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)# 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 interfaclerden 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)

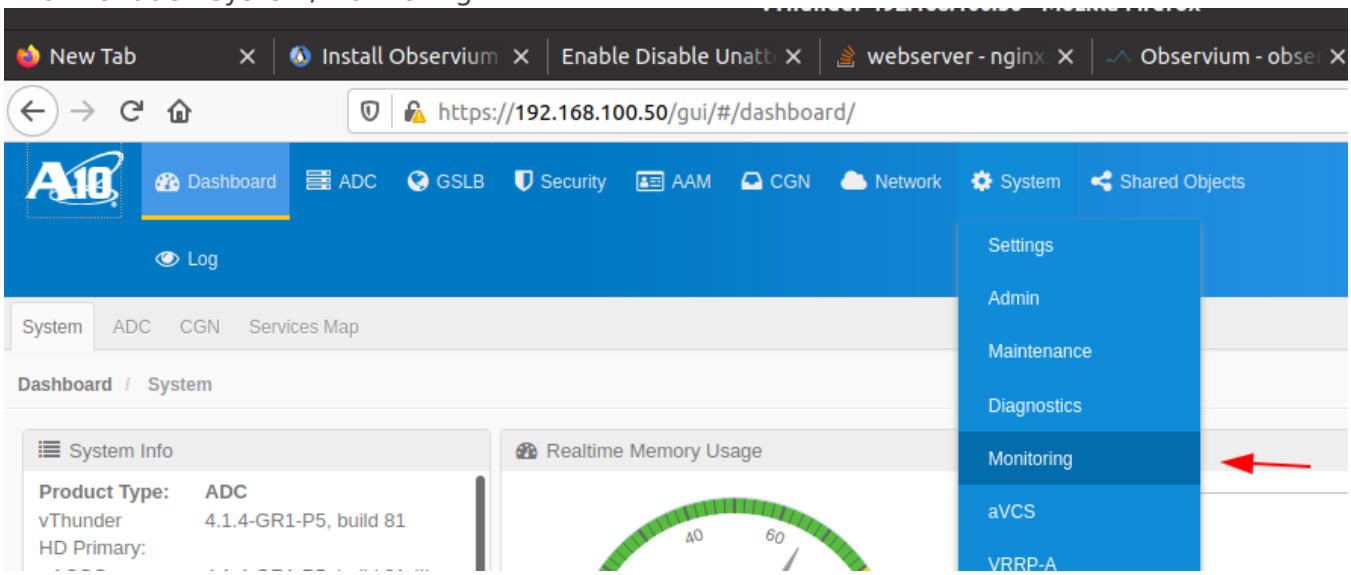
```
A10>en
Password:
A10#conf t
A10(config)interface management
```

```
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
!
```

