

Konfiguracija - Davalac resursa



AMRES

Akademski mreža Srbije

eduroam servis u AMRES-u



Uvod

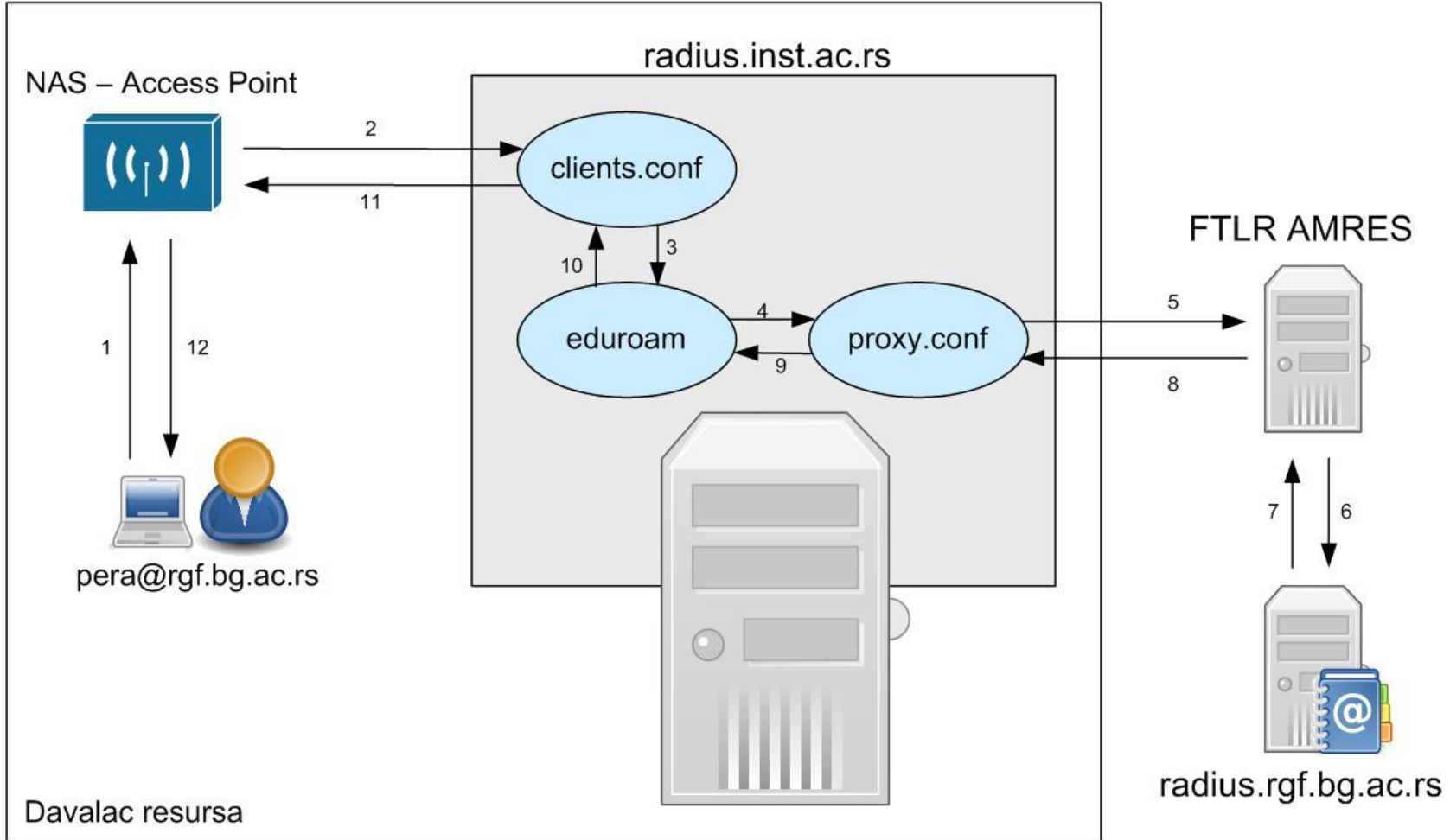
- » Dodatna konfiguracija FreeRADIUS-a za davaoca resursa
 - » clients.conf
 - » proxy.conf
 - » Skripta za broj logovanih korisnika
 - » Konfiguracija Access Pointa





AMRES

Davalac Resursa





clients.conf

- » Dodati sve NAS uređaje kao klijente
- » Primer:

```
client AP-biblioteka {  
    ipaddr          = 147.91.x.y  
    secret          = lozinka  
    shortname       = AP-bb  
    nastype         = other  
    virtual_server  = eduroam  
}
```





proxy.conf (1)

- » Definisiranje default domena
- » Dva home_server-a za FTLR1 i FTLR2
- » Default_fallback = yes





proxy.conf (2)

```
proxy server {
    default_fallback = yes
}
home_server amres.eduroam.ftl1r1 {
    type = auth+acct
    ipaddr = 147.91.4.204
    port = 1812
    secret = pass
    response_window = 20
    zombie_period = 40
    revive_interval = 120
    status_check = status-server
    check_interval = 30
    num_answers_to_alive = 3
}
```

```
home_server amres.eduroam.ftl1r2 {
    type = auth+acct
    ipaddr = 147.91.4.
    port = 1812
    secret = pass
    response_window = 20
    zombie_period = 40
    revive_interval = 120
    status_check = status-server
    check_interval = 30
    num_answers_to_alive = 3
}
home_server_pool amres.eduroam {
    home_server = amres.eduroam.ftl1r1
    home_server = amres.eduroam.ftl1r2
}
realm DEFAULT {
    pool = amres.eduroam
    nostrip
}
```





