

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

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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,...	default, 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,...	default, 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 , , -.

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WLANs 2

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

Aqua 

General

VLANs

Security

Access

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

Captive Portal Options:

wnam-...

Auth servers:

Host:

Page:

http://10.192.208.11

Redirect URL:

https://www.iam...

Use purple wi-fi:

0, .

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WLANs 2

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

Aqua 

General

VLANs

Security

Access

Default role:

wnam-guest-logon

MAC authentication role:

wnam-guest-logon

SSID (WLAN) .

0. ,

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Aliases

Roles15

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

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v1800-acl	1 Rules
wnam-guest-logon	27 Rules

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

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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

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"wnam-cp"

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vs800-act	1 Rules
wnam-guest-logon	27 Rules

wnam-guest-logon

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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
external-aaa-1-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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L3 Authentication

User Rules

Advanced

Server Groups 4

NAME	SERVICES	FAIL THROUGH	LOAD BALANCE	SERVER RULES
default	1	--	--	1
internal	1	--	--	1
wnam-sg	1	--	--	0
wnam-sg (disabled)	0	--	--	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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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

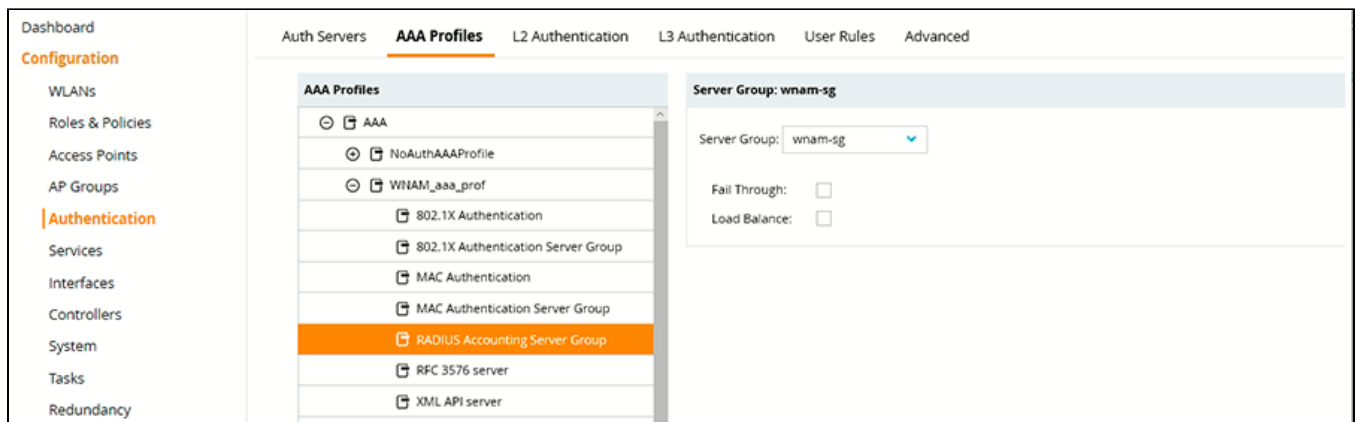
Server Group:

wnam-sg

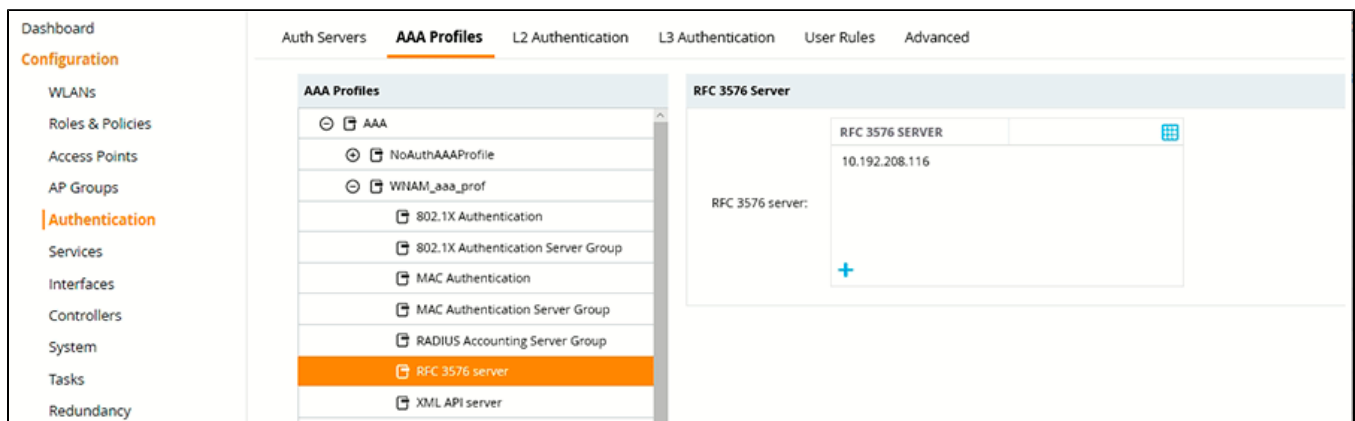
Fail Through:

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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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.

Bypass Apple Captive Network Assistant:☐

URL Hash Key:

URL hash key:

Retype:

RADIUS.

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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.