

RADIUS

1.5.2074 WNAME - RADIUS. , (, ,), WNAME, . , , Active Directory RADIUS- . WNAME " " () RADIUS-, , Active Directory.

RADIUS- Cisco ACS 5.8 .

, () - RADIUS-, (, ..) . 208 IETF.

My Workspace

Network Resources

Users and Identity Stores

Policy Elements

Access Policies

Monitoring and Reports

System Administration

Software Repositories

Scheduled Backups

Scheduled Policy Export

Local Operations

Configuration

Global System Options

Dictionaries

Protocols

RADIUS

RADIUS IETF

RADIUS VSA

System Administration > Configuration > Dictionaries > Protocols > RADIUS > RADIUS IETF

RADIUS Dictionary

Filter: Match if: Go

☐	Attribute	ID	Type	Direction	Multiple Allowed
☐	Tunnel-Type	64	Tagged Enum	BOTH	true
☐	User-Name	1	String	INBOUND	false
☐	User-Password	2	HEX String	INBOUND	false
☐	WNAME-208	208	String	OUTBOUND	false

(, WNAME-208) : String.

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Dictionaries

Protocols

RADIUS

RADIUS IETF

RADIUS VSA

System Administration > Configuration > Dictionaries > Protocols > RADIUS > RADIUS IETF > Edit: "WNAME-208"

General

Attribute:

Description:

RADIUS Configuration

Attribute ID: 208

Direction:

Multiple Allowed:

Attribute Type

Attribute Type: String

= Поля обязательны для заполнения

My Workspace

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Protocols

RADIUS

RADIUS IETF

RADIUS VSA

Ascend

Cisco

Cisco Airespace

Cisco Aironet

Cisco BBSM

Cisco VPN 3000/ASA/PIX

Cisco VPN 5000

Juniper

Microsoft

Nortel (Bay)

RedCreek

US Robotics

TACACS+

Identity

Internal Users

Internal Hosts

System Administration > Configuration > Dictionaries > Identity > Internal Users

Attributes List

Filter: Match if:

Go

☐	Attribute	Type	Description
☐	WnamRole	String	

WnamRole.

System Administration > Configuration > Dictionaries > Identity > [Internal Users](#) > Edit: "WnamRole"

General

Attribute:

Description:

Attribute Type

Attribute Type: String

Maximum Length:

Default Value:

Attribute Configuration

☒ Mandatory Fields

☐ Add Policy Condition

Policy Condition Display Name:

⚙ = Поля обязательны для заполнения

Left Sidebar:

- My Workspace
- Network Resources
- Users and Identity Stores
- Policy Elements
- Access Policies
- Monitoring and Reports
- System Administration**
 - Protocols
 - RADIUS
 - RADIUS IETF
 - RADIUS VSA
 - Ascend
 - Cisco
 - Cisco Airespace
 - Cisco Aironet
 - Cisco BBSM
 - Cisco VPN 3000/ASA/PIX
 - Cisco VPN 5000
 - Juniper
 - Microsoft
 - Nortel (Bay)
 - RedCreek
 - US Robotics
 - TACACS+
 - Identity
 - Internal Users**
 - Internal Hosts

(RADIUS-) - WNAM (WNAM servers).

Network Resources > [Network Device Groups](#) > Device Type

Network Device Groups

Filter: Match if:

☐	Name	Description
☐	All Device Types	All Device Types
☐	VPN Service	
☐	WirelessServices	
☒	WNAM servers	

Left Sidebar:

- My Workspace
- Network Resources**
 - Network Device Groups
 - Location
 - Device Type**
 - Network Devices and AAA Clients
 - Default Network Device
 - External Proxy Servers
 - OCSP Services
 - Users and Identity Stores
 - Policy Elements

WNAM 172.16.135.6, RADIUS- (WNAM RADIUS-).