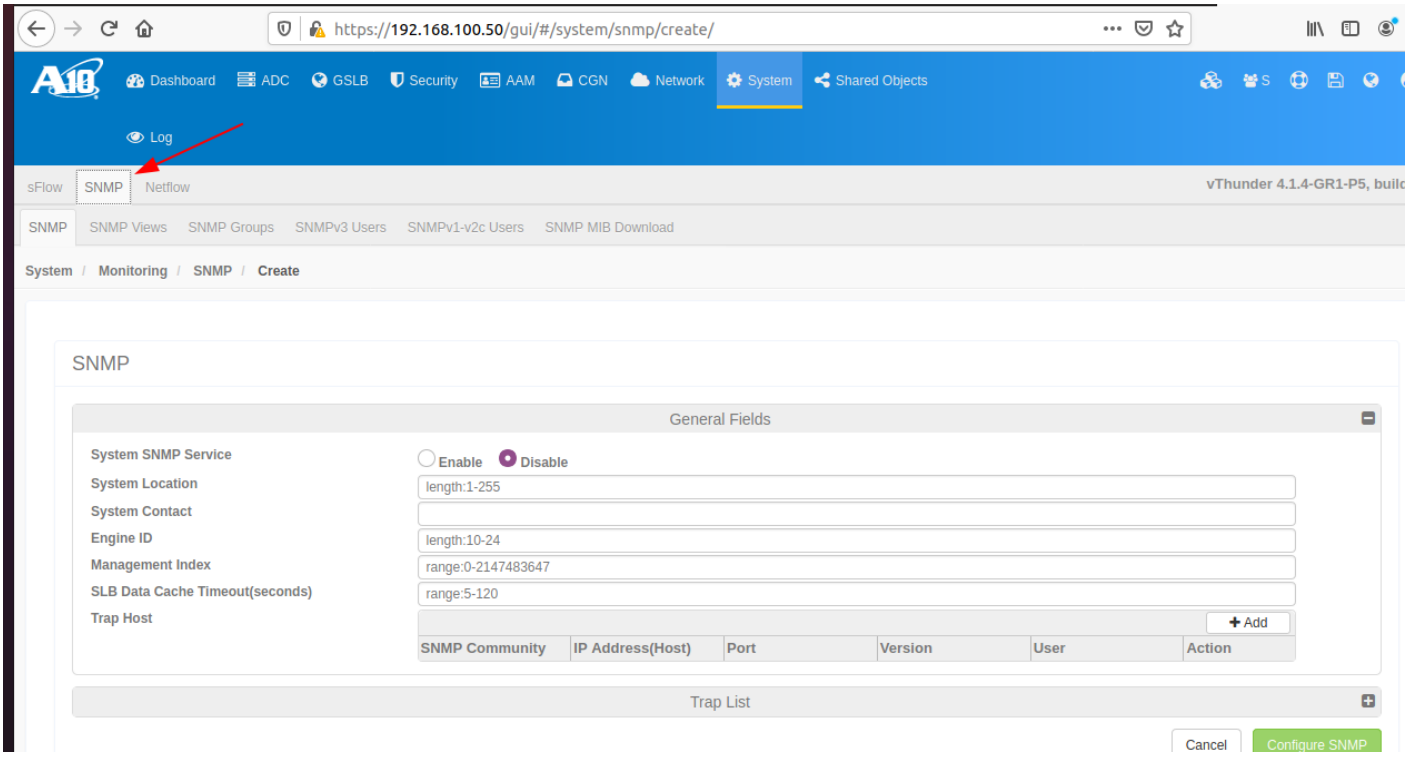
SNMPv2 tanımı

Gui üzerinden konfigürasyon metodu;

