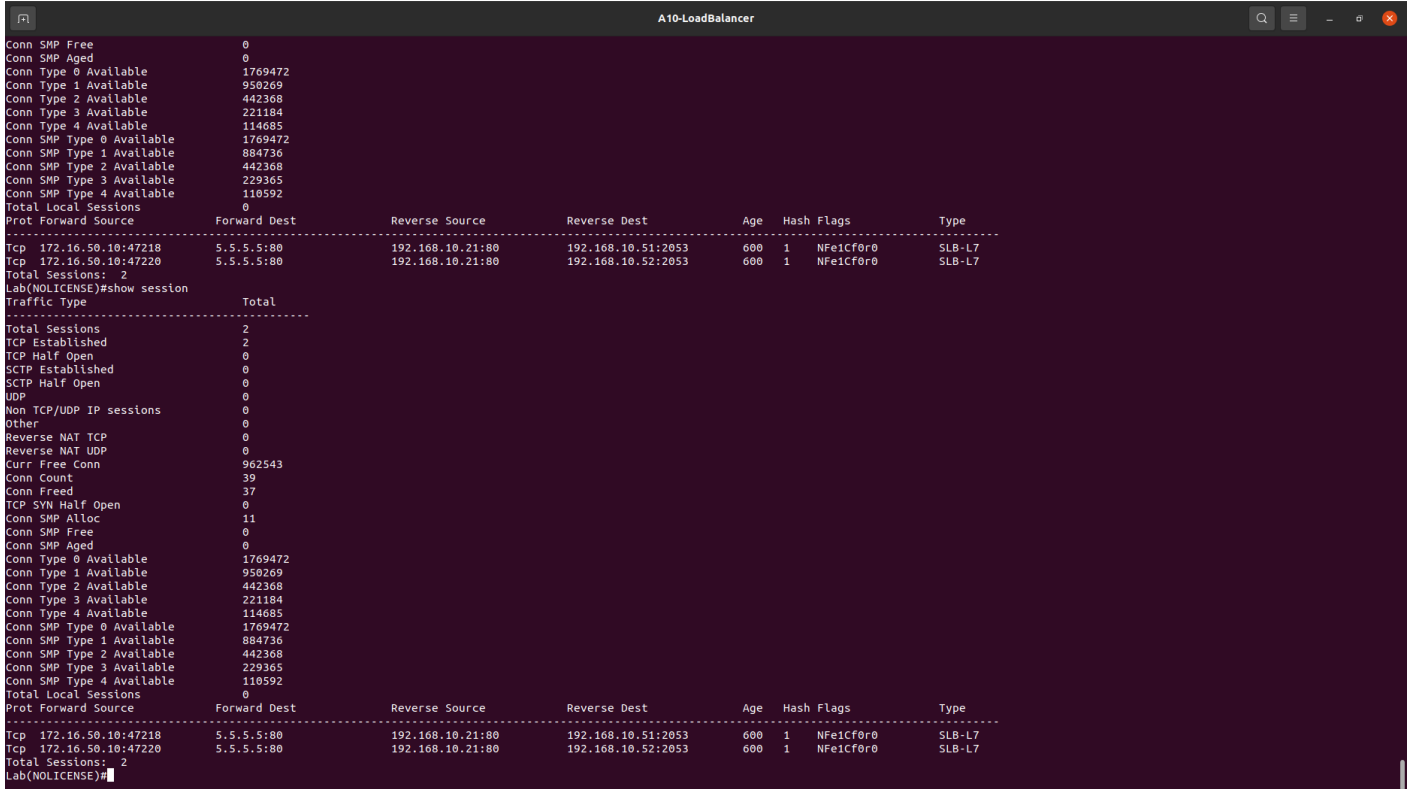
A10-LoadBalancer					
Lab(NOLICENSE)#show ip nat pool statistics					
Pool	Address	Port Usage	Total Used	Total Freed	Failed
Local-Pool	192.168.10.50	0	6	6	0
	192.168.10.51	0	6	6	
	192.168.10.52	0	6	6	
	192.168.10.53	0	6	6	
	192.168.10.54	0	6	6	
	192.168.10.55	0	6	6	
Lab(NOLICENSE)#show ip nat pool statistics					
Pool	Address	Port Usage	Total Used	Total Freed	Failed
Local-Pool	192.168.10.50	0	6	6	0
	192.168.10.51	0	6	6	
	192.168.10.52	0	6	6	
	192.168.10.53	0	6	6	
	192.168.10.54	0	6	6	
	192.168.10.55	0	6	6	
Lab(NOLICENSE)#show ip nat pool statistics					
Pool	Address	Port Usage	Total Used	Total Freed	Failed
Local-Pool	192.168.10.50	0	6	6	0
	192.168.10.51	0	6	6	
	192.168.10.52	0	6	6	
	192.168.10.53	0	6	6	
	192.168.10.54	0	6	6	
	192.168.10.55	0	6	6	
Lab(NOLICENSE)#show ip nat pool statistics					
Pool	Address	Port Usage	Total Used	Total Freed	Failed
Local-Pool	192.168.10.50	0	6	6	0
	192.168.10.51	0	6	6	
	192.168.10.52	0	6	6	
	192.168.10.53	0	6	6	
	192.168.10.54	0	6	6	
	192.168.10.55	0	6	6	
Lab(NOLICENSE)#show ip nat pool statistics					
Pool	Address	Port Usage	Total Used	Total Freed	Failed
Local-Pool	192.168.10.50	0	6	6	0
	192.168.10.51	0	6	6	
	192.168.10.52	0	6	6	
	192.168.10.53	0	6	6	
	192.168.10.54	0	6	6	
	192.168.10.55	0	6	6	
Lab(NOLICENSE)#show ip nat pool statistics					
Pool	Address	Port Usage	Total Used	Total Freed	Failed
Local-Pool	192.168.10.50	0	6	6	0
	192.168.10.51	1	7	6	
	192.168.10.52	1	7	6	
	192.168.10.53	0	6	6	
	192.168.10.54	0	6	6	
	192.168.10.55	0	6	6	
Lab(NOLICENSE)#					