Network Resources > Network Devices and AAA Clients > Edit: "wnam"

Name:

Description:

Network Device Groups

Location:

Device Type:

IP Address

☒ Single IP Address ☐ IP Subnets ☐ IP Range(s)

IP:

Authentication Options

☒ TACACS+ ☐

☒ RADIUS ☐

Shared Secret:

CoA port:

☐ Enable KeyWrap

Key Encryption Key:

Message Authenticator Code Key:

Key Input Format ☐ ASCII ☒ HEXADECIMAL

Security Group Access (SGA) ☐

⚙ = Поля обязательны для заполнения

(WNAM, WNAM admins).

My Workspace

Network Resources

Users and Identity Stores

Identity Groups

Internal Identity Stores

Users

Hosts

External Identity Stores

LDAP

Active Directory

RSA SecurID Token Servers

Users and Identity Stores > Identity Groups

Identity Groups

Filter: Match if:

☐	Name	Description
☐	▼ All Groups	Identity Group Root
☐	mschap users	
☐	WNAM admins	

(), (WnamRole) :

- ADMIN;
- OPERATOR;
- OPERATOR_LIM;
- PORTAL;
- VIEWER.

My Workspace

Network Resources

Users and Identity Stores

Identity Groups

Internal Identity Stores

Users

Hosts

External Identity Stores

LDAP

Active Directory

RSA SecurID Token Servers

RADIUS Identity Servers

Certificate Authorities

Certificate Authentication Profile

Identity Store Sequences

Policy Elements

Access Policies

Monitoring and Reports

System Administration

Users and Identity Stores > Internal Identity Stores > Users > Create

General

Name: operator Status: Enabled

Description:

Identity Group: All Groups:WNAM admins Select

Email Address:

Account Disable

Disable Account if Date Exceeds: 2019-May-09 (yyyy-Mmm-dd)

Disable account after 3 successive failed attempts

Password Hash

Enable Password Hash

Applicable only for Internal Users to store password as Authentication types CHAP/MSCHAP will not work if th While disabling the hash, ensure that password is reco

Password Lifetime

Password Never Expired/Disabled: Overwrites user account blocking in case password expired/disabled

Password Information

Password must:

- Contain 4 - 32 characters

Password Type: Internal Users Select

Password:

Confirm Password:

Change password on next login

User Information

WnamRole: OPERATOR

= Поля обязательны для заполнения

Submit

Cancel

My Workspace

Network Resources

Users and Identity Stores

Identity Groups

Internal Identity Stores

Users

Hosts

External Identity Stores

LDAP

Users and Identity Stores > Internal Identity Stores > Users

Internal Users

Filter: Match if: Go

	Status	User Name	Identity Group	Description
☐		support	All Groups:WNAM admins	
☐		wnam	All Groups:WNAM admins	

(,).

My Workspace

Network Resources

Users and Identity Stores

Policy Elements

Session Conditions

Date and Time

Custom

Network Conditions

End Station Filters

Device Filters

Device Port Filters

Authorization and Permissions

Network Access

Authorization Profiles

Security Groups

Policy Elements > Authorization and Permissions > Network Access > Authorization Profiles

Authorization Profiles

Filter: Match if:

Go

☐	Name	Description
☐	Permit Access	
☐	WNAM admin access	

My Workspace

Network Resources

Users and Identity Stores

Policy Elements

Session Conditions

Date and Time

Custom

Network Conditions

End Station Filters

Device Filters

Device Port Filters

Authorization and Permissions

Network Access

Authorization Profiles

Security Groups

Policy Elements > Authorization and Permissions > Network Access > Authorization Profiles

General Common Tasks RADIUS Attributes

Name:

WNAM admin access

×

Description:

⚙ = Поля обязательны для заполнения

My Workspace

Network Resources

Users and Identity Stores

Policy Elements

Session Conditions

- Date and Time
- Custom

Network Conditions

- End Station Filters
- Device Filters
- Device Port Filters

Authorization and Permissions

- Network Access
 - Authorization Profiles
 - Security Groups
- Device Administration
 - Shell Profiles
 - Command Sets
- Named Permission Objects
 - Downloadable ACLs
 - Security Group ACLs