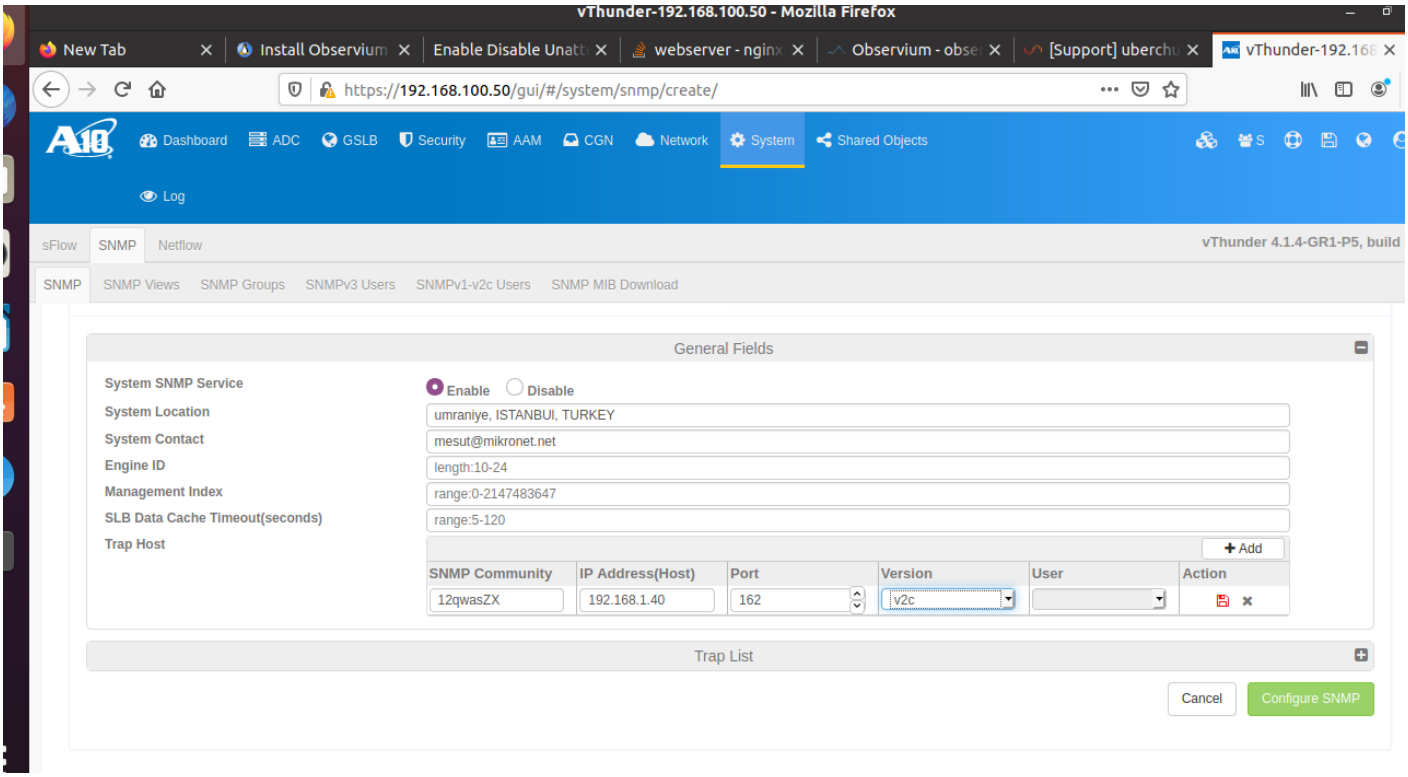
1. Ana menüden system/monitoring



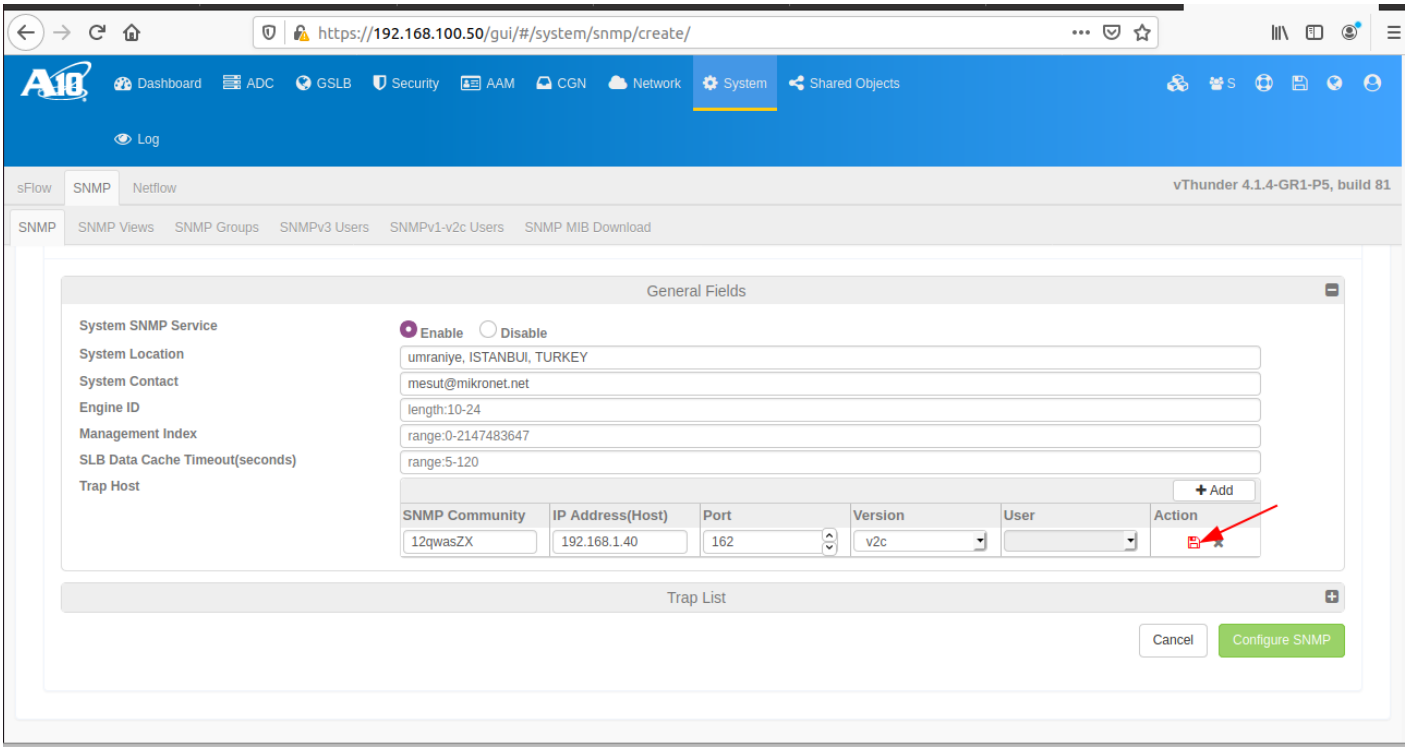
2.