Session Oturum istatistikleri

Cihaz üzerindeki bulunan anlık session tablosunu görüntüleyebilirsiniz.

```
Lab(NOLICENSE)#show session
```

```
Lab(NOLICENSE)#show session brief
```



```
Conn SMP Free 0
Conn SMP Aged 0
Conn Type 0 Available 1769472
Conn Type 1 Available 950269
Conn Type 2 Available 442368
Conn Type 3 Available 221184
Conn Type 4 Available 114685
Conn SMP Type 0 Available 1769472
Conn SMP Type 1 Available 884736
Conn SMP Type 2 Available 442368
Conn SMP Type 3 Available 229365
Conn SMP Type 4 Available 110592
Total Local Sessions 0
Prot Forward Source Forward Dest Reverse Source Reverse Dest Age Hash Flags Type
-----
TcP 172.16.50.10:47218 5.5.5.5:80 192.168.10.21:80 192.168.10.51:2053 600 1 NFe1CF0r0 SLB-L7
TcP 172.16.50.10:47220 5.5.5.5:80 192.168.10.21:80 192.168.10.52:2053 600 1 NFe1CF0r0 SLB-L7
Total Sessions: 2
Lab(NOLICENSE)#show session
Traffic Type Total
-----
Total Sessions 2
TCP Established 2
TCP Half Open 0
SCTP Established 0
SCTP Half Open 0
UDP 0
Non TCP/UDP IP sessions 0
Other 0
Reverse NAT TCP 0
Reverse NAT UDP 0
Curr Free Conn 962543
Conn Count 39
Conn Freed 37
TCP SYN Half Open 0
Conn SMP Alloc 11
Conn SMP Free 0
Conn SMP Aged 0
Conn Type 0 Available 1769472
Conn Type 1 Available 950269
Conn Type 2 Available 442368
Conn Type 3 Available 221184
Conn Type 4 Available 114685
Conn SMP Type 0 Available 1769472
Conn SMP Type 1 Available 884736
Conn SMP Type 2 Available 442368
Conn SMP Type 3 Available 229365
Conn SMP Type 4 Available 110592
Total Local Sessions 0
Prot Forward Source Forward Dest Reverse Source Reverse Dest Age Hash Flags Type
-----
TcP 172.16.50.10:47218 5.5.5.5:80 192.168.10.21:80 192.168.10.51:2053 600 1 NFe1CF0r0 SLB-L7
TcP 172.16.50.10:47220 5.5.5.5:80 192.168.10.21:80 192.168.10.52:2053 600 1 NFe1CF0r0 SLB-L7
Total Sessions: 2
Lab(NOLICENSE)#
```

