

Manually configure attribute “Juniper-CWA-Redirect-URL” under Juniper Dictionary. This attribute will support dynamic URL redirection for Posturing.

The screenshot shows the Cisco Identity Services Engine (ISE) configuration interface. The breadcrumb navigation is: Dictionaries > ... > Juniper > Juniper-CWA-Redirect-URL. The configuration form includes the following fields:

- \* Attribute Name: Juniper-CWA-Redirect-URL
- Description: (empty text box)
- \* Data Type: STRING (dropdown menu)
- Enable MAC option:
- \* Direction: BOTH (dropdown menu)
- \* ID: 50 (text box, range 0-255)
- Allow Tagging:
- Allow multiple instances of this attribute in a profile:

At the bottom of the form are "Save" and "Reset" buttons. On the left, a "Dictionaries" sidebar shows a tree view with various categories like hbctxdm.com, Identity Mapping, IdentityGroup, InternalCA, InternalEndpoint, InternalUser, IOTASSET, IP, LLDP, MAC, MDM\_LOG, and MSE.

Ensure attached Juniper\_EX Network Device Profile is imported on Cisco ISE.

The screenshot shows the Cisco Identity Services Engine (ISE) Network Device Profiles page. The breadcrumb navigation is: Administration > Network Resources > Network Device Profiles. The page title is "Network Device Profiles".

At the top, there are several action buttons: Edit, Add, Duplicate, Import, Cisco Communities Import, Export Selected, and Delete Selected. There is also a "Show" button and a "Quick Filter" input field.

Name	Description	Vendor	Source
Juniper_EX			
Juniper_EX	Profile for Juniper EX Switches	Juniper	User Defined

A yellow callout box points to a link that says "Click here to do visibility setup Do not show".

- To support dynamic URL Redirection, ensure following configuration in Juniper\_EX profile under Redirect tab.

The screenshot shows the Cisco Identity Services Engine (ISE) configuration interface. The breadcrumb navigation is: Home > Context Visibility > Operations > Policy > Administration > Work Centers. The main navigation bar includes: System, Identity Management, Network Resources, Device Portal Management, pxGrid Services, Feed Service, Threat Centric NAC, Network Devices, Network Device Groups, Network Device Profiles, External RADIUS Servers, RADIUS Server Sequences, NAC Managers, External MDM, and Location Services. The 'Redirect' tab is active, showing the following configuration:

- Type: Dynamic URL
- Configuration: Juniper:Juniper-CWA-Redirect-URL = \${URL}
- Dynamic URL Parameter:
  - Session ID
  - Client MAC Address
  - None
- Redirect URL Parameter Names:
  - Client IP Address: [ ]
  - Client MAC Address: client\_mac
  - Originating URL: redirect
  - Session ID: SessionId
  - SSID: [ ]

A "Jump To Top" link is visible at the bottom right of the configuration area.

- Ensure below configuration in Juniper\_EX profile to support CoA functionality.

[Network Device Profile List > Juniper\\_EX](#)

### Network Device Profiles

The screenshot shows the configuration page for the Juniper\_EX Network Device Profile. The configuration is as follows:

- \* Name: Juniper\_EX
- Description: Profile for Juniper EX Switches
- Icon: [Change icon...] [Set To Default] [i]
- Vendor: Juniper
- Supported Protocols:
  - RADIUS:
  - TACACS+:
  - TrustSec:
- RADIUS Dictionaries: Cisco x Juniper x

### ▼ Change of Authorization (CoA)

CoA by

\* Default CoA Port  ⓘ

\* Default DTLS CoA Port  ⓘ

\* Timeout Interval  seconds ⓘ

\* Retry Count  ⓘ

Send Message-Authenticator

#### Disconnect

RFC 5176

<input type="text" value="Radius:Acct-Session-Id"/>	=	<input type="text" value="0"/>	-	+
<input type="text" value="Radius:Event-Timestamp"/>	=	<input type="text" value="0"/>	-	+
<input type="text" value="Radius:User-Name"/>	=	<input type="text" value="0"/>	-	+
<input type="text" value="Radius:User-Password"/>	=	<input type="text" value="0"/>	-	+

Port Bounce

#### Re-authenticate

Basic

<input type="text" value="Cisco:cisco-av-pair"/>	=	<input type="text" value="subscriber:command=reauthentic"/>	-	+
<input type="text" value="Radius:Acct-Session-Id"/>	=	<input type="text" value="0"/>	-	+
<input type="text" value="Radius:Calling-Station-ID"/>	=	<input type="text" value="0"/>	-	+
<input type="text" value="Radius:User-Name"/>	=	<input type="text" value="0"/>	-	+

- Authorization Profile for Posture Unknown. Traffic explicitly allowed here is bypassed from Redirection and hence by default rest of traffic will be redirected by Juniper switch.

Authorization Profiles > **Posture\_Unknown\_Juniper**

### Authorization Profile

\* Name

Description

\* Access Type

Network Device Profile

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▼ **Common Tasks**

VLAN

Web Redirection (CWA, MDM, NSP, CPP) ⓘ

Value

▼ **Advanced Attributes Settings**

Juniper:Juniper-Switching-Filter	=	match destination-ip 10.227.20...	—
Juniper:Juniper-Switching-Filter	=	match destination-ip 0.0.0.0/0 ...	—
Juniper:Juniper-Switching-Filter	=	match destination-ip 10.225.16...	—
Juniper:Juniper-Switching-Filter	=	match destination-ip 10.226.14...	—
Juniper:Juniper-Switching-Filter	=	match destination-ip 10.227.4....	— +

▼ **Attributes Details**

Access Type = ACCESS\_ACCEPT  
 Juniper-CWA-Redirect-URL = https://ip:port/portal/gateway?SessionId=SessionIdValue&portal=f189d6e0-7159-11e7-a355-005056aba474&action=cpp  
 Juniper-Switching-Filter = match destination-ip 10.227.208.156 action allow  
 Juniper-Switching-Filter = match destination-ip 0.0.0.0/0 destination-port 53 action allow  
 Juniper-Switching-Filter = match destination-ip 10.225.16.232 action allow, match destination-ip 10.226.68.99 action allow  
 Juniper-Switching-Filter = match destination-ip 10.226.14.98 action allow, match destination-ip 10.227.4.35 action allow  
 Juniper-Switching-Filter = match destination-ip 10.227.4.36 action allow

- Authorization Profile for Posture Compliant


Authorization Profiles > [Posture\\_Compliant\\_Juniper](#)

### Authorization Profile

\* Name

Description

\* Access Type





Network Device Profile  

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▶ **Common Tasks**

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▼ **Advanced Attributes Settings**

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▼ **Attributes Details**

Access Type = ACCESS\_ACCEPT  
Juniper-Switching-Filter = match destination-ip 0.0.0.0/0 action allow