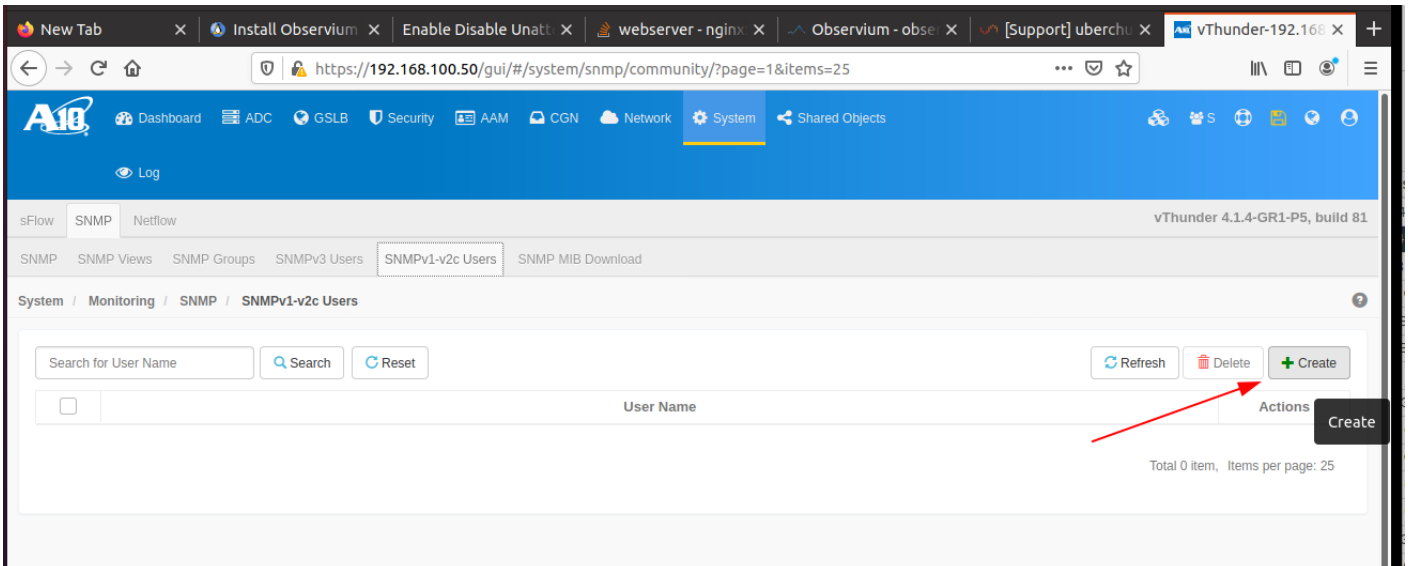
3.


vThunder-192.168.100.50 - Mozilla Firefox
https://192.168.100.50/gui/#/system/snmp/create/
Dashboard ADC GSLB Security AAM CGN Network System Shared Objects
Log
sFlow SNMP Netflow
vThunder 4.1.4-GR1-P5, build
SNMP SNMP Views SNMP Groups SNMPv3 Users SNMPv1-v2c Users SNMP MIB Download
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
+ Add
SNMP Community
IP Address(Host)
Port
Version
User
Action
12qwasZX
192.168.1.40
162
v2c
Trap List
Cancel
Configure SNMP