Interface / Arabirim istatistikleri

A10 ADC üzerinde interfacerimizin anlık PPS değerlerini aşağıdaki komut ile görebiliriz

```
Lab(NOLICENSE)#show interfaces statistics
```

```
A10-LoadBalancer
192.168.10.52 0 6 6
192.168.10.53 0 6 6
192.168.10.54 0 6 6
192.168.10.55 0 6 6
Lab(NOLICENSE)#show ip nat pool statistics
Pool
-----
Local-Pool
192.168.10.50 0 6 6 0
192.168.10.51 0 6 6
192.168.10.52 0 6 6
192.168.10.53 0 6 6
192.168.10.54 0 6 6
192.168.10.55 0 6 6
Lab(NOLICENSE)#show ip nat pool statistics
Pool
-----
Local-Pool
192.168.10.50 0 6 6 0
192.168.10.51 0 6 6
192.168.10.52 0 6 6
192.168.10.53 0 6 6
192.168.10.54 0 6 6
192.168.10.55 0 6 6
Lab(NOLICENSE)#show ip nat pool statistics
Pool
-----
Local-Pool
192.168.10.50 0 6 6 0
192.168.10.51 1 7 6
192.168.10.52 1 7 6
192.168.10.53 0 6 6
192.168.10.54 0 6 6
192.168.10.55 0 6 6
Lab(NOLICENSE)#sho
Lab(NOLICENSE)#show int stat
Lab(NOLICENSE)#show int statistics
Port InPPS InBPS OutPPS OutBPS Time
-----
1 0.00 143.00 0.00 475.00 13:49:02
2 1.00 574.00 2.00 295.00 13:49:02
3 0.00 0.00 0.00 0.00 13:49:02
Tot 1.00 717.00 2.00 770.00 13:49:02
Lab(NOLICENSE)#show int statu
Lab(NOLICENSE)#show int statu
Lab(NOLICENSE)#show int sta
Lab(NOLICENSE)#show int statistics
Port InPPS InBPS OutPPS OutBPS Time
-----
1 0.00 143.00 0.00 475.00 13:49:07
2 1.00 574.00 2.00 295.00 13:49:07
3 0.00 0.00 0.00 0.00 13:49:07
Tot 1.00 717.00 2.00 770.00 13:49:07
Lab(NOLICENSE)#
```

History

Bazen cihazımız üzerinde önceden çalıştırılmış olan komut setlerini görüntülemek isteyebiliriz. Bazen geçmişe dönük çalıştırılan komutlar görüntülenmek istenebilir.

```
Lab(NOLICENSE)#show history
```

```
Lab(NOLICENSE)#show history
enable
debug packet l3-protocol ip 192.168.10.20 count 50
debug monitor
no debug mon
no debug monitor
show debug pac
show debug system
show debug
show session
show slb virtual-server
show logdb
show log
show memory
show cpu
show ip nat pool Local-Pool
show ip nat pool Local-Pool statistics
show int statistics
show interfaces statistics
show slb serv
show slb server
show interfaces media
show interfaces statistics
show clock
show version
show system resource-usage
show system tcp re
show lldp neighbors
show ip route
show history
Lab(NOLICENSE)#
```

