Integration Guide

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About this Document

This document provides step-by-step guidance on how to integrate your Jamf Pro account with Discern Security.

Introduction

Discern Security platform integrates with Jamf Pro to pull data, providing a holistic view of your cybersecurity posture. Discern retrieves information for the following:

- Computer Groups
- Devices (Computers)
- Ldap Servers
- Mobile Device Applications
- Mobile Devices
- Osx Configuration Profiles
- Patch Policies
- Patch Software Title Configuration
- Policies
- SSO
- User Groups
- Users
- Webhooks

Requirements

To proceed with this integration, you must have an **account** in **Jamf Pro** with **required permissions** mentioned below.

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Required Permissions

To get all the required data from Jamf (Classic/Pro) APIs and to implement the Discern Security recommended remediation actions, you will need to have sufficient Permissions enabled.

Type of Data	API Type	Scope
Computers, LDAP Servers, Mobile Device Apps, Mobile Devices, macOS Configuration Profiles, Policies, Smart User Groups or Static, Users, Webhooks	**Classic**	**Read**
Computer Groups, Patch Policies, Patch Software Title Configurations, SSO	**Pro**	**Read Patch Management Software Titles** **Read SSO Settings** **Read Push Certificates** **Read Computers** **Read Accounts** **Read Patch Management Settings**

NOTE:

- **Classic API:** Authenticate with `username`, `password`, and `domain`. Make sure all required above `scopes` from the linked docs are granted.
- **Pro API:** Authenticate with client_id, client_secret, and domain. Ensure the previously noted scopes are granted.

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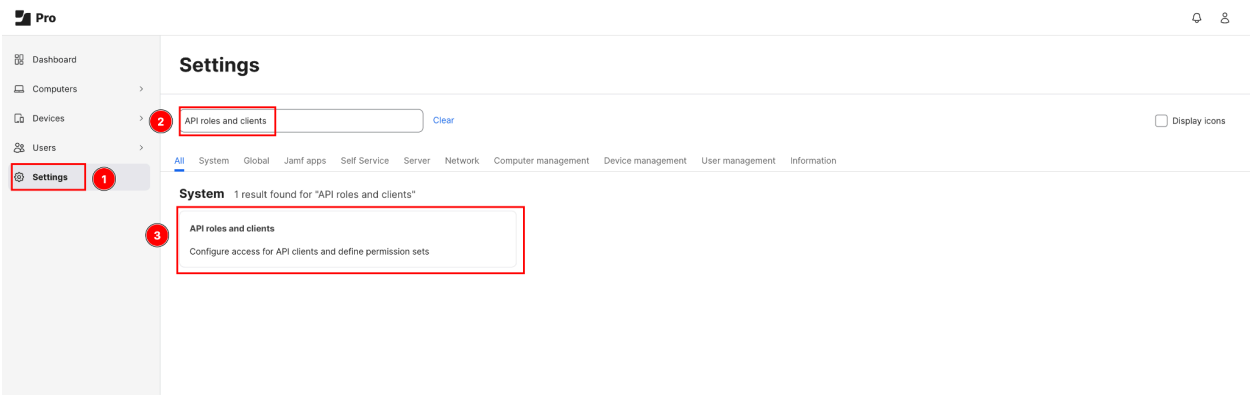
Prerequisites

This integration requires access across **Jamf** and the **Discern Security** Management Console

Generate Connection Details

How to Generate Client ID and Client Secret

1. Login to your Jamf account.
2. Click on the Settings from left navigation.
3. Search for “API roles and clients” and open it.



4. On the API Keys page, Click on the New button available at the top-right of the screen.

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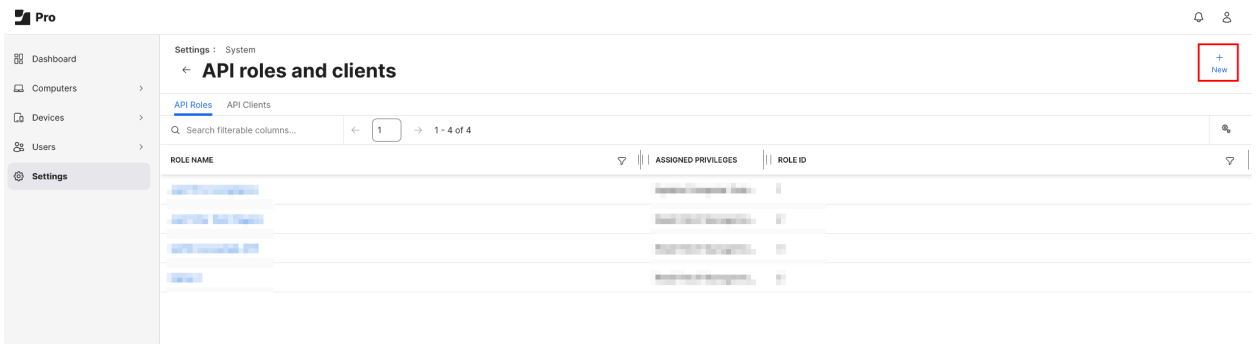

5. Enter the Display Name.
6. Select the below permission from the dropdown
    - Read Patch Management Software Titles
    - Read SSO Settings
    - Read Push Certificates
    - Read Computers
    - Read Accounts
    - Read Patch Management Settings
7. Click on the save button.