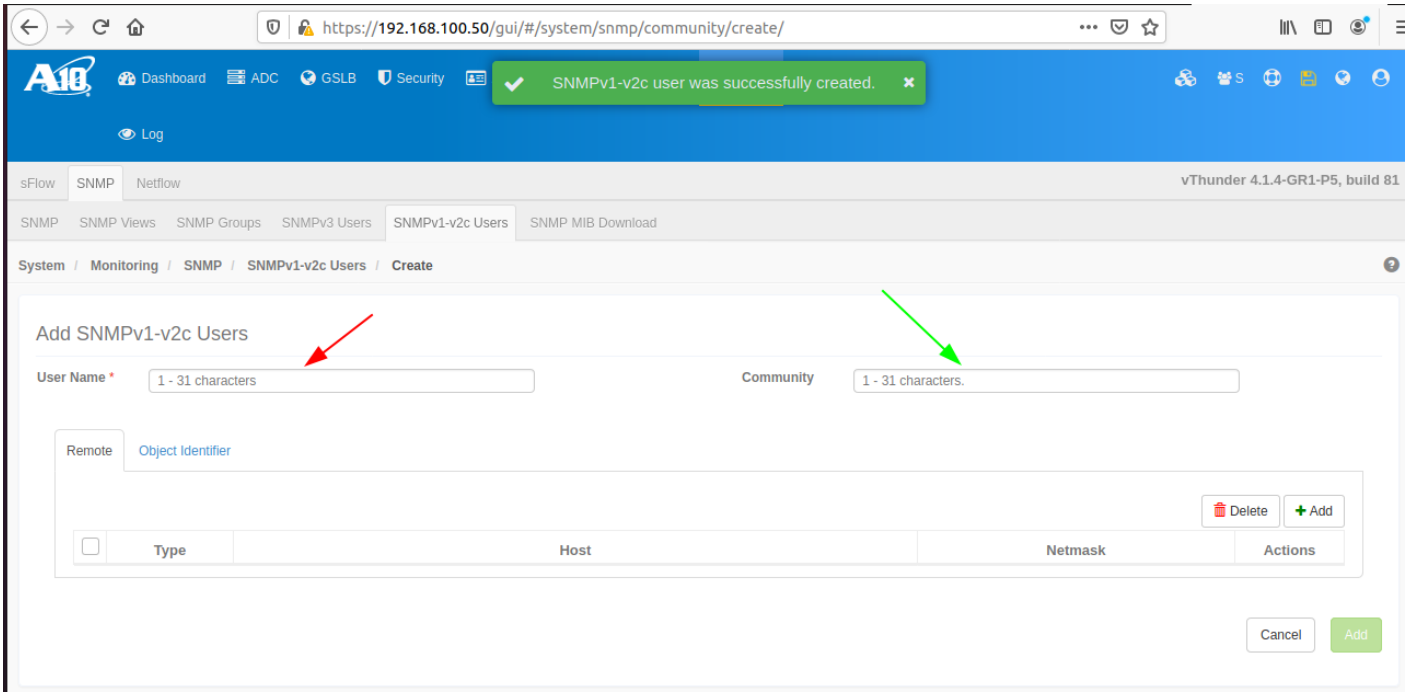
4.


https://192.168.100.50/gui/#/system/snmp/create/
Dashboard ADC GSLB Security AAM CGN Network System Shared Objects
Log
sFlow SNMP Netflow
vThunder 4.1.4-GR1-P5, build 81
SNMP SNMP Views SNMP Groups SNMPv3 Users SNMPv1-v2c Users SNMP MIB Download
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
+ Add
SNMP Community
IP Address(Host)
Port
Version
User
Action
12qwasZX
192.168.1.40
162
v2c
Trap List
Cancel
Configure SNMP