Version Uptime

ADC üzerinde bulunan version'u ve system uptime'ı görüntülemek isteyebiliriz.

```
Lab(NOLICENSE)#show version
```

```
Lab(NOLICENSE)#show vers
Lab(NOLICENSE)#show version
Thunder Series Unified Application Service Gateway vThunder
Copyright 2007-2021 by A10 Networks, Inc. All A10 Networks products are
protected by one or more of the following US patents:
10243791, RE47296, 10230770, 10107423, 10187377, 10178165, 10158627
10129122, 10116634, 10110429, 10091237, 10069946, 10063591, 10044582
10038693, 10027761, 10021174, 10020979, 10002141
9992229, 9992107, 9986061, 9979801, 9979665, 9961136, 9961135, 9961130
9960967, 9954899, 9954868, 9942162, 9942152, 9912555, 9912538, 9906591
9906422, 9900343, 9900252, 9800271, 9848013, 9843599, 9843521, 9843484
9838472, 9838425, 9838423, 9825943, 9806943, 9787561, 9756071, 9742879
9722918, 9712493, 9705800, 9661026, 9621575, 9609852, 9602442, 9596286
9596134, 9584318, 9544364, 9537886, 9531846, 9497201, 9477563, 9398011
9386088, 9356910, 9350744, 9344456, 9344421, 9338225, 9294503, 9294467
9270774, 9270765, 9258332, 9253152, 9231915, 9219751, 9215275, 9154584
9154577, 9124550, 9122853, 9118620, 9118618, 9106561, 9094364, 9060003
9032502, 8977749, 8943577, 8918857, 8914871, 8904512, 8897154, 8868765
8849938, 8826372, 8813100, 8782751, 8782221, 8644701, 8595819, 8595791
8595383, 8584199, 8464333, 8423676, 8387128, 8332925, 8312507, 8291487
8266235, 8151322, 8079077, 7979585, 7804956, 7716378, 7665138, 7675854
7647635, 7627672, 7596695, 7577833, 7552126, 7392241, 7236491, 7139267
6748084, 6658114, 6535516, 6363075, 6324286, 8392563, 8103770, 7831712
7606912, 7346695, 7287084, 6970933, 6473802, 6374300

64-bit Advanced Core OS (ACOS) version 5.2.0-p1, build 38 (Oct-03-2020,14:41)
Booted from Hard Disk primary image
Number of control CPUs is set to 1
Serial Number: vThunderD757ED4068763F37ACADABD4E4270764A1CF2F32
aFlex version: 2.0.0
GUI primary image (default) version 5_2_0-p1-5_2_0-patch-4
GUI secondary image version N/A
aXAPI version: 3.0
Cylance version: N/A
Hard Disk primary image (default) version 5.2.0-p1, build 38
Hard Disk secondary image version 5.2.0-p1, build 38
Last configuration saved at May-11-2021, 13:51
Virtualization type: KVM
System Polling Mode: On
Hardware: 1 CPUs(Stepping 3), Single 20G drive, Free storage is 11G
Total System Memory 3999 Mbytes, Free Memory 1667 Mbytes
Hardware Manufacturing Code: N/A
Current time is May-11-2021, 14:42
The system has been up 0 day, 17 hours, 21 minutes
```

Clock date vs

A10 ADC üzerinde saat ve tarih bilgisini görmek için aşağıdaki komutu kullanabilirsiniz.

```
Lab(NOLICENSE)#show clock
```

```
Lab(NOLICENSE)#show cloc  
Lab(NOLICENSE)#show clock  
*14:48:08 IST Tue May 11 2021  
Lab(NOLICENSE)#
```

Packet Capture

Cihazımızda anlık capture almak isteyebiliriz bunu için

Capture filterlerinin konfigürasyonu için ;

```
Lab(NOLICENSE)#debug packet l3-protocol ip 192.168.10.20 count 50
```