Access Policies

Monitoring and Reports

System Administration

Policy Elements > Authorization and Permissions > Network Access > Authorization Profiles > Edit: "WNAM admin access"

GeneralCommon TasksRADIUS Attributes

Common Tasks Attributes

Attribute	Type	Value

Manually Entered

Attribute	Type	Value
WNAM-208	String	[Internal Users]WnamRole

Add ^Edit VReplace ^Delete

Dictionary Type: RADIUS-IETF

RADIUS Attribute: WNAM-208Select

Attribute Type: String

Attribute Value: Dynamic

Internal UsersWnamRoleSelect

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My Workspace

Network Resources

Users and Identity Stores

Policy Elements

Access Policies

Access Services

- Service Selection Rules
- Default Device Admin
 - Identity
- Authorization
- Default Network Access
 - Identity
- Authorization

Access Policies > Access Services > Default Network Access > Identity

☐ Single result selection☒ Rule based result selection

Identity Policy

Filter: StatusMatch if: EqualsClear FilterGo

	☐	Status	Name	Conditions	Authentication Method	Results	Hit Count
				Compound Condition		Identity Source	
1	☐	+	Rule-VPN	NDG:Device Type in All Device Types:VPN Service	match PAP_ASCII	AD1	8761
2	☐	+	Rule-mschap	System:Protocol match Radius	match MSCHAPV2	IdStoreSeq1	647699
3	☐	+	Rule-AD	System:AuthenticationMethod match MSCHAPV2	-ANY-	AD1	0
4	☐	+	Rule-WNAM	NDG:Device Type in All Device Types:WNAM servers	match PAP_ASCII	Internal Users	29



Rule-WNAM: - "WNAM" - PAP, -, Internal Users.

General

Name: Status:

The Customize button in the lower right area of the policy rules screen controls which policy conditions and results are available here for use in policy rules.

Conditions

☒ Compound Condition:

Condition:

Dictionary: Attribute:

Operator: Value:

Current Condition Set:

NDG:Device Type in All Device Types:WNAM servers

☒ Authentication Method:

Results

Identity Source:

Access Policies > Access Services > Default Network Access > Authorization

Standard Policy | [Exception Policy](#)

Network Access Authorization Policy

Filter: Match if:

	☐	Status	Name	Authentication Status	Conditions	Results Authorization Profiles	Hit Count
1	☐		Rule-1	match AuthenticationPassed	Internal Users:UserIdentityGroup in All Groups:mschap users	Permit Access	0
2	☐		Rule-2	match AuthenticationPassed	NDG:Device Type in All Device Types:WNAM servers	WNAM admin access	20

"WNAM admin access", .. 208 .

Cisco Secure ACS -- Диалоговое окно веб-страницы

General
 Name: Status:

The Customize button in the lower right area of the policy rules screen controls which policy conditions and results are available here for use in policy rules.

Conditions
☒ Authentication Status:
☒ Compound Condition:
Condition:
 Dictionary: Attribute:
 Operator: Value:

Current Condition Set:

Results
 Authorization Profiles:

WNAM , , (hex- 208-):

```

root@debian64:~# radtest support support acs58.local 1 wnam
Sending Access-Request of id 111 to 72.211.44.19 port 1812
  User-Name = "support"
  User-Password = "support"
  NAS-IP-Address = 127.0.1.1
  NAS-Port = 1
  Message-Authenticator = 0x00000000000000000000000000000000
rad_recv: Access-Accept packet from host 72.211.44.19 port 1812, id=111,
length=86
  User-Name = "support"
  Class = 0x434143533a61637335382f3332383334323737352f3137333373238
  Message-Authenticator = 0x2eddfaf2d924b50f6f21290d9d2bc908
  Attr-208 = 0x4f50455241544f52

```

, WNAM. - RADIUS- /etc/wnam.properties, .

radius_webuser_auth	True false (), RADIUS.
radius_webuser_server	, IP- DNS- RADIUS-.
radius_webuser_secret	.
radius_webuser_attr	, .
radius_webuser_create	True false (). " -" RADIUS-. , , . RADIUS-.