

Aruba Instant

U primjeru konfiguracije koriste se odvojeni management i klijentski VLAN:

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

Switchport prema AP-u konfiguiran 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

Obje mreže imaju izlaz prema Internetu.

Korištena oprema

Aruba IAP-305 (8.6.0.4)

Konfiguracija

GUI

1. Odaberite jedan AP koji će biti master te [slijedite upute proizvođača](#) o načinu povezivanja na AP kako bi započeli inicijalnu konfiguraciju.



Ne spajajte ostale AP-ove prije nego li završite proces podizanja master kontrolera.

2. Podesite postavke sustava klikom na **Configuration > System**

Na kartici **General** podesite sljedeće postavke:

Unesite ime sustava pod **Name**

Unesite ime lokacije pod **System Location**

Unesite virtualnu management IP adresu klastera koja neće pripadati niti jednom mrežnom uređaju pod **Virtual Controller IP**

Unesite adresu vremenskog poslužitelja pod **NTP server**

Odaberite vremensku zonu pod **Timezone**

Prema vlasitim potrebama, uključite vidljivost aplikacija i URL-ova pod **AppRF visibility** i **URL visibility**

Na kartici **Admin** podešite korisničke podatke za pristup uređaju.

The screenshot shows the Aruba Virtual Controller interface. On the left, the navigation menu is visible with sections like Dashboard, Overview, Networks, Access Points, Clients, Mesh Devices, Configuration (with Networks selected), System, RF, Security, IDS, Routing, Tunneling, Services, and DHCP Server. The main content area is titled 'General' under 'Admin'. It contains three tabs: 'Local' (selected), 'View Only', and 'Guest Registration Only'. Under 'Local', there are fields for Authentication (set to Internal), Username (admin), Password, and Retype. Below these are tabs for 'View Only', 'Guest Registration Only', and 'AirWave'. A 'Save' button is located at the bottom right. A red dashed box highlights the 'Local' tab and its fields.

Sačuvajte promjene klikom na **Save**

3. Obrišite konfiguracijsku bežičnu mrežu klikom unutar kartice **Configuration > Networks** ukoliko za nju više nemate potrebe

The screenshot shows the 'Networks' section of the Aruba Virtual Controller. The left sidebar shows Configuration > Networks selected. The main table lists networks with columns: Name, Type, and Clients. One row, 'wired-SetMeUp', has a red dashed box around it, indicating it is selected. A delete icon (two small blue squares) is visible next to this row. The table shows 0 clients for this network.

4. Kreirajte novu mrežu klikom na **+**

5. Na kartici **Basic** unesite ime mreže

The screenshot shows the 'New Network' creation process. The left sidebar shows Configuration > Networks selected. The top bar indicates 'New Network' and 'Basic' tab is active. The 'Name & Usage' section contains fields for Name (eduroam), Type (Wireless), and Primary usage (Employee). A red dashed box highlights the 'Name' field. At the bottom are 'Cancel' and 'Next' buttons.

Pod **Show advanced options** uključite **Deny inter user bridging**

6. Na kartici VLAN podešite sljedeće postavke

Client IP & VLAN Assignment

- Client IP assignment: Virtual Controller managed (radio button)
- Client VLAN assignment: Network assigned (radio button)

VLAN

411

Cancel Back Next

Odaberite Client IP assignment > Network assigned

Odaberite Client VLAN assignment > Static

Unesite VLAN ID od korisničkog VLAN-a pod VLAN i kliknite Next

- Na kartici Security podesite sljedeće postavke

Security Level

Enterprise

Key management

WPA2-Enterprise

Authentication server 1

gatekeeper

InternalServer +

Result interval: 0 min.

Perform MAC authentication before 802.1X
 MAC authentication fail-thru

Internal server

No users [Users](#)

Only registered users of type Employee will be able to access this network.

System

Internal server Default certificate [Upload certificate](#)

RF

Blacklisting

Enforce DHCP

Security

Fast Roaming

Opportunistic Key

Caching(OKC)

802.11r

802.11k

Cancel Back Next

Pod Security Level odaberite Enterprise

Kao Key management odaberite WPA2-Enterprise

Pod Authentication server 1 kliknite na + i kreirajte novi RADIUS poslužitelj

- Unesite postavke RADIUS poslužitelja

New Authentication Server

Type: RADIUS

Name: gatekeeper

RadSec:

IP Address: 161.53.2.74

Auth port: 1812

Accounting port: 1813

Shared key:

Retype key:

Timeout: 5 sec.

Retry count: 3

Dynamic Authorization:

Status-Server: Authentication Accounting

Cancel OK

- Unesite ime poslužitelja pod **Name**
 Unesite IP adresu poslužitelja pod **IP Address**
 Unesite **Authenticition port**
 Unesite **Accounting port**
 Unesite tajni ključ između RADIUS poslužitelja i AP-ova pod **Shared key**
 Kliknite na **OK**
9. Na kartici **Access** odaberite **Unrestricted** pod **Access Rules** te kliknite na **Finish**

10. Na kartici **Dashboard > Clients** provjerite uspješnu autentikaciju klijenata

11. Spojite ostale AP-ove te nakon nekoliko minuta provjerite da li su povezani u klaser

12. Podesite ostale postavke sustava prema bežičnom dizajnu i vlastitim potrebama