Capture başlatmak için

```
Lab(NOLICENSE)#debug monitor
```

Bitirmek için

```
Lab(NOLICENSE)#no debug monitor
```

Örnek çıktı ;


```
Lab(NOLICENSE)#debug packet l3-protocol ip 192.168.10.20 count 50
Lab(NOLICENSE)#deb
Lab(NOLICENSE)#debug mo
Lab(NOLICENSE)#debug monitor
Wait for debug output, enter <ctrl c> to exit
@4310020895 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 icmp echo req seq=12011
@4310020895 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 tcp 3070 > 80 S dbc5606:0(0) <mwt, m=1460,w=7>
@4310020895 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 icmp echo req seq=12010
@4310020900 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 tcp 3070 > 80 A dbc5607:191a8ef(0)
@4310020922 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 tcp 3070 > 80 FA dbc5607:191a8ef(0)
@4310020924 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 tcp 3070 > 80 A dbc5608:191a8f0(0)
@4310020898 i( 2, 1)> ip 192.168.10.20 > 192.168.10.10 icmp echo rsp seq=12011
@4310020898 i( 2, 1)> ip 192.168.10.20 > 192.168.10.10 tcp 80 > 3070 SA 191a8ee:dbc5607(0) <mwt, m=1460,w=7>
@4310020898 i( 2, 1)> ip 192.168.10.20 > 192.168.10.10 icmp echo rsp seq=12010
@4310020922 i( 2, 1)> ip 192.168.10.20 > 192.168.10.10 tcp 80 > 3070 FA 191a8ef:dbc5608(0)
@4310022154 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 icmp echo req seq=12012
@4310022154 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 tcp 3074 > 80 S 6efe75c9:0(0) <mwt, m=1460,w=7>
@4310022154 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 icmp echo req seq=12011
@4310022156 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 tcp 3074 > 80 A 6efe75ca:6167b9ed(0)
@4310022181 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 tcp 3074 > 80 FA 6efe75ca:6167b9ed(0)
@4310022182 o( 2, 0)> ip 192.168.10.10 > 192.168.10.20 tcp 3074 > 80 A 6efe75cb:6167b9ee(0)
@4310022154 i( 2, 1)> ip 192.168.10.20 > 192.168.10.10 icmp echo rsp seq=12012
@4310022154 i( 2, 1)> ip 192.168.10.20 > 192.168.10.10 tcp 80 > 3074 SA 6167b9ec:6efe75ca(0) <mwt, m=1460,w=7>
@4310022154 i( 2, 1)> ip 192.168.10.20 > 192.168.10.10 icmp echo rsp seq=12011
@4310022181 i( 2, 1)> ip 192.168.10.20 > 192.168.10.10 tcp 80 > 3074 FA 6167b9ed:6efe75cb(0)
@4310022299 o( 2, 0)> ip 192.168.10.53 > 192.168.10.20 tcp 2054 > 80 S 92df81a0:0(0) <mswt, m=1460,w=2>
@4310022299 i( 2, 1)> ip 192.168.10.20 > 192.168.10.53 tcp 80 > 2054 SA b58117b3:92df81a1(0) <mswt, m=1460,w=7>
@4310022299 o( 2, 0)> ip 192.168.10.53 > 192.168.10.20 tcp 2054 > 80 PA 92df81a1:b58117b4(378)
@4310022300 i( 2, 1)> ip 192.168.10.20 > 192.168.10.53 tcp 80 > 2054 A b58117b4:92df831b(0)
@4310022300 i( 2, 1)> ip 192.168.10.20 > 192.168.10.53 tcp 80 > 2054 A b58117b4:92df831b(1448)
@4310022300 o( 1, 0)> ip 5.5.5.5 > 172.16.50.10 tcp 80 > 47234 PA a03f677:a97891e5(1448)
@4310022300 i( 2, 1)> ip 192.168.10.20 > 192.168.10.53 tcp 80 > 2054 A b5811d5c:92df831b(1448)
@4310022300 o( 2, 0)> ip 192.168.10.53 > 192.168.10.20 tcp 2054 > 80 A 92df831b:b5812304(0)
@4310022300 o( 1, 0)> ip 5.5.5.5 > 172.16.50.10 tcp 80 > 47234 PA a03fc1f:a97891e5(1448)
@4310022300 i( 2, 1)> ip 192.168.10.20 > 192.168.10.53 tcp 80 > 2054 PA b5812304:92df831b(581)
@4310022300 o( 1, 0)> ip 5.5.5.5 > 172.16.50.10 tcp 80 > 47234 PA a0401c7:a97891e5(581)
@4310022311 i( 1, 1)> ip 172.16.50.10 > 5.5.5.5 tcp 47234 > 80 A a97891e5:a03fc1f(0)
@4310022311 i( 1, 1)> ip 172.16.50.10 > 5.5.5.5 tcp 47234 > 80 A a97891e5:a0401c7(0)
@4310022311 i( 1, 1)> ip 172.16.50.10 > 5.5.5.5 tcp 47234 > 80 A a97891e5:a04040c(0)
@4310022314 o( 2, 0)> ip 192.168.10.53 > 192.168.10.20 tcp 2054 > 80 A 92df831b:b5812549(0)
@4310022329 o( 2, 0)> ip 192.168.10.54 > 192.168.10.20 tcp 2054 > 80 S da6ada0d:0(0) <mswt, m=1460,w=2>
@4310022329 i( 2, 1)> ip 192.168.10.20 > 192.168.10.54 tcp 80 > 2054 SA 3a4be2f6:da6ada0e(0) <mswt, m=1460,w=7>
@4310022329 o( 2, 0)> ip 192.168.10.54 > 192.168.10.20 tcp 2054 > 80 PA da6ada0e:3a4be2f7(421)
@4310022329 i( 2, 1)> ip 192.168.10.20 > 192.168.10.54 tcp 80 > 2054 A 3a4be2f7:da6adbb3(0)
@4310022329 i( 2, 1)> ip 192.168.10.20 > 192.168.10.54 tcp 80 > 2054 PA 3a4be2f7:da6adbb3(181)
@4310022329 o( 1, 0)> ip 5.5.5.5 > 172.16.50.10 tcp 80 > 47236 PA b30ad077:6120d37c(181)
@4310022341 i( 1, 1)> ip 172.16.50.10 > 5.5.5.5 tcp 47236 > 80 A 6120d37c:b30ad12c(0)
@4310022343 o( 2, 0)> ip 192.168.10.54 > 192.168.10.20 tcp 2054 > 80 A da6adbb3:3a4be3ac(0)
@4310022559 i( 1, 1)> ip 172.16.50.10 > 5.5.5.5 tcp 47234 > 80 PA a97891e5:a04040c(352)
@4310022559 o( 2, 0)> ip 192.168.10.53 > 192.168.10.20 tcp 2054 > 80 PA 92df831b:b5812549(378)
@4310022559 i( 2, 1)> ip 192.168.10.20 > 192.168.10.53 tcp 80 > 2054 A b5812549:92df8495(0)
@4310022559 i( 2, 1)> ip 192.168.10.20 > 192.168.10.53 tcp 80 > 2054 A b5812549:92df8495(1448)
@4310022559 o( 1, 0)> ip 5.5.5.5 > 172.16.50.10 tcp 80 > 47234 PA a04040c:a9789345(1448)
@4310022559 i( 2, 1)> ip 192.168.10.20 > 192.168.10.53 tcp 80 > 2054 PA b5812af1:92df8495(1448)
```

