

Genel Network tanımları

Network tanımları

Hostname tanımı

```
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 tanımı

```
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 tanımı

```
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 tanımı

```
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 tanımı

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)#
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 tanımları

```
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 çalıştırılacak 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 tanımı (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 tanımı

Gui üzerinden konfigürasyon metodu;

1. Ana menüden system/monitoring

The screenshot shows the A10 Networks Observium web interface. At the top, there are several tabs: 'New Tab', 'Install Observium', 'Enable Disable Unatt...', 'webserver - nginx', and 'Observium - obser...'. Below the tabs, the URL is https://192.168.100.50/gui/#/dashboard/. The main navigation bar includes links for ADC, GSLB, Security, AAM, CGN, Network, System, Shared Objects, Admin, Maintenance, Diagnostics, and Monitoring. The 'Monitoring' tab is highlighted with a blue background and a red arrow points to it from the right side. On the left, there's a 'System Info' card showing 'Product Type: ADC', 'vThunder: 4.1.4-GR1-P5, build 81', and 'HD Primary:'. To the right, there's a 'Realtime Memory Usage' gauge. The bottom left shows a breadcrumb trail: Dashboard / System.

2.

This screenshot shows the 'SNMP' configuration page. The top navigation bar has tabs for 'sFlow', 'SNMP' (which is selected and highlighted in blue), and 'Netflow'. Below the tabs, there are sub-links for 'SNMP Views', 'SNMP Groups', 'SNMPv3 Users', 'SNMPv1-v2c Users', and 'SNMP MIB Download'. The main content area is titled 'SNMP' and contains a 'General Fields' section. It includes fields for 'System SNMP Service' (radio buttons for 'Enable' and 'Disable'), 'System Location' (text input: length:1-255), 'System Contact' (text input: length:10-24), 'Engine ID' (text input: range:0-2147483647), 'Management Index' (text input: range:5-120), 'SLB Data Cache Timeout(seconds)' (text input: range:5-120), and 'Trap Host' (a table with columns: SNMP Community, IP Address(Host), Port, Version, User, Action). A red arrow points to the 'SNMP' tab in the top navigation bar.

3.

This screenshot shows the 'SNMP' configuration page with more details. It includes a 'Trap List' section at the bottom. At the very bottom right, there are two buttons: 'Cancel' and 'Configure SNMP' (which is highlighted in green).

4.

vThunder-192.168.100.50 - Mozilla Firefox

https://192.168.100.50/gui/#/system/snmp/create/

General Fields

System SNMP Service Enable Disable
System Location umraniye, ISTANBUI, 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

5.

vThunder-192.168.100.50 - Mozilla Firefox

https://192.168.100.50/gui/#/system/snmp/community/?page=1&items=25

General Fields

System SNMP Service Enable Disable
System Location umraniye, ISTANBUI, 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

5.

vThunder-192.168.100.50 - Mozilla Firefox

https://192.168.100.50/gui/#/system/snmp/community/?page=1&items=25

General Fields

System SNMP Service Enable Disable
System Location umraniye, ISTANBUI, 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

6.

Add SNMPv1-v2c Users

User Name * 1 - 31 characters Community 1 - 31 characters.

Remote Object Identifier

Type	Host	Netmask	Actions
<input type="checkbox"/>			Delete Add

Cancel Add

7.

Update SNMPv1-v2c Users

User Name * snmpuser Community *****

Remote Object Identifier

Type	Host	Netmask	Actions
IPv4	192.168.1.40	255.255.255.255	Delete Add Apply Cancel

Cancel Update

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 9I28nOjCuUrjJAmSihG94jwQjLjV2wDnPBCMuNXbAOc8Ely41dsA5zwQjLjV2wDn
    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 tanımı

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 için

```
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
```

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