Broj eduroam korisnika

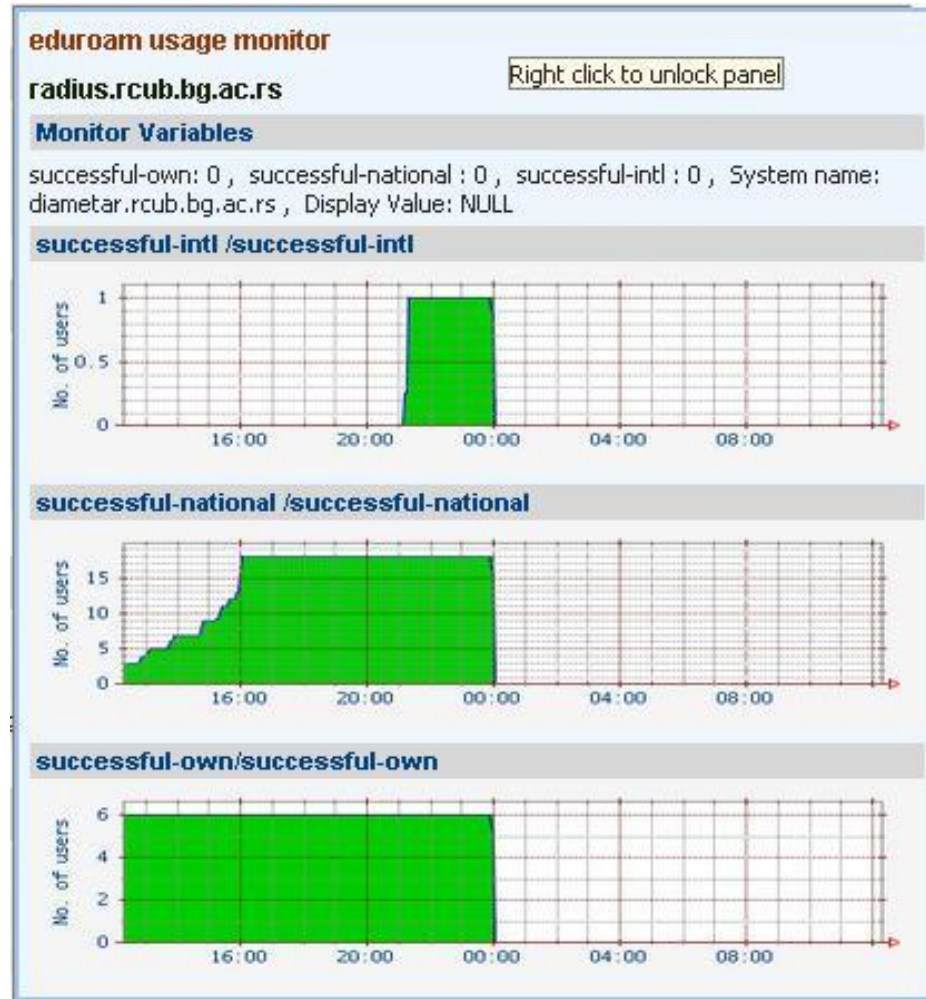
- ❧ Skripta se postavlja na freeRADIUS server
- ❧ Potrebno je konfigurisati snmp na freeRADIUS-u
- ❧ Netiis izvršava skriptu preko snmp protokola, preuzima rezultate i postavlja na web stranu





Broj korisnika

AMRES





Konfiguracija *Access Point-a*

- » Podešavanja za eduroam:
 - » IP adresa
 - » SSID: eduroam (koji se veže za željeni vlan)
 - » Enkripcija: WPA2/AES, opciono i WPA/TKIP
 - » 802.1X autentifikacija
 - » Definisanje RADIUS servera (ip + port + pass)
 - » Definisanje *accounting* servera (ako je *accounting* podržan)





Konfiguracija *Access Point-a* - Lancom

Network name (SSID)

VLAN ID

Encryption

Key 1/passphrase

(Repeat)

Key 1/passphrase

Allowed frequency bands



RADIUS
accounting activated

WPA version

WPA1 session key
type

WPA2 session key
type

Broadcast rate

RADIUS-Server

Type	IP-Address	Port	Secret
<input checked="" type="checkbox"/> <u>Account</u>	147.91.3.2	1813	*
<input checked="" type="checkbox"/> <u>Access</u>	147.91.3.2	1812	*
<input checked="" type="checkbox"/> <u>Backup-Account</u>	0.0.0.0	0	
<input checked="" type="checkbox"/> <u>Backup-Access</u>	0.0.0.0	0	





Konfiguracija *Access Point-a* - Cisco

```
aaa new-model
!
aaa group server radius radius_grp
server <radius server 1> auth-port 1812 acct-port 1813
server <radius server 2> auth-port 1812 acct-port 1813
!
aaa authentication login radius_auth group radius_grp
aaa accounting network default start-stop group radius_grp
aaa accounting update periodic 5
aaa session-id common
!
dot11 ssid eduroam
vlan <vlan>
authentication open eap radius_auth
authentication key-management wpa
accounting default
guest-mode
```





Konfiguracija *Access Point-a* - Cisco

```
interface Dot11Radio0
no ip address
no ip route-cache
!
encryption vlan <vlan> mode ciphers aes-ccm tkip
!
ssid eduroam
!
interface Dot11Radio0.<vlan>
encapsulation dot1Q <vlan>
ip access-group block_client_tx in
ip access-group block_client_rx out
no ip route-cache
no cdp enable
bridge-group <vlan>
```