SLB Server istatistikleri

A10 üzerinde backend sunucusunda ne kadar trafik / session / connection olduğunun bilgisini içeren ekranlara ulaşmak için

```
Lab(NOLICENSE)#show slb server
```

Örnek çıktı;

```
A10-LoadBalancer
SERVER-2: Total      0      26      515      468      0      Up
Lab(NOLICENSE)#show slb server
Total Number of Servers configured: 2
Total Number of Services configured: 2
Current = Current Connections, Total = Total Connections
Fwd-pkt = Forward packets, Rev-pkt = Reverse packets
Service      Current      Total      Fwd-pkt      Rev-pkt      Peak-conn      State
-----
SERVER-1:80/tcp      0      17      205      186      0      Up
SERVER-1: Total      0      17      205      186      0      Up
SERVER-2:80/tcp      0      26      515      468      0      Up
SERVER-2: Total      0      26      515      468      0      Up
Lab(NOLICENSE)#show slb server
Total Number of Servers configured: 2
Total Number of Services configured: 2
Current = Current Connections, Total = Total Connections
Fwd-pkt = Forward packets, Rev-pkt = Reverse packets
Service      Current      Total      Fwd-pkt      Rev-pkt      Peak-conn      State
-----
SERVER-1:80/tcp      0      17      205      186      0      Up
SERVER-1: Total      0      17      205      186      0      Up
SERVER-2:80/tcp      0      26      515      468      0      Up
SERVER-2: Total      0      26      515      468      0      Up
Lab(NOLICENSE)#show slb server
Total Number of Servers configured: 2
Total Number of Services configured: 2
Current = Current Connections, Total = Total Connections
Fwd-pkt = Forward packets, Rev-pkt = Reverse packets
Service      Current      Total      Fwd-pkt      Rev-pkt      Peak-conn      State
-----
SERVER-1:80/tcp      0      17      205      186      0      Up
SERVER-1: Total      0      17      205      186      0      Up
SERVER-2:80/tcp      0      26      515      468      0      Up
SERVER-2: Total      0      26      515      468      0      Up
Lab(NOLICENSE)#
```

Cpu işlemci

A10 cihazlarda iki çeşit işlemci vardır

- Data
- Control

Data cpuları backplane işlemlerinden sorumludur ve trafiğin iletimini sağlarlar, Control cpuları cihazın web gui, ssh console, counterlar bazı lisans işlemleri avcs gibi operasyonları yönetirler ve data plane tarafına etki etmezler.

İstatistiklerini görmek için ;

```
Lab(NOLICENSE)#show cpu
```

```

A10-LoadBalancer
System memory:
Object size(byte)  Allocated(#)  Max(#)
-----
4                  260           3639
36                 13080         14556
100                65835         67410
228                1058         1984
484                160          503
996                230          253
2688               394          470
4068               6          63
8164               9          31

aFlex memory:
Object size(byte)  Allocated(#)  Max(#)
-----
32                 362           7278
64                 1607         3852
128                1734         2620
256                32          1596
512                129          896
1024               10          478
2048               0           0
4096               5          124
8192               0           0

SSL memory:
Object size(byte)  Allocated(#)  Max(#)
-----
36                 3076         3639
100                16           1926
164                15           1310
228                5            992
292                4            798
420                0           0
676                1            368
1000               0           0
1924               0           0
4484               0           0
6820               0           0

Lab(NOLICENSE)#shp
Lab(NOLICENSE)#show cp
Lab(NOLICENSE)#show cpu
Time: May-11-2021, 13:47
-----
Control1          9%          10%          10%          9%          10%
Data1             0%           0%           0%           0%           0%
Lab(NOLICENSE)#
```

Memory RAM

ADC üzerindeki ram miktarı modele göre farklılık göstermektedir. Memory kullanımı varsayılanda 3 e ayrılmıştır.

