

DCN

1.5 WNAM Digital China Network (DCN), HTTP-, RADIUS CoA-.

Security Authentication WLAN Configuration RADIUS- ().

DCN

Dashboard

WLAN Configuration

Monitor

Management

Wired Configuration

Fast Configuration

System Configuration

Networks

AP Group Management

Security Authentication

Discovery

Provisioning

WIDS Security

Captive Portal

License

Advanced Configuration

Global Configuration

Radius Authentication Status

☒

Radius Accounting Status

☒

Radius Key

wnam_radius

Radius NAS IPv4

Radius Source IPv4

Submit

Radius Authentication Server Configuration

☐	Radius Authentication Server Configuration	Authentication Server Port(optional)	Primary Authentication Server
☐	10.32.141.147	1812	no
☐	10.32.141.146	1812	no
☐	10.32.141.38	1812	no
☐	10.36.138.4	1812	no
☐	172.18.1.79	1812	no
☐	10.36.131.167	1812	no
☐	172.17.83.4	1812	no

Authentication Server IP

Authentication Server Port

(optional)

Primary Authentication Server

☐

Add

Delete

Radius Accounting Server Configuration

☐	Radius Accounting Server Configuration	Accounting Server Port(optional)	Primary Accounting Server
☐	10.32.141.147	1813	no
☐	10.32.141.146	1813	no
☐	10.32.141.38	1813	no
☐	10.36.138.4	1813	no
☐	172.18.1.79	1813	no
☐	10.36.131.167	1813	no
☐	172.17.83.4	1813	no

Accounting Server IP

Accounting Server Port

(optional)

Primary Accounting Server

☐

Add

Delete

Radius Group Name Add.

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☐

172.17.83.4

1813

no

Accounting Server IP

Accounting Server Port

(optional)

Primary Accounting Server

☐

Add

Delete

Radius Group Manage

☐

Radius Group Name

☐

radius-TestRadius

☐

radgrp-IUM

☐

radgrp-IUM-Test

☐

radgrp-IUM2

☐

radgrp-IUM-Test2

☐

radgrp-VNAM

Radius Group Name

Add

Delete

Radius Configuration

☐

Radius Group Name

Radius Server IP

☐

radius-TestRadius

172.18.1.79

☐

radgrp-IUM

10.32.141.38

☐

radgrp-IUM-Test

10.32.141.146

☐

radgrp-IUM2

10.36.138.4

☐

radgrp-IUM-Test2

10.32.141.147

☐

radgrp-VNAM

172.17.83.4

Radius Group Name

radius-TestRadius

Radius Server IP

10.32.141.147

Add

Delete

. WNAM : 172.17.83.4 (management-) 100.64.25.4 (), : http://100.64.25.4/cp/dcn.

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Captive Portal Global Configuration

Enable



Operational Status

Enabled

Authentication Type

☒ External Portal ☐ Internal PortalPeer Switch Statistics Reporting Interval (secs) (15-3600, 0-Disable)

Portal Server Configuration

☐	Server Name	IP Address	Port	Server Key (Optional)	Operation
☐	wnam-portal	172.17.83.4	7749		Modify

Server Name

IP Address

Port

 (0-65535)

Server Key (Optional)

Free Resource Configuration

☐	Free Resource ID	Source IP/Mask Length	Destination IP/Mask Length
☐	1	100.64.24.0/24	100.64.25.0/24
☐	2	100.64.25.0/24	100.64.24.0/24
☐	3	100.64.24.0/24	172.17.83.0/24
☐	4	172.17.83.0/24	100.64.24.0/24

Free Resource ID

 (1-32)

Source IP/Mask Length

 (Example: 192.168.1.1/24)

Destination IP/Mask Length

 (Example: 192.168.1.1/24)

Local Auth Configuration

☐	User Name	Password	Group Name	Operation

User Name

Password

Group Name

MAC Portal Configuration

☐	MAC Portal User Mac

MAC Portal User Mac

Portal Instance Configuration

☐	Instance ID	Instance Name	Instance Mode	Protocol Mode	Verification	Operation
☐	1	VNAM	Enable	HTTP	RADIUS	Modify Custom

Modify - VNAM

Instance ID

Instance Name

Enable



Enable MAC-Portal



Protocol Mode

☒ HTTP ☐ HTTPS

Authentication Method

☒ MAC-Based ☐ MAC-IP-Based

Additional HTTP Port

 (0-65535)

