Checkpoint firewall Quick Integration Guide

for PacketFence version 7.4.0

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About this Guide

This guide has been created in order to help sales engineers, product managers, or network specialists demonstrate the PacketFence capabilities on-site with an existing or potential customer. It can also provide guidelines to setup a proof of concept for a potential PacketFence deployment using the **Checkpoint firewall**.

Assumptions

- You have a configured PacketFence environment with working test equipment;
- You have a Checkpoint firewall.

Quick installation

Step 1: Enabling Identity Awareness on the Security Gateway

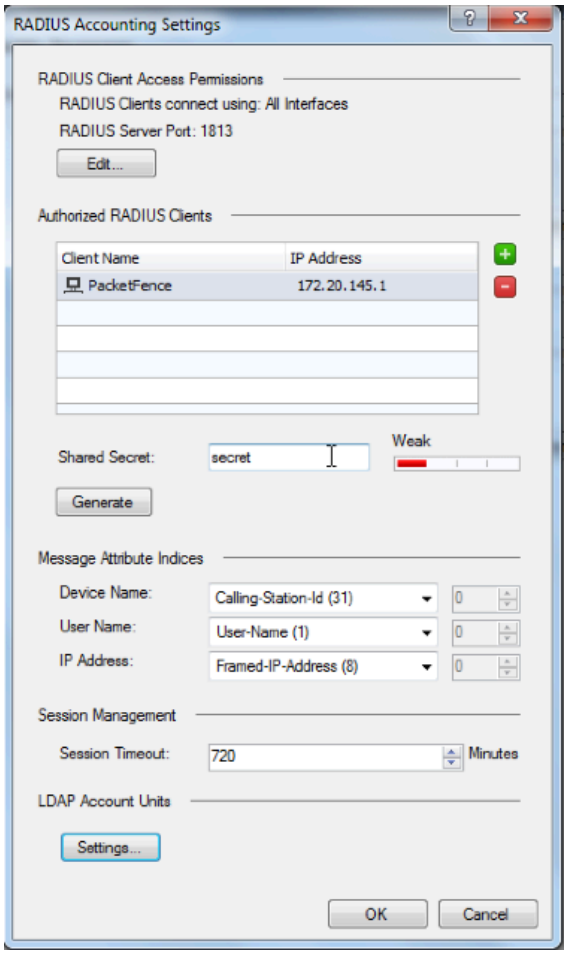
To enable Identity Awareness:

1. Log in to *SmartDashboard*.
2. From the *Network Objects tree*, expand the *Check Point branch*.
3. Double-click the *Security Gateway* on which to enable *Identity Awareness*.
4. In the *Software Blades* section, select *Identity Awareness* on the *Network Security tab*. The *Identity Awareness Configuration* wizard opens.
5. Select *one or more options*. These options set the methods for acquiring identities of managed and unmanaged assets.
6. Select *AD Query - Lets the Security Gateway seamlessly identify Active Directory users and computers* and click Next. The *Integration With Active Directory* window opens.
7. Select the Active Directory to configure from the list that shows configured LDAP account units or create a new domain. If you have not set up Active Directory, you need to enter a domain name, username, password and domain controller credentials.
8. Enter the Active Directory credentials and click Connect to verify the credentials. (Important - For AD Query you must enter domain) administrator credentials.
9. Click Finish.

Step 2: Enabling RADIUS Accounting on a Security Gateway

To enable RADIUS Accounting for a Security Gateway: 1. In the *SmartDashboard Network Objects tree*, open the Security Gateway. 2. On the *General Properties* page, make sure that the Identity Awareness Blade is enabled. 3. On the *Identity Awareness* page, select RADIUS Accounting.

Step 3: Configuring RADIUS Accounting



1. In the *Check Point Gateway* window > *Identity Awareness* panel, click *Settings* (to the right of the RADIUS Accounting option).

2. In the *RADIUS Accounting Settings* window, configure the *Message Attribute Indices* like this:
   - **Device Name**: Calling-Station-Id (31) (MAC Address of the device)
   - **User Name**: User-Name (1) (Username put on the PacketFence Portal)
   - **Device Name**: Framed-IP-Address (8) (IP Address of the device in the production network)