- System
- aFlex
- SSL

Genel kurallar burada da geçerlidir, memory kullanımı %75 i geçmemelidir.

Kullanımı ile ilgili detayları görüntülemek için

Lab(NOLICENSE)#show memory

Lab(NOLICENSE)#show me

Lab(NOLICENSE)#show memory

	Total(KB)	Used	Free	Usage

Memory:	3999396	2317879	1681517	57.90%

System memory:

Object size(byte)	Allocated(#)	Max(#)

4	260	3639
36	13080	14556
100	65835	67410
228	1658	1984
484	160	503
996	230	253
2688	394	470
4068	6	63
8164	9	31

aFlex memory:

Object size(byte)	Allocated(#)	Max(#)

32	362	7278
64	1607	3852
128	1734	2620
256	32	1596
512	129	896
1024	10	478
2048	0	0
4096	5	124
8192	0	0

SSL memory:

Object size(byte)	Allocated(#)	Max(#)

36	3076	3639
100	16	1926
164	15	1310
228	5	992
292	4	798
420	0	0
676	1	368
1060	0	0
1924	0	0
4484	0	0
6820	0	0

Lab(NOLICENSE)#

LOG Cihaz Logları syslog

A10 ADC üzerinde logları görüntülemek isteyebiliriz.

Bunun için ;

```
Lab(NOLICENSE)#show log
```

```
A10-LoadBalancer
May 10 2021 21:24:31 Notice [SYSTEM]:A web session for user "admin" from 192.168.17.130 has been opened. Session ID assigned is 5.
May 10 2021 21:24:31 Info [SYSTEM]:Local authentication successful (user: admin).
May 10 2021 21:24:13 Notice [SYSTEM]:A cli session for user "admin" from 127.0.0.1 has been opened. Session ID assigned is 4.
May 10 2021 21:24:12 Info [SYSTEM]:Local authentication successful (user: admin).
May 10 2021 21:23:58 Error [SYSTEM]:The user, admin, from the remote host, 127.0.0.1, failed in the cli authentication.
May 10 2021 21:22:49 Info [SYSTEM]:Control CPU Usage OK. Current value is 88
May 10 2021 21:22:45 Critical [SYSTEM]:Control CPU Usage over threshold limit. Current value is 99.
May 10 2021 21:22:32 Info [ACOS]:Virtual server VIP is up
May 10 2021 21:22:32 Info [ACOS]:Service http on virtual server VIP port 80 is up.
May 10 2021 21:22:32 Info [HM0N]:Service-group SERVERS is up.
May 10 2021 21:22:22 Info [HM0N]:SLB server SERVER-2 (192.168.10.21) TCP port 80 of group SERVERS is up (ICMP Receive OK) (health-check).
May 10 2021 21:22:22 Info [HM0N]:SLB server SERVER-1 (192.168.10.20) TCP port 80 of group SERVERS is up (ICMP Receive OK) (health-check).
May 10 2021 21:22:21 Info [HM0N]:SLB server SERVER-2 (192.168.10.21) port 80 is up (TCP Verify Connection OK)
May 10 2021 21:22:21 Info [HM0N]:SLB server SERVER-1 (192.168.10.20) port 80 is up (TCP Verify Connection OK)
May 10 2021 21:22:20 Info [HM0N]:SLB server SERVER-2 (192.168.10.21) is up (ICMP Receive OK)
May 10 2021 21:22:20 Info [HM0N]:SLB server SERVER-1 (192.168.10.20) is up (ICMP Receive OK)
May 10 2021 21:22:18 Info [Report]:a10rptmon started
May 10 2021 21:22:18 Info [MGMT]:License Retriever starts after alb is done
May 10 2021 21:22:18 Notice [VCS]:Cannot start avcs now
May 10 2021 21:22:18 Notice [VCS]:VCS is not ready, configuration(vcs enable) is missing
May 10 2021 21:22:18 Info [VCS]:Load avcs config sequence info (.0)
May 10 2021 21:22:18 Info [ACOS]:Ethernet interface 2 is up
May 10 2021 21:22:18 Info [ACOS]:Ethernet interface 1 is up
May 10 2021 21:22:18 Info [INIT]:Data plane successfully initialized. ACOS is ready to process traffic.
May 10 2021 21:22:18 Info [ACOS]:application port monitor adding ethernet interface 2 interface
May 10 2021 21:22:18 Info [ACOS]:application port monitor adding ethernet interface 1 interface
May 10 2021 21:22:18 Notice [SYSTEM]:Session ID 2 is now closed.
May 10 2021 21:22:18 Notice [SYSTEM]:Timezone is set to GMT
May 10 2021 21:22:17 Notice [SYSTEM]:A cli session for user "admin" from 127.0.0.1 has been opened. Session ID assigned is 2.
