

Aruba 8.5

ArubaOS 8. WNAM 1.5 Aruba.

Aruba 7210 Aruba Mobility Master, 8.5.0.0.

10.192.208.99, 10.192.208.226 10.192.208.227.

WNAM 10.192.208.116. - , RADIUS- RADIUS CoA-.

! , Aruba MM, , (, ,). support@netams.com

SSID Guest. .

Dashboard

Configuration

WLANs

Roles & Policies

Access Points

AP Groups

Authentication

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Redundancy

WLANs 2

NAME (SSID)	AP GROUP	KEY MANAGEMENT	INFORMATION
default, 1 floor, -1 floor, 2 floor, 3 floor,...		WPA2-Personal	--
Aqua, 1 floor, -1 floor, 2 floor, 3 floor,...		Open	--

Aqua

General

VLANs

Security

Access

Name (ssid):

Aqua, 1 floor, -1 floor, 2 floor, 3 floor,...

Primary usage:

Employee

Guest

Broadcast on:

All APs

Forwarding mode:

Tunnel

VLAN .

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Aqua, 1 floor, -1 floor, 2 floor, 3 floor,...		Open	--

Aqua

General

VLANs

Security

Access

VLAN:

800

Show VLAN details

. RADIUS-.

(Page) , : <http://10.192.208.116/cp/aruba>

0 , , -.

0, .

SSID (WLAN) .

$$0 \quad , \quad , \quad - \quad .$$

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Aliases

Roles 15

NAME	RULES
switch-logon	1 Rules
default-lap-user-role	2 Rules
default-via-role	3 Rules
default-vpn-role	4 Rules
authenticated	4 Rules
voice	41 Rules
v1800-acl	1 Rules
wnam-guest-logon	27 Rules

+

wnam-guest-logon

Show Advanced View

Global Rules

IP VERSION	SOURCE	DESTINATION	SERVICE/APPLICATION	ACTION
+				

Rules of this Role only

IP VERSION	SOURCE	DESTINATION	SERVICE/APPLICATION	ACTION
IPv4	user	any	svc-http-proxy3	dst-nat 8088
IPv4	user	wnam-server	any	permit
IPv6	user	any	udp 546	deny_opt
IPv6	any	any	svc-v6-icmp	permit
IPv6	any	any	svc-v6-dhcp	permit
IPv6	any	any	svc-dns	permit

ArubaMM-VA, 8.5.0.0

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+

wnam-guest-logon

Policies

Bandwidth

Captive Portal

More

Show Basic View

NAME	RULES COUNT	TYPE	POLICY USAGE
appref-wnam-guest-logon-sacl	0	session	wnam-guest-logon
logon-control	7	session	logon, guest-logon, wnam-guest-lo...
captiveportal	7	session	logon, guest-logon, wnam-guest-lo...
v6-logon-control	7	session	logon, guest-logon, wnam-guest-lo...
captiveportal6	6	session	logon, guest-logon, wnam-guest-lo...
wnam-guest-logon	0	session	wnam-guest-logon

+

wnam-guest-logon > Policy > wnam-guest-logon Rules

Drag rows to re-order

IP VERSION	SOURCE	DESTINATION	SERVICE/APPLICATION	ACTION
+				

ArubaMM-VA, 8.5.0.0

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voice	41 Rules
vs800-act	1 Rules
wnam-guest-logout	27 Rules

wnam-guest-logout

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Captive Portal

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Show Basic View

Captive Portal Options:

ClearPass or other external Captive Portal

Internal Captive Portal with authentication

Internal Captive Portal with email registration

Internal Captive Portal, no auth or registration

No Captive Portal

Auth servers:

Host:

Page:

Redirect URL:

Use purple wi-fi:

wnam-radius

+

http://10.192.208.11

https://www.illinois.edu

☒

Cancel

Submit

ArubaMM-VA, 8.5.0.0

"wnam-cp"

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wnam-guest-logout	27 Rules

wnam-guest-logout

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Show Basic View

> Network

> VPN

> Authentication

IDP profile:

Stateful NTLM profile:

Stateful Kerberos profile:

WISPr profile:

Captive portal profile:

Captive portal check for accounting:

-None-

-None-

-None-

-None-

wnam-cp

☒

Cancel

Submit

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IP- - WNAM.

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Aliases

user	1	--	IPv4	--
localip	1	--	IPv4	--
auth-google	2	--	IPv4	--
auth-facebook	3	--	IPv4	--
wificalling-block	2	--	IPv4	--
wnam-server	1	--	IPv4	--
wnam-cp	1	--	IPv4	--
wnam_cppm_prof	1	--	IPv4	--

Destination wnam-server

IP version: Ipv4

Description:

Invert: ☐

Items

TYPE	IP ADDRESS	NETMASK/RANGE/OFFSET
host	10.192.208.116	--

() RADIUS- WNAM, IP . , wnam-sg.

