

Cisco IOS

U primjeru konfiguracije koriste se odvojeni management i klijentski VLAN:

- AP MGMT (VLAN 100)
- eduroam (VLAN 411)

Switchport prema AP-u konfiguriran je na sljedeći način*:

- UNTAGGED za AP MGMT
- TAGGED za eduroam i AP MGMT

Adresa RADIUS poslužitelja u primjeru: 161.53.2.74

RADIUS portovi u primjeru: 1812 i 1813

Management mreža za AP u primjeru: 10.10.10.0/24

Mreža za eduroam korisnike u primjeru: 10.111.0.0/16

Korištena oprema

Cisco Aironet 1602i (IOS 15.2.4-JB4)

Konfiguracija

CLI

1. Ulazak u konfiguracijski mod:

```
AP# configure terminal
AP (config)#
```

2. Kreirajte novi administrativni korisnički račun, šifru za ulazak u konfiguracijski mod te uklonite predefiniranog korisnika Cisco

```
username admin secret 0 T@jnas1fr@
enable secret vrl0tajn@51fr@
```

3. Postavljanje DNS-a i NTP-a

```
ip name-server 161.53.2.70
ntp server ntp.srce.hr
clock timezone UTC +1
```

4. Aktivacija AAA (Authentication, Authorization, and Accounting)

```
aaa new-model
```

5. Definiranje RADIUS poslužitelja

```
radius-server host 161.53.2.73 auth-port 1812 acct-port 1813 key vrl0tajn@sifra!

aaa group server radius radsrv
server 161.53.2.73 auth-port 1812 acct-port 1813

aaa authentication login eap_methods group radsrv
aaa authorization network default group radsrv
aaa accounting send stop-record authentication failure
aaa accounting session-duration ntp-adjusted
aaa accounting update newinfo periodic 15
aaa accounting network default start-stop group radsrv
aaa accounting network acct_methods start-stop group radsrv
```

6. Definiranje eduroam SSID-a

```
dot11 ssid eduroam
vlan 411
authentication open eap eap_methods
authentication network-eap eap_methods
authentication key-management wpa version 2
accounting acct_methods
guest-mode
```

7. Konfiguracija management sučelja i dodavanje defaultne route

```
interface GigabitEthernet0
no shutdown

interface BVI1
ip address 10.10.10.150 255.255.255.0

ip default-gateway 10.10.10.1
```

8. Dodavanje eduroam SSID-a na radio sučelja

```
interface Dot11Radio0
encryption vlan 411 mode ciphers aes-ccm
ssid eduroam
no shutdown

interface Dot11Radio1
encryption vlan 411 mode ciphers aes-ccm
ssid eduuroam
no shutdown
```

9. Povezivanje žičanih i radio sučelja u bridge grupu

```
interface GigabitEthernet0.411
encapsulation dot1Q 411
bridge-group 2

interface dot11Radio0.411
encapsulation dot1Q 411
bridge-group 2

interface dot11Radio1.411
encapsulation dot1Q 411
bridge-group 2
```

10. Podešavanje automatskog odabira kanala između 1-6-11 za 2.4 GHz radio sučelje

```
interface Dot11Radio0  
channel least-congested 1 6 11
```

11. Izlazak iz konfiguracijskog moda i spremanje konfiguracije

```
end  
write memory
```

12. Podesite ostale postavke prema vlastitim potrebama