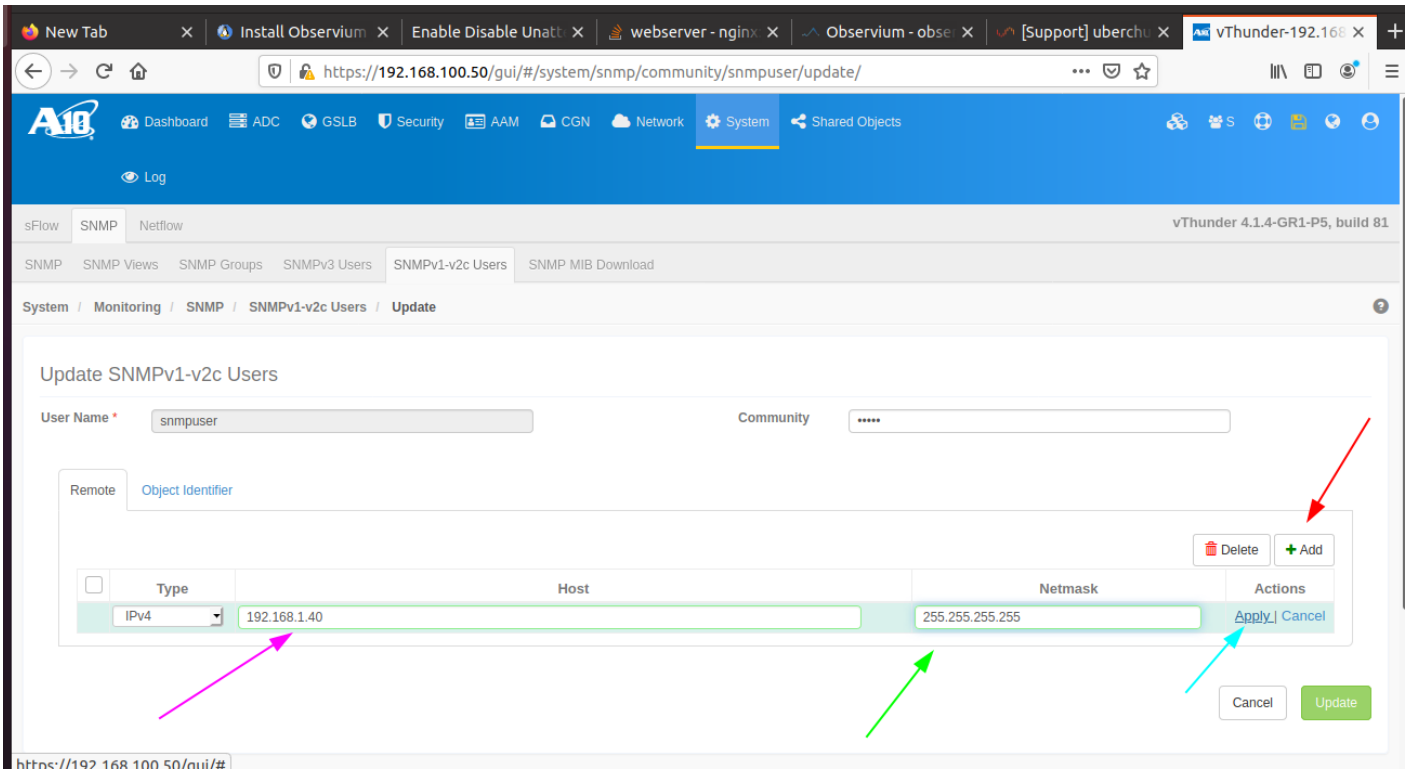
5.


https://192.168.100.50/gui/#/system/snmp/community/?page=1&items=25
Dashboard ADC GSLB Security AAM CGN Network System Shared Objects
Log
sFlow SNMP Netflow
vThunder 4.1.4-GR1-P5, build 81
SNMP SNMP Views SNMP Groups SNMPv3 Users SNMPv1-v2c Users SNMP MIB Download
System / Monitoring / SNMP / SNMPv1-v2c Users
Search for User Name
Search
Reset
Refresh
Delete
+ Create
User Name
Actions
Create
Total 0 item, Items per page: 25

6.



7.



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 9l28nOjCuUrjJAmSihG94jwQjLjV2wDnPBCMuNXbAOc8EIy41dsA5zwQjLjV2wDn
  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 verdiğiniz subnet ile Production/çalışma alanına verdiğiniz blok aynı olamaz, bu durumda, "Partition" adını verdiğimiz 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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