

Cihaz Genel konfigürasyonu ve ilk eri?im

A10networks'un cihazları ACOS ismi verilen, yüksek performans ile paket işlemek için özelleştirilmiş linux tabanlı bir işletim sistemine sahiptir.

- [Fiziksel Cihaza ilk bağlantı](#)
- [Genel Network tanımları](#)

Fiziksel Cihaza ilk bağlant?

Network cihazları için genelde bildiğimiz standartların bir çoğu A10 cihazlar için de geçerlidir.

Bu cihazlar 9600-8-n değerleri ile çalışan bir adet konsol portu ve 1 adet management interface vardır

interface ve cihaz aşağıdaki detaylara, fabrika çıkışı ayarlarına sahiptir.

```
Management interface default ip : 172.31.31.31 /24
```

```
Kullanıcı adı : admin
```

```
şifre : a10
```

```
enable password : boş
```

Genel Network tanımlar?

Network tanımlar?

Hostname tanımları?

```
A10>conf t  
SSL-I>en  
Password:  
A10#conf t  
A10(config)#hostname host_name  
A10(config)#end  
A10#exit
```

Management interface için ip adres tanımları?

```
A10>conf t  
A10>en  
Password:  
A10#conf t  
A10(config)#interface management  
A10(config-if:management)#ip address 192.168.254.10 /24  
A10(config-if:management)#end  
A10#exit
```

Routed interface tanımları?

```
A10>conf t  
SSL-I>en  
Password:
```

```
A10#conf t
A10(config)#interface ethernet 3
A10(config-if:ethernet:3)#
A10(config-if:ethernet:3)#ip address 192.168.1.1 /24
A10(config-if:ethernet:3)#enable
A10(config-if:ethernet:3)#end
A10#exit
```

VLAN Ekleme

```
A10>conf t
SSL-I>en
Password:
A10#conf t
A10(config)#vlan 500
A10(config-vlan:500)#name test_vlan
```

bize göre Trunk, tagged yada untagged port tanı?m?

```
A10>conf t
SSL-I>en
Password:
A10#conf t
A10(config)#vlan 500
A10(config-vlan:500)#tagged ethernet 3
A10(config-vlan:500)#untagged ethernet 4
```

A10'a göre trunk, lacp interface tanı?m?

Lacp tanımı işi , A10 işletim sisteminde trunk tanımı olarak düşünülmüştür. Buna göre interfaceleri trunk grouplar altına ekliyoruz.

```
A10>conf t
SSL-I>en
```

```
Password:  
A10#conf t  
A10(config)#  
A10(config)# interface ethernet 6  
A10(config-if:ethernet:6)#  
A10(config-if:ethernet:6)# name LACP  
A10(config-if:ethernet:6)# enable  
A10(config-if:ethernet:6)# trunk-group 10 lacp  
A10(config-if:ethernet:6)# exit  
A10(config)# interface ethernet 8  
A10(config-if:ethernet:8)# name LACP  
A10(config-if:ethernet:8)# enable  
A10(config-if:ethernet:8)# trunk-group 10 lacp  
!
```

ip adresi tanımlamak için

```
A10(config)#interface trunk 10  
A10(config-if:trunk:10)#ip address 192.168.1.10 /23  
A10(config-if:trunk:10)#exit  
A10(config)#end
```

Svi tanımlama ve ip adresi verme

bir interface direkt ip adresi verebileceğimiz gibi aynı vlan tagine sahip bütün interfacelerden karşılanan svi tanımı da yapabiliriz bunun için aşağıdaki konfig yeterlidir.

```
A10>conf t  
SSL-I>en  
Password:  
A10#conf t  
A10(config)#vlan 500  
A10(config-vlan:500)#router-interface ve 500  
A10(config-vlan:500)#exit  
A10(config)#interface ve 500  
A10(config-if:ve:500)#ip address 192.168.5.1 /24
```

Lldp açma

```
A10>conf t
A10>en
Password:
A10#conf t
A10(config)#interface ethernet 3
A10(config-if:ethernet:3)#lldp enable rx tx
A10(config-if:ethernet:3)#exit
A10(config)#end
```

Ntp dns tanımlar?

```
A10>conf t
A10>en
Password:
A10#conf t
A10(config)#ip dns primary 8.8.8.8
A10(config)#ip dns secondary 4.2.2.1
A10(config)#end
```

Management portu üzerinden çalıştırılan lacak kontrol uygulamaları çalıştırma

```
A10>conf t
A10>en
Password:
A10#conf t
A10(config)#interface management
A10(config-if:management)#ip control-apps-use-mgmt-port
A10(config-if:management)#exit
A10(config)#end
```

Statik rota

```
A10>conf t  
A10>en  
Password:  
A10#conf t  
A10(config)ip route 172.16.10.0 /24 x.x.x.x(next-hop)  
A10(config)end
```

Default gateway tanımlanmış mı? (Management VRF)

```
A10>en  
Password:  
A10#conf t  
A10(config)interface management  
A10(config)ip address 10.34.0.2 255.255.255.0  
A10(config)ip control-apps-use-mgmt-port  
A10(config)ip default-gateway 10.34.0.1  
!
```

SNMPv2 tanımlanmış mı?