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Auth Servers

AAA Profiles

L2 Authentication

L3 Authentication

User Rules

Advanced

Server Groups 4

NAME	SERVICES	FAIL THROUGH	LOAD BALANCE	SERVICES RULES
default	1	--	--	1
internal	1	--	--	1
wnam-sg	1	--	--	0
wnam-sg	1	--	--	0

Server Group > wnam-sg

ServersOptionsServer Rules

NAME	TYPE	IP ADDRESS	TRIM PQDN	MATCH RULES
wnam-radius	RADIUS	10.192.208.116	--	0

:

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Auth Servers

AAA Profiles

L2 Authentication

L3 Authentication

User Rules

Advanced

All Servers 3

NAME	TYPE	IP ADDRESS / HOSTNAME	SERVER GROUP
wnam-radius	RADIUS	10.192.208.116	wnam-sg
Internal	--	--	default internal
--	RFC 3576	10.192.208.116	--

+

Server Options

Name:

wnam-radius

IP address / hostname:

10.192.208.116

Auth port:

1812

Acct port:

1813

Shared key:

.....

Retype key:

.....

Timeout:

1

Retransmits:

3

NAS ID:

aruba

NAS IP:

Enable IPv6:

☐

NAS IPv6:

Use MD5:

☐

Mode:

☒

Lowercase MAC addresses:

☒

Use IP address for calling station ID:

☐

MAC address delimiter:

colon

Service-type of FRAMED-USER:

☐

CPPM credentials:

☐

CALLED STATION ID

Station ID type:

AP MAC address

Station ID delimiter:

Colon

Include SSID:

☒

RFC 3576 , WNAM RADIUS CoA .

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Server Groups 4

NAME	SERVICES	FAIL THROUGH	LOAD BALANCE	SERVER RULES
default	1	--	--	1
internal	1	--	--	1
wnam-sg	1	--	--	0
wnam-radius	1	--	--	0

+

All Servers 3

NAME	TYPE	IP ADDRESS / HOSTNAME	SERVER GROUP
wnam-radius	RADIUS	10.192.208.116	wnam-sg
Internal	--	--	default internal
--	RFC 3576	10.192.208.116	--

+

- , RADIUS Accounting.

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AAA Profiles

AAA

NoAuthAAAProfile

WNAM_aaa_prof

802.1X Authentication

802.1X Authentication Server Group

MAC Authentication

MAC Authentication Server Group

RADIUS Accounting Server Group

RFC 3576 server

XML API server

default

default-dot1x

default-dot1x-psk

default-lap-aaa-prof...

AAA Profile: WNAM_aaa_prof

Initial role:

wnam-guest-logout

MAC Authentication Default Role:

wnam-guest-logout

802.1X Authentication Default Role:

guest

Download Role from CPPM:

Set username from dhcp option 12:

L2 Authentication Fail Through:

Multiple Server Accounting:

User idle timeout:

seconds

Max IPv4 for wireless user:

2

RADIUS Roaming Accounting:

RADIUS Interim Accounting:

RADIUS Acct-Session-Id In Access-Request:

User derivation rules:

-None-

Wired to Wireless Roaming:

Reauthenticate wired user on VLAN change:

Device Type Classification:

Enforce DHCP:

PAN Firewall Integration:

Open SSID radius accounting:

Apply ageout mechanism on bridge mode wireless clients:

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AAA

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WNAM_aaa_prof

802.1X Authentication

802.1X Authentication Server Group

MAC Authentication

MAC Authentication Server Group

RADIUS Accounting Server Group

RFC 3576 server

XML API server

MAC Authentication Profile: default

MAC Authentication Profile:

default

+

Delimiter:

colon

Case:

upper

Max Authentication failures:

0

Reauthentication:

Reauthentication Interval:

86400

sec

Use Server provided Reauthentication Interval:

RADIUS- MAC-

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WNAM_aaa_prof

802.1X Authentication

802.1X Authentication Server Group

MAC Authentication

MAC Authentication Server Group

RADIUS Accounting Server Group

RFC 3576 server

XML API server

Server Group: wnam-sg

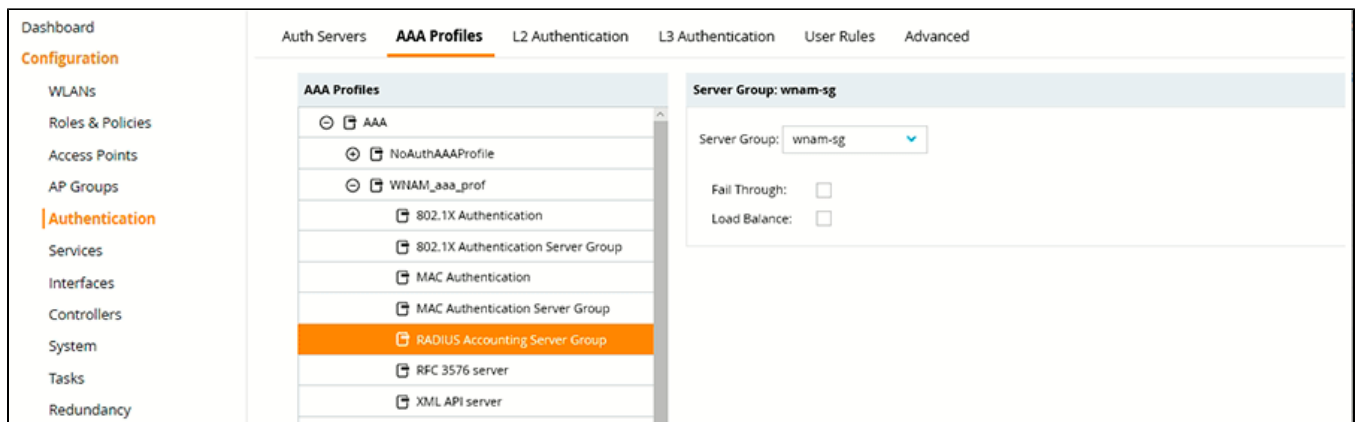
Server Group:

wnam-sg

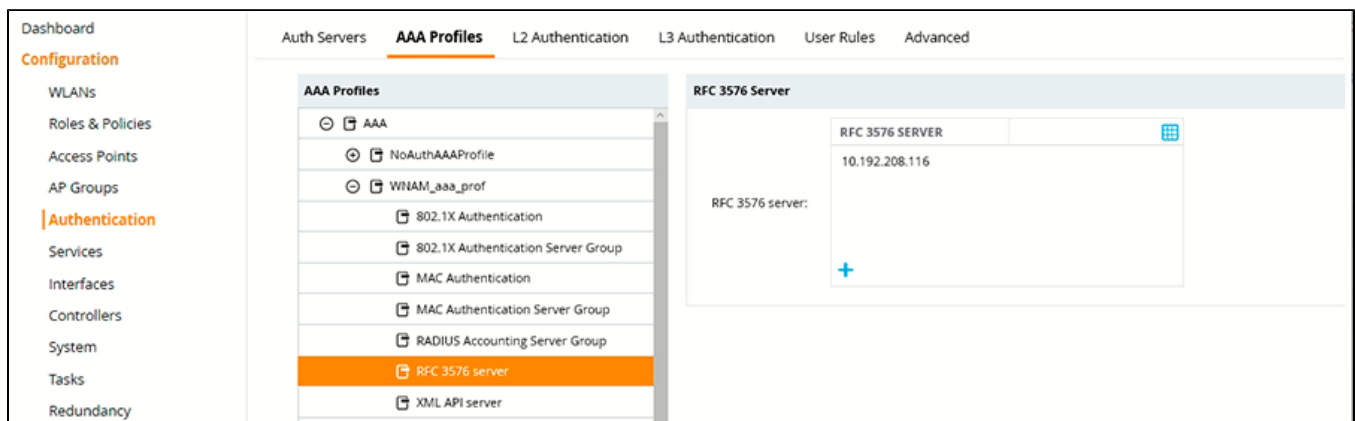
Fail Through:

Load Balance:

RADIUS-



CoA-



() - wnam-cp, L3 Authentication.

: Default Role , . authenticated , guest () http 80 443 .

Default Guest Role .

Login page : <http://10.192.208/cp/aruba> , WNAM

Welcome page : http://10.192.208/cp/aruba_welcome , WNAM, WNAM ()

aruba

MOBILITY MASTER
04C-ARUBA-MM01

CONTROLLERS

20

ACCESS POINTS

471

CLIENTS

80

ALERTS

0

admin

Managed Network > Controllers >

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L3 Authentication

Captive Portal Authentication

wnam-cp

wnam-cp

Server Group

Stateful Kerberos Authentication

Stateful NTLM Authentication

VIA Authentication

VIA Connection

VIA Web Authentication

VPN Authentication

WISPr Authentication

Captive Portal Authentication Profile: wnam-cp

Default Role:

authenticated

Default Guest Role:

guest

Redirect Pause:

1

sec

User Login:☒

Guest Login:☐

Logout popup window:☐

Use HTTP for authentication:☒

Logon wait minimum wait:

5

sec

Logon wait maximum wait:

10

sec

logon wait CPU utilization threshold:

60

%

Max Authentication failures:

0

Show FQDN:☐

Authentication Protocol:

PAP

• Login page:

http://10.192.208.11

Welcome page:

http://10.192.208.11

Show Welcome Page:☐

Proxy Server Configuration:

Addr:

Port:

Add switch IP address in the redirection URL:☒

Adding user vlan in redirection URL:☒

Adding AP's MAC address in redirection URL:☒

Add a controller interface in the redirection URL:

Allow only one active user session:☐

White List:

WHITE LIST

wnam-server

wnam-cp

+

Black List:

BLACK LIST

+

Show the acceptable use policy page:☐

User idle timeout:seconds

Redirect URL:

https://www.192.168.1.1

Bypass Apple Captive Network Assistant:☐

URL Hash Key:

URL hash key:

Retype:

RADIUS.

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L3 Authentication

Captive Portal Authentication

default

wnam-cp

Server Group

Stateful Kerberos Authentication

Server Group: wnam-sg

Server Group:wnam-sg

Fail Through:☐

Load Balance:☐

Aruba (, mobility Master) .

WNAM . Mobility Master, IP (NAS-IP-Address) , Mobility Master.