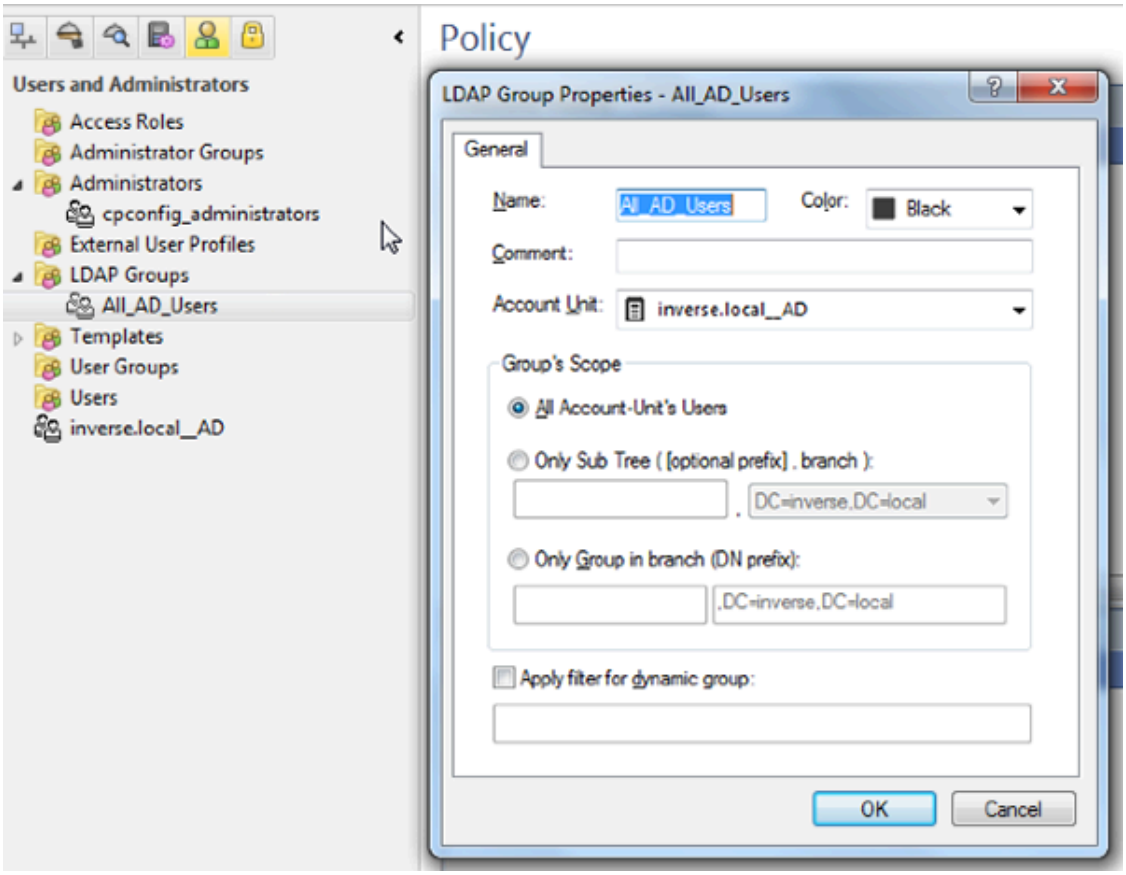
Step 4: RADIUS Client Access Permissions

Gateway interfaces must be authorized to accept connections from PacketFence RADIUS Accounting.

To select gateway interfaces: 1. In the *RADIUS Client Access Permissions* section, click Edit. 2. Select *All Interfaces - All Security Gateway interfaces can accept connections from RADIUS Accounting clients*. 3. Leave the default port to 1813. 4. Click OK on both windows to submit the configuration. 5. Select *Policy* > *Install* from the SmartDashboard menu.

Step 5: LDAP Groups

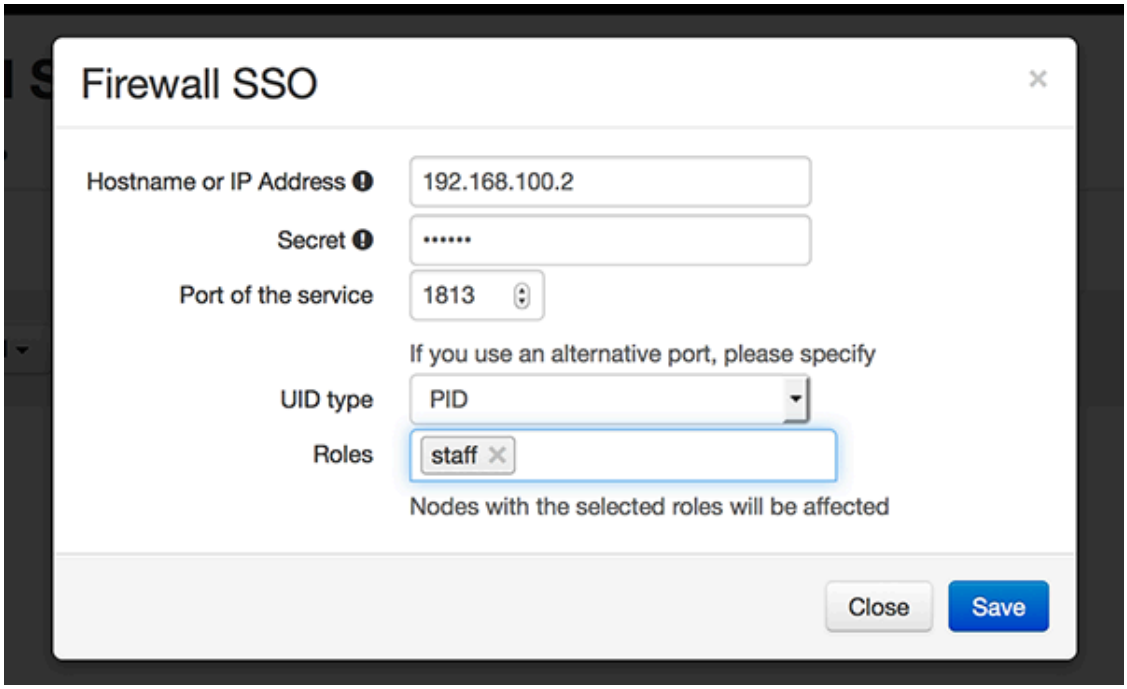
Make sure that you have the correct LDAP Objects created on the Checkpoint.



Step 6: SSO Configuration in PacketFence

Go to **Configuration → Firewall SSO → Add Firewall → Checkpoint **.

- **Hostname or IP Address**: IP of your Checkpoint firewall
- **Secret or Key**: secret (radius shared secret)
- **Port**: 1813
- **Roles**: add the roles that you want to do SSO with



Step 7: Verification

You can check the correct log in with the SmartView Tracker under **Network & Endpoint Queries → Predefined → Identity Awareness Blade → Login Activity**