GUI üzerinden konfigürasyon metodu:

1. Ana menüden system/monitoring

The screenshot shows the A10 Networks Observium web interface. The URL in the browser is <https://192.168.100.50/gui/#/dashboard/>. The main navigation bar includes tabs for ADC, GSLB, Security, AAM, CGN, Network, System, Shared Objects, and a dropdown menu for Settings, Admin, Maintenance, Diagnostics, and Monitoring. The Monitoring option is highlighted with a red arrow pointing to it. On the left, there's a sidebar with System, ADC, CGN, and Services Map tabs. The main dashboard area displays 'System Info' (Product Type: ADC, vThunder: 4.1.4-GR1-P5, build 81, HD Primary: -----) and a 'Realtime Memory Usage' gauge.

- 2.

3.

vThunder 4.1.4-GR1-P5, build 81

SNMP

General Fields

System SNMP Service Enable Disable

System Location length:1-255

System Contact

Engine ID length:10-24

Management Index range:0-2147483647

SLB Data Cache Timeout(seconds) range:5-120

Trap Host

SNMP Community	IP Address(Host)	Port	Version	User	Action
12qwasZX	192.168.1.40	162	v2c		

Trap List

Cancel Configure SNMP

4.

vThunder-192.168.100.50 - Mozilla Firefox

New Tab Install Observium Enable Disable Unatt... webserver - nginx Observium - obse... [Support] überch... vThunder-192.168.100.50

vThunder 4.1.4-GR1-P5, build 81

SNMP

General Fields

System SNMP Service Enable Disable

System Location umraniye, ISTANBUL, TURKEY

System Contact mesut@mikronet.net

Engine ID length:10-24

Management Index range:0-2147483647

SLB Data Cache Timeout(seconds) range:5-120

Trap Host

SNMP Community	IP Address(Host)	Port	Version	User	Action
12qwasZX	192.168.1.40	162	v2c		

Trap List

Cancel Configure SNMP

4.

vThunder 4.1.4-GR1-P5, build 81

SNMP

General Fields

System SNMP Service Enable Disable

System Location umraniye, ISTANBUL, TURKEY

System Contact mesut@mikronet.net

Engine ID length:10-24

Management Index range:0-2147483647

SLB Data Cache Timeout(seconds) range:5-120

Trap Host

SNMP Community	IP Address(Host)	Port	Version	User	Action
12qwasZX	192.168.1.40	162	v2c		

5.

The screenshot shows the vThunder 4.1.4-GR1-P5, build 81 web interface. The URL is <https://192.168.100.50/gui/#/system/snmp/community?page=1&items=25>. The top navigation bar includes tabs for New Tab, Install Observium, Enable Disable Unatt., webserver - nginx, Observium - obser, [Support] uberchu, and vThunder-192.168.1.50. The main menu has items like Dashboard, ADC, GSLB, Security, AAM, CGN, Network, System, Shared Objects, Log, sFlow, and SNMP. The SNMP tab is selected. Sub-tabs include SNMP, SNMP Views, SNMP Groups, SNMPv3 Users, and SNMPv1-v2c Users (which is highlighted). The right side of the interface shows a toolbar with Refresh, Delete, Create, and Actions buttons. A red arrow points from the 'Create' button to the 'Actions' dropdown.

6.

The screenshot shows the vThunder 4.1.4-GR1-P5, build 81 web interface. The URL is <https://192.168.100.50/gui/#/system/snmp/community/create/>. A green success message says "SNMPv1-v2c user was successfully created." The top navigation bar and main menu are similar to the previous screenshot. The sub-tabs include SNMP, SNMP Views, SNMP Groups, and SNMPv1-v2c Users. The right side shows a toolbar with Delete, Add, and Actions buttons. Two arrows point to the 'User Name' field (red) and the 'Community' field (green).

7.

Update SNMPv1-v2c Users

Type	Host	Netmask	Actions
IPv4	192.168.1.40	255.255.255.255	<input type="button" value="Delete"/> <input type="button" value="Add"/> <input type="button" value="Apply"/> <input type="button" value="Cancel"/>

https://192.168.100.50/gui/#

Cli çıktısı

```

A10>en
Password:
A10#conf t
A10(config)snmp-server enable service
A10(config)snmp-server contact mesut@mikronet.net
A10(config)snmp-server location "umraniye, ISTANBUL, TURKEY"
A10(config)snmp-server SNMPv1-v2c user snmpuser
    community read encrypted 9l28n0jCuUrjJAmSihG94jwQjLjV2wDnPBCMuNXbA0c8EIy41dsA5zwQjLjV2wDn
    remote 192.168.1.40 255.255.255.255
A10(config)snmp-server host 192.168.1.40 version v2c 12qwasZX
A10(config)exit

```

SNMPv3 tanım?

Management ve Production aynı? vlan ise...

Management/yönetim ip adresine verdığınız subnet ile Production/çalışma alanına verdığınız blok aynı olamaz, bu durumda, "Partition" adını verdığımız bir sanal bölünme üretmek zorundayız bunun

icin

```
A10>conf t
SSL-I>en
Password:
A10#conf t
A10(config)#partition PROD 1 ADC
A10(config)#active-partition PROD
A10[PROD](config)#normal config ...
A10#exit
```