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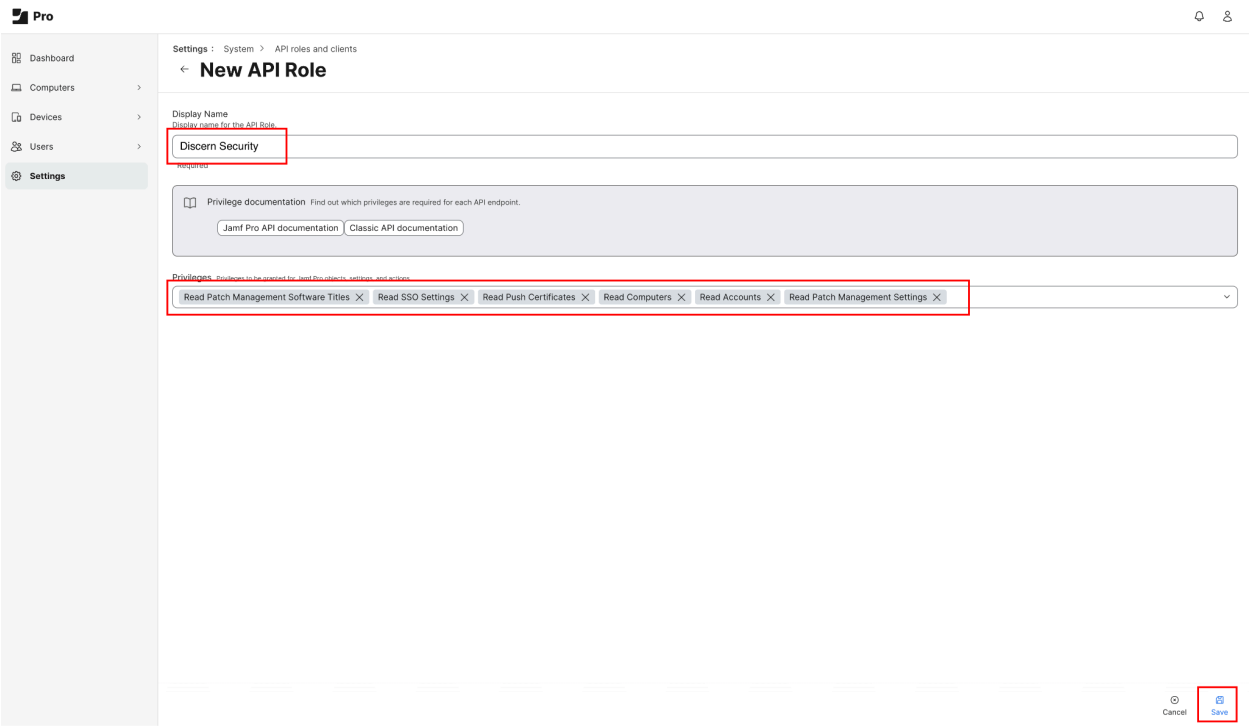
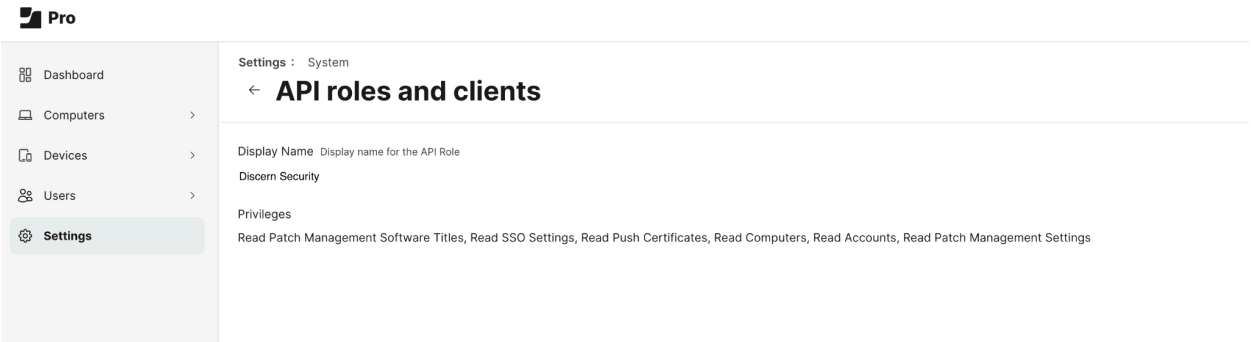


8. The system will create the API roles and clients.



9. Click on the back button and click on the API Clients Tab.
10. Click on the New button.

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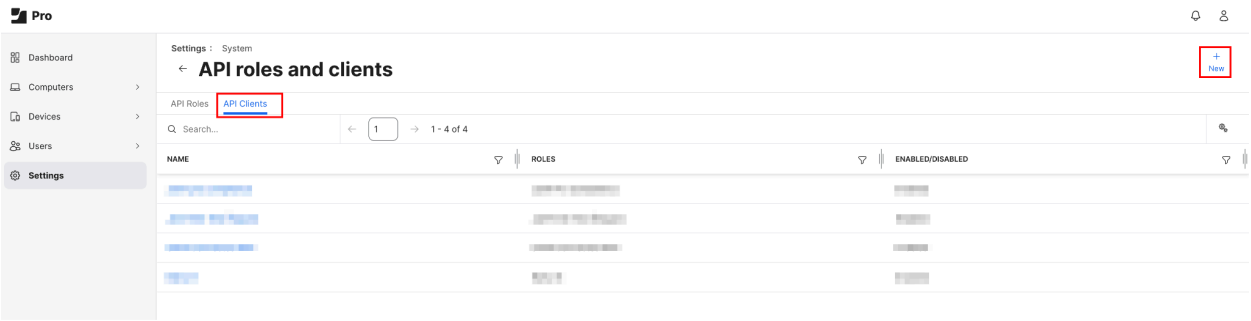
