Aruba Instant

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

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.

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

2. Podesite postavke sustava klikom na Configuration > System

	FUAL sroe-vc ROLLER sroe-vc				(
	V General				
Dashboard	Name	srce-vc			
Overview	System location	SRCE			
Networks	Virtual Controller IP	10.10.10.150			
Access Points	Allow IPv6 Management				
Clients	Virtual Controller IPv6	:			
Mesh Devices	Dynamic RADIUS Proxy				
Configuration	Dynamic TACACS Proxy				
Networks	MAS integration				
Access Points	NTP server	ntp.srce.hr			
System	Timezone	Zagreb UTC+01	~		
RF	Daylight Saving Time				
Security	Preferred band	All 🗸			
IDS	AppRF visibility	All 🗸			
Routing	URL visibility				
Tunneling	Cluster security	Note: NTP support is req	uired.		
Services	> Admin				
DHCP Server	Show advanced options				

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 vlasititim potrebama, uključite vidljivost aplikacija i URL-ova pod AppRF visibility i URL visibility

Na kartici Admin podesite korisničke podatke za pristup uređaju.

	RTUAL IROLLER srce-vc							۹	۹ ۵
Dashboard	> General								
Overview	✓ Admin								
Notworks	E Local								
Holinoino	Authentication	Internal	~						
Access Points	Username	neral inin Local Aubentication Iternal Usemane admin Password Iternal Usemane Password Cost Registration Only Usemane Cost Registration Only Cusemane Cost Registration Only Cusemane Cusemanee							
Clients	Password								
Mesh Devices	Password								
	Retype								
Configuration	View Only								
Networks	Username								
Access Points	Password								
12222									
System	Retype								
RF	Guest Registration Only								
Security	Username								
IDS	Password								
Routing	Retype								
Tunneling	AirWave								
Services	Organization								
DUOD Comme	Show advanced options								

Sačuvajte promjene klikom na Save

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

	IRTUAL Srce-vc			९ 🗘 🖲 🕰
III Dashboard	Networks			
Overview	Name	Туре	Clients	
Networks	SetMeUp (SetMeUp-C7:12:98)	wireless	0	
Access Points	wired-SetMeUp default_wired_port_profile	wired	0	
Clients	+ / 8			
Mesh Devices				
Configuration Networks Access Points	u			
System				
RF				
Security				
IDS				
Routing				
Tunneling				
Services				
BU00 0				

- 4. Kreirajte novu mrežu klikom na +
- 5. Na kartici Basic unesite ime mreže

	ROLLER SICE-VC		Q 4 0 A
Lill Dashboard	New Network 1 Basic	VLAN Security Access	
Overview	Name & Usage		
Networks	Name	eduroam	
Access Points	Туре	Wireless 🗸	
Clients	Primary usage	Employee 🗸	
Mesh Devices			
Configuration			
Networks			
Access Points			
System			
RF			
Security			
IDS			
Routing			
Tunneling			
Services			
DHCP Server	Show advanced options		Cancel Next

Pod Show advanced options uključite Deny inter user bridging

6. Na kartici VLAN podesite sljedeće postavke



Odaberite Client **IP assignment > Network assigned** Odaberite Client **VLAN assignment > Static** Unesite VLAN ID od korisničkog VLAN-a pod **VLAN** i kliknite **Next**

7. Na kartici Security podesite sljedeće postavke



Pod Security Level odaberite Enterprise

Kao Key management odaberite WPA2-Enterprise

- Pod Authentication server 1 kliknite na + i kreirajte novi RADIUS poslužitelj
- 8. Unesite postavke RADIUS poslužitelja

	New Authentication Serv	ver	0	
	Туре	RADIUS		
	Name	gatekeeper		
	RadSec			
	IP Address	161.53.2.74		
	Auth port	1812		
	Accounting port	1912		
	Channel Inc.		1	
	Shared key			
	Retype key			
	Timeout	5 sec.		
	Retry count	3		
	Dynamic Authorization			
	Status-Server	Authentication Accounting		
			Cancel OK	
			i	

Unesite ime poslužitelja pod **Name** Unesite IP adresu poslužitelja pod **IP Address** Unesite **Authentiction 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

ard Wirel	less (3) W	/ired (0)												
view Nar	me	IP Address	MAC address		os	ESSID	Access Point	Channel	Туре	Role	IPv6 Address	Signal	Speed (Mb	ps)
orks		0.0.0.0	6c:88:14:39:9f	:98 ·		eduroam	c8:b5:ad:c7:12:9	8 1	GN	N/A	-	0	0	
rob	i@srce.hr	10.111.0.93	30:24:32:c6:d0):db 1	Win 10	eduroam	c8:b5:ad:c7:12:9	8 36E	AC	eduroam	fe80::c0b7:458f:1	53	866	
nts sno	wak@src	10.111.207.45	0c:21:b0:b6:8d	98 1	Linux	eduroam	c8:b5:ad:c7:12:9	8 36E	AC	eduroam	fe80::e21:b0ff:feb6	54	87	
Ove	arview App	RF												
es Inf	0							RF Dashboard						
Na	ame	robi@srce.hr		IPv6 Add	Iress	fe80::c0b7:458f:137	:e590	Client		Signal		Speed		
IP	Address	10.111.0.93		MAC add	iress	30:24:32:c6:d0:db		robi@srce.hr		al.				
	s	Win 10		ESSID		eduroam		Access Point	Uti	ilization	Noise		Errors	
A	ccess Point	c8:b5:ad:c7:12:98		Channel		36E		c8:b5:ad:c7:12:9	8 _		_		_	
Ту	rpe	AC		Role		eduroam								
RF	Trends									Mobility	Trail			
Si	ignal (dB)					Frames (fps)				Associa	ition Time	Access	Point	
										10:57:51		c8:b5:ad	:c7:12:98(c8:b	5:ad:f1:
			display				No data to di	splay						

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