Auth Mode

☒ RADIUS ☐ LDAP ☐ LOCAL ☐ NONE

Radius Auth Server Group Name

Radius Accounting Enable



Radius Accounting Server Group Name

Radius Accounting Update Interval (secs)

 (60-3600)

IPv4 Portal Server Name

IPv6 Portal Server Name

Free Resource

1 ☒ 2 ☒ 3 ☒ 4 ☒

Idle Timeout (secs)

 (0-900)

Session Timeout (secs)

 (0-86400)

Max Up Bandwidth (bytes/sec)	0	(0-536870911, 0-Unlimited)
Max Down Bandwidth (bytes/sec)	0	(0-536870911, 0-Unlimited)
Max Transmit Bytes	0	(0-4294967295, 0-Unlimited)
Max Receive Bytes	0	(0-4294967295, 0-Unlimited)
Max Total Bytes	0	(0-4294967295, 0-Unlimited)
Listen Packet Port	2000	(1-65535)
AC Name		
IPv4 URL Header	http://100.64.25.4/cj	
IPv6 URL Header		
SSID Parameter	☒	ssid
NAS-IP Parameter	☒	wlanacip
USER-MAC Parameter	☒	usermac
URL After Login	☒	srcurl
Encode Method	☒ Plain Text ☐ Base64	
Pop URL		
IPv4 Redirect Url(Click to View. The URL is a description of IPv4 Redirect URL. It is not a hyperlink.)		
IPv6 Redirect Url(Click to View. The URL is a description of IPv6 Redirect URL. It is not a hyperlink.)		
Web Page Custom		
	Custom Encoding en	Custom Language (English)
	Custom Encoding --	Custom Language

SSID (WNAM) VLAN (726) . "SSID" "WNAM", "VLAN" "726" "".

DCN

DashboardWLAN ConfigurationMonitorManagementWired Configuration

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Networks

This table list all networks that are configured. Click "New" button, you can add a new network, and click "Modify", you can edit selected network.

☐	Network ID	SSID	Vlan
☐	110	DCN_2000_Nokia	2000
☐	111	DCN_141_MAC-AUTH	141
☐	112	WNAM	726

1 2 3 4

Modify - WNAM

Network ID*

112

(1-1024)

SSID

WNAM

Hide SSID

☐

Authentication Mode

None

VLAN

726

(1-4094)

MAC Authentication Mode

☐

Portal Instance

1-WNAM

Client QoS Mode

☐

OK

Cancel

"AP Group Managment" "WLAN Configuration" SSID .

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AP Groups

This table lists basic information for all AP groups. Click "New" to create more AP groups or click "Modify" to change settings for existing AP groups. Click "Copy" to copy information to all APs in the AP group.

☐	ID	Group Name	Hardware Type	Operation
☐	1	Default	0 - Any	Modify Copy Apply
☐	100	appr-Rum-Rum	0 - Any	Modify Copy Apply
☐	101	appr-Rum-Rum-2	0 - Any	Modify Copy Apply

Modify - appr-Rum-Rum

Normal Attribute

ID	100
Group Name	appr-Rum-Rum
Hardware Type	0 - Any
Load Balance Template	none
Band Select enable	☐

AP Configuration

AP MAC		Password		Location	
Radio1: Channel	auto	Power	0 (0-100%, 0-Auto)		
Radio2: Channel	auto	Power	0 (0-100%, 0-Auto)	Add	

AP MAC	Password	Location	Radio1: Channel	Power	Radio2: Channel	Power	Operation
00-03-0f-56-16-50			Auto	Auto	Auto	Auto	Modify Delete
00-03-0f-72-c0-80			Auto	Auto	Auto	Auto	Modify Delete
00-03-0f-77-10-c0			Auto	Auto	Auto	Auto	Modify Delete

☒ 1 - 802.11b/g/n ☐ 2 - 802.11a/n

Radio

Enable	☒																										
Radio Mode	IEEE 802.11b/g/n																										
RF Scan Mode	☒ Active ☐ Sentry																										
Radio Channel Bandwidth	20 MHz																										
Supported Channels	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr><tr><td>☒</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☒</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☒</td><td>☐</td><td>☐</td></tr></table>	1	2	3	4	5	6	7	8	9	10	11	12	13	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☒	☐	☐
1	2	3	4	5	6	7	8	9	10	11	12	13															
☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☒	☐	☐															
Auto Eligible	☒																										
Rate Sets (Mbps)	<table><tr><td>1</td><td>2</td><td>5.5</td><td>6</td><td>9</td><td>11</td><td>12</td><td>18</td><td>24</td><td>36</td><td>48</td><td>54</td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☒</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr></table>	1	2	5.5	6	9	11	12	18	24	36	48	54	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐		
1	2	5.5	6	9	11	12	18	24	36	48	54																
☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐																
Basic Rate Sets	<table><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☒</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr></table>	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐														
☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐																
Supported Rate Sets	<table><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☒</td><td>☒</td><td>☒</td><td>☒</td><td>☒</td><td>☒</td><td>☒</td></tr></table>	☐	☐	☐	☐	☐	☒	☒	☒	☒	☒	☒	☒														
☐	☐	☐	☐	☐	☒	☒	☒	☒	☒	☒	☒																

VAP

Status	Network	
☒	101 - DCN_103_B2B_PROD	Edit
☒	102 - DCN_126_B2B_TEST_WPA	Edit
☒	104 - DCN_122_B2B_TEST	Edit
☒	105 - DCN_123_B2B_TEST	Edit
☒	100 - DCN_102_B2B_PROD	Edit
☒	106 - DCN_124_B2B_TEST	Edit
☒	103 - DCN_121_UCN_TEST	Edit
☒	18 - Sber_0_127	Edit
☒	19 - Sber_C_125_WPA	Edit
☒	107 - DCN_128_B2B_TEST	Edit
☒	108 - DCN_129_B2B_TEST	Edit
☒	109 - DCN_130_UCN_PROD	Edit
☒	20 - DCN_104_VIDEO_WPA_PSK	Edit
☒	110 - DCN_2000_Nokia	Edit
☒	111 - DCN_141_MAC-AUTH	Edit
☒	112 - WNAM	Edit

QoS

Template	Custom
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AP EDCA Parameters

Queue	AIFS(1 to 15)	cwMin (msecs)	cwMax (msecs)	MaxBurst (microsecs)(0 to 999900)
0 - Voice	1	3	7	1504
1 - Video	1	7	15	3008
2 - Best Effort	3	15	63	0

3 - Background	7	15	1023	0
WMM Mode ☒				
Station EDCA Parameters				
Queue	AIFS(1 to 15)	cwMin (msecs)	cwMax (msecs)	TXOP Limit (32 microsecs)(0 to 65535)
0 - Voice	2	3	7	47
1 - Video	2	7	15	94
2 - Best Effort	3	15	1023	0
3 - Background	7	15	1023	0

```

radius-server key 7 6Akg3eX9M5FcP6izEQ03ug==
radius-server authentication host 172.17.83.4 key 7 6Akg3eX9M5FcP6izEQ03ug==
access-mode wireless
radius-server accounting host 172.17.83.4 key 7 6Akg3eX9M5FcP6izEQ03ug==
aaa-accounting enable
aaa enable
!
aaa group server radius radgrp-WNAM
server 172.17.83.4
!

network 112
ssid WNAM
vlan 726
!

captive-portal
enable
authentication-mode pap
portal version 2
nas-ipv4 172.16.79.221
external portal-server server-name wnam-portal ipv4 172.17.83.4
free-resource 1 destination ipv4 100.64.25.0/24 source ipv4 100.64.24.0/24
free-resource 2 destination ipv4 100.64.24.0/24 source ipv4 100.64.25.0/24
free-resource 3 destination ipv4 172.17.83.0/24 source ipv4 100.64.24.0/24
free-resource 4 destination ipv4 100.64.24.0/24 source ipv4 172.17.83.0/24
configuration 1
enable
name WNAM
radius accounting
protocol http
radius-acct-server radgrp-WNAM
radius-auth-server radgrp-WNAM
mac-portal authentication
redirect attribute url-after-login enable
redirect attribute ssid enable
redirect attribute nas-ip enable
redirect attribute usermac enable
redirect url-head http://100.64.25.4/cp/dcn
portal-server ipv4 wnam-portal
free-resource 1
free-resource 2
free-resource 3
free-resource 4
interface ws-network 112
!

```