

DCN

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

"Security Authentication" "WLAN Configuration" RADIUS- ().

Radius Configuration

Global Configuration

<input type="checkbox"/>	Radius Authentication Server Configuration	Authentication Server Port(optional)	Primary Authentication Server
<input type="checkbox"/>	10.32.141.147	1812	no
<input type="checkbox"/>	10.32.141.146	1812	no
<input type="checkbox"/>	10.32.141.38	1812	no
<input type="checkbox"/>	10.36.138.4	1812	no
<input type="checkbox"/>	172.18.1.79	1812	no
<input type="checkbox"/>	10.36.131.167	1812	no
<input type="checkbox"/>	172.17.83.4	1812	no

Radius Authentication Server Configuration

<input type="checkbox"/>	Radius Accounting Server Configuration	Accounting Server Port(optional)	Primary Accounting Server
<input type="checkbox"/>	10.32.141.147	1813	no
<input type="checkbox"/>	10.32.141.146	1813	no
<input type="checkbox"/>	10.32.141.38	1813	no
<input type="checkbox"/>	10.36.138.4	1813	no
<input type="checkbox"/>	172.18.1.79	1813	no
<input type="checkbox"/>	10.36.131.167	1813	no
<input type="checkbox"/>	172.17.83.4	1813	no

Authentication Server IP Authentication Server Port (optional) Primary Authentication Server Add Delete

Radius Accounting Server Configuration

<input type="checkbox"/>	Radius Accounting Server Configuration	Accounting Server Port(optional)	Primary Accounting Server
<input type="checkbox"/>	10.32.141.147	1813	no
<input type="checkbox"/>	10.32.141.146	1813	no
<input type="checkbox"/>	10.32.141.38	1813	no
<input type="checkbox"/>	10.36.138.4	1813	no
<input type="checkbox"/>	172.18.1.79	1813	no
<input type="checkbox"/>	10.36.131.167	1813	no
<input type="checkbox"/>	172.17.83.4	1813	no

Accounting Server IP Accounting Server Port (optional) Primary Accounting Server Add Delete

"Radius Group Name" "Add".

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**

172.17.83.4 1813 no

Accounting Server IP Accounting Server Port (optional) Primary Accounting Server Add Delete

Radius Group Manage

<input type="checkbox"/>	Radius Group Name
<input type="checkbox"/>	radius-TestRadius
<input type="checkbox"/>	radgrp-IUM
<input type="checkbox"/>	radgrp-IUM-Test
<input type="checkbox"/>	radgrp-IUM2
<input type="checkbox"/>	radgrp-IUM-Test2
<input type="checkbox"/>	radgrp-VNAM

Radius Group Name Add Delete

Radius Configuration

<input type="checkbox"/>	Radius Group Name	Radius Server IP
<input type="checkbox"/>	radius-TestRadius	172.18.1.79
<input type="checkbox"/>	radgrp-IUM	10.32.141.38
<input type="checkbox"/>	radgrp-IUM-Test	10.32.141.146
<input type="checkbox"/>	radgrp-IUM2	10.36.138.4
<input type="checkbox"/>	radgrp-IUM-Test2	10.32.141.147
<input type="checkbox"/>	radgrp-VNAM	172.17.83.4

Radius Group Name Radius Server IP 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	<input checked="" type="checkbox"/>
Operational Status	Enabled
Authentication Type	<input checked="" type="radio"/> External Portal <input type="radio"/> Internal Portal
Peer Switch Statistics Reporting Interval (secs)	120 (15-3600, 0-Disable)

Portal Server Configuration

<input type="checkbox"/>	Server Name	IP Address	Port	Server Key (Optional)	Operation
<input type="checkbox"/>	wnam-portal	172.17.83.4	7749		Modify

Server Name	wnam-portal
IP Address	172.17.83.4
Port	7749 (0-65535)
Server Key (Optional)	<input type="text"/> Save Delete

Free Resource Configuration

<input type="checkbox"/>	Free Resource ID	Source IP/Mask Length	Destination IP/Mask Length
<input type="checkbox"/>	1	100.64.24.0/24	100.64.25.0/24
<input type="checkbox"/>	2	100.64.25.0/24	100.64.24.0/24
<input type="checkbox"/>	3	100.64.24.0/24	172.17.83.0/24
<input type="checkbox"/>	4	172.17.83.0/24	100.64.24.0/24

Free Resource ID	1 (1-32)
Source IP/Mask Length	100.64.24.0/24 (Example:192.168.1.1/24)
Destination IP/Mask Length	100.64.25.0/24 (Example:192.168.1.1/24) Save Delete

Local Auth Configuration

<input type="checkbox"/>	User Name	Password	Group Name	Operation
<input type="checkbox"/>	<input type="text"/>	<input type="password"/>	<input type="text"/>	
<input type="checkbox"/>	<input type="password"/>	<input type="text"/>	<input type="button" value="Add"/> <input type="button" value="Delete"/>	
<input type="checkbox"/>	<input type="text"/>	<input type="button" value="Add"/> <input type="button" value="Delete"/>		

MAC Portal Configuration

<input type="checkbox"/>	MAC Portal User Mac	Add Delete
<input type="checkbox"/>	<input type="text"/>	Add Delete