May 10 2021 21:22:15 Notice [SYSTEM]:Session ID 1 is now closed.
May 10 2021 21:22:15 Info [ACOS]:Service http on virtual server VIP port 80 is created
May 10 2021 21:22:15 Info [ACOS]:application port monitor new vip vsrver added, total number discovered 1
May 10 2021 21:22:15 Info [ACOS]:Virtual server VIP is created
May 10 2021 21:22:15 Info [HM0N]:SLB server SERVER-2 (192.168.10.21) TCP port 80 of group SERVERS is down (health-check).
May 10 2021 21:22:15 Info [ACOS]:updating internal tcp application(SERVER-2) with port(80) being updated on all interface
May 10 2021 21:22:15 Info [HM0N]:SLB server SERVER-1 (192.168.10.20) TCP port 80 of group SERVERS is down (health-check).
May 10 2021 21:22:15 Info [ACOS]:updating internal tcp application(SERVER-1) with port(80) being updated on all interface
May 10 2021 21:22:15 Info [ACOS]:Port 80 type TCP on server SERVER-2 is created
May 10 2021 21:22:15 Info [ACOS]:Server SERVER-2 is created
May 10 2021 21:22:15 Info [ACOS]:Port 80 type TCP on server SERVER-1 is created
May 10 2021 21:22:15 Info [ACOS]:Server SERVER-1 is created
May 10 2021 21:22:15 Info [ACOS]:application port monitor adding mgmt interface
May 10 2021 21:22:12 Notice [SYSTEM]:A cli session for user "admin" from 127.0.0.1 has been opened. Session ID assigned is 1.
May 10 2021 21:22:09 Info [SCALEOUT]:Cluster server stopped
May 10 2021 21:22:09 Info [ACOS]:File inspection Init Rserver stats [2048]
May 10 2021 21:22:09 Info [ACOS]:Internal file inspection server not installed
May 10 2021 21:22:09 Info [COMPRESSION]:Hardware compression device not installed on the system
May 10 2021 21:22:04 Info [GSLB]:Initialization done
May 10 2021 21:22:04 Info [WAF]:WAF init ...
May 10 2021 21:22:04 Notice [TM]:Time sync linkscan restart rc 654508035
May 10 2021 21:22:03 Info [Fall Safe]:Fall Safe is initialized.
May 10 2021 21:22:03 Info [ACOS]:application port monitor enabled
May 10 2021 21:22:03 Info [AUTH]:a10sanld set metadata monitor success
May 10 2021 21:22:01 Info [CFGMGGR]:Server thread is running.
May 10 2021 21:21:59 Notice [CFGMGGR]:Platform resource file is ready.
May 10 2021 21:21:59 Notice [CFGMGGR]:Platform resource file not ready...
```

Slb virtual-server Sanal servisler

Aygıt üzerinde oluşturulan sanal sunucular / Virtual service lerin detaylarını görüntüleyebileceğiniz bu çıktıda, ilgili virtual server'a doğru açılan connection, tcp ve http detaylarını vermektedir.

```
Lab(NOLICENSE)#show slb virtual-server
```

```
Lab(NOLICENSE)#show slb virtual-server
Total Number of Virtual Services configured: 1
Virtual Server Name      IP      Current  Total  Request  Response  Peak
Service-Group           Service connection connection packets  packets  connection
-----
*VIP 5.5.5.5             All Up
    port 80  http              0        38      663      562      0
SERVERS                  80/http    0        37      624      562      0
Total received conn attempts on this port: 38
```

```
Lab(NOLICENSE)#
Lab(NOLICENSE)#show slb virtual-server
Total Number of Virtual Services configured: 1
Virtual Server Name      IP      Current  Total  Request  Response  Peak
Service-Group           Service connection connection packets  packets  connection
-----
*VIP 5.5.5.5             All Up
    port 80  http              2        40      699      592      0
SERVERS                  80/http    2        39      658      592      0
Total received conn attempts on this port: 40
```

```
Lab(NOLICENSE)#
```