Portal Instance Configuration

<input type="checkbox"/>	Instance ID	Instance Name	Instance Mode	Protocol Mode	Verification	Operation
<input type="checkbox"/>	1	WNAM	Enable	HTTP	RADIUS	Modify Custom
Modify - WNAM						
Instance ID	1	Instance Name	WNAM			
Enable	<input checked="" type="checkbox"/>	Enable MAC-Portal	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> HTTP <input type="radio"/> HTTPS		
Protocol Mode		Authentication Method	<input checked="" type="radio"/> MAC-Based <input type="radio"/> MAC-IP-Based			
Additional HTTP Port	0 (0-65535)	Auth Mode	<input checked="" type="radio"/> RADIUS <input type="radio"/> LDAP <input type="radio"/> LOCAL <input type="radio"/> NONE			
Radius Auth Server Group Name	radgrp-VNAM	Radius Accounting Enable	<input checked="" type="checkbox"/>			
Radius Accounting Server Group Name	radgrp-VNAM	Radius Accounting Update Interval (secs)	300 (60-3600)			
IPv4 Portal Server Name	wnam-portal	IPv6 Portal Server Name	None			
Free Resource	1 <input checked="" type="checkbox"/>	Idle Timeout (secs)	0 (0-900)			
	2 <input checked="" type="checkbox"/>	Session Timeout (secs)	86400 (0-86400)			
	3 <input checked="" type="checkbox"/>					
	4 <input checked="" type="checkbox"/>					

Max Up Bandwidth (bytes/sec)	<input type="text" value="0"/> (0-536870911, 0-Unlimited)
Max Down Bandwidth (bytes/sec)	<input type="text" value="0"/> (0-536870911, 0-Unlimited)
Max Transmit Bytes	<input type="text" value="0"/> (0-4294967295, 0-Unlimited)
Max Receive Bytes	<input type="text" value="0"/> (0-4294967295, 0-Unlimited)
Max Total Bytes	<input type="text" value="0"/> (0-4294967295, 0-Unlimited)
Listen Packet Port	<input type="text" value="2000"/> (1-65535)
AC Name	<input type="text"/>
IPv4 URL Header	<input type="text" value="http://100.64.25.4/cj"/>
IPv6 URL Header	<input type="text"/>
SSID Parameter	<input checked="" type="checkbox"/> ssid
NAS-IP Parameter	<input checked="" type="checkbox"/> wlanacip
USER-MAC Parameter	<input checked="" type="checkbox"/> usermac
URL After Login	<input checked="" type="checkbox"/> srcurl
Encode Method	<input checked="" type="radio"/> Plain Text <input type="radio"/> Base64
Pop URL	<input type="text"/>
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 <input type="button" value="en"/> Custom Language <input type="text" value="English"/>
	Custom Encoding <input type="button" value="--"/> Custom Language <input type="text"/>

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

DCN

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Networks

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

<input type="checkbox"/>	Network ID	SSID	Vlan
<input type="checkbox"/>	110	DCN_2000_Nokia	2000
<input type="checkbox"/>	111	DCN_141_MAC-AUTH	141
<input type="checkbox"/>	112	WNAM	726

1 2 3 4

Modify - WNAM

Network ID*	<input type="text" value="112"/> (1-1024)
SSID	<input type="text" value="WNAM"/>
Hide SSID	<input type="checkbox"/>
Authentication Mode	<input type="button" value="None"/>
VLAN	<input type="text" value="726"/> (1-4094)
MAC Authentication Mode	<input type="checkbox"/>
Portal Instance	<input type="button" value="1-WNAM"/>
Client QoS Mode	<input type="checkbox"/>

"AP Group Management" "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.

<input type="checkbox"/>	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	<input type="checkbox"/>

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	<input checked="" type="checkbox"/>
Radio Mode	IEEE 802.11b/g/n
RF Scan Mode	<input checked="" type="radio"/> Active <input type="radio"/> Sentry
Radio Channel Bandwidth	20 MHz
Supported Channels	1 2 3 4 5 6 7 8 9 10 11 12 13
Auto Eligible	<input checked="" type="checkbox"/>
Rate Sets (Mbps)	1 2 5.5 6 9 11 12 18 24 36 48 54
Basic Rate Sets	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Supported Rate Sets	<input type="checkbox"/> <input checked="" type="checkbox"/>

VAP

Status	Network	Edit
<input checked="" type="checkbox"/>	101 - DCN_103_B2B_PROD	Edit
<input checked="" type="checkbox"/>	102 - DCN_126_B2B_TEST_WPA	Edit
<input checked="" type="checkbox"/>	104 - DCN_122_B2B_TEST	Edit
<input checked="" type="checkbox"/>	105 - DCN_123_B2B_TEST	Edit
<input checked="" type="checkbox"/>	100 - DCN_102_B2B_PROD	Edit
<input checked="" type="checkbox"/>	106 - DCN_124_B2B_TEST	Edit
<input checked="" type="checkbox"/>	103 - DCN_121_UCN_TEST	Edit
<input checked="" type="checkbox"/>	18 - Sber_O_127	Edit
<input checked="" type="checkbox"/>	19 - Sber_C_125_WPA	Edit
<input checked="" type="checkbox"/>	107 - DCN_128_B2B_TEST	Edit
<input checked="" type="checkbox"/>	108 - DCN_129_B2B_TEST	Edit
<input checked="" type="checkbox"/>	109 - DCN_130_UCN_PROD	Edit
<input checked="" type="checkbox"/>	20 - DCN_104_VIDEO_WPA_PSK	Edit
<input checked="" type="checkbox"/>	110 - DCN_2000_Nokia	Edit
<input checked="" type="checkbox"/>	111 - DCN_141_MAC-AUTH	Edit
<input checked="" type="checkbox"/>	112 - WNAM	Edit

QoS

Template [Custom](#)

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 <input checked="" type="checkbox"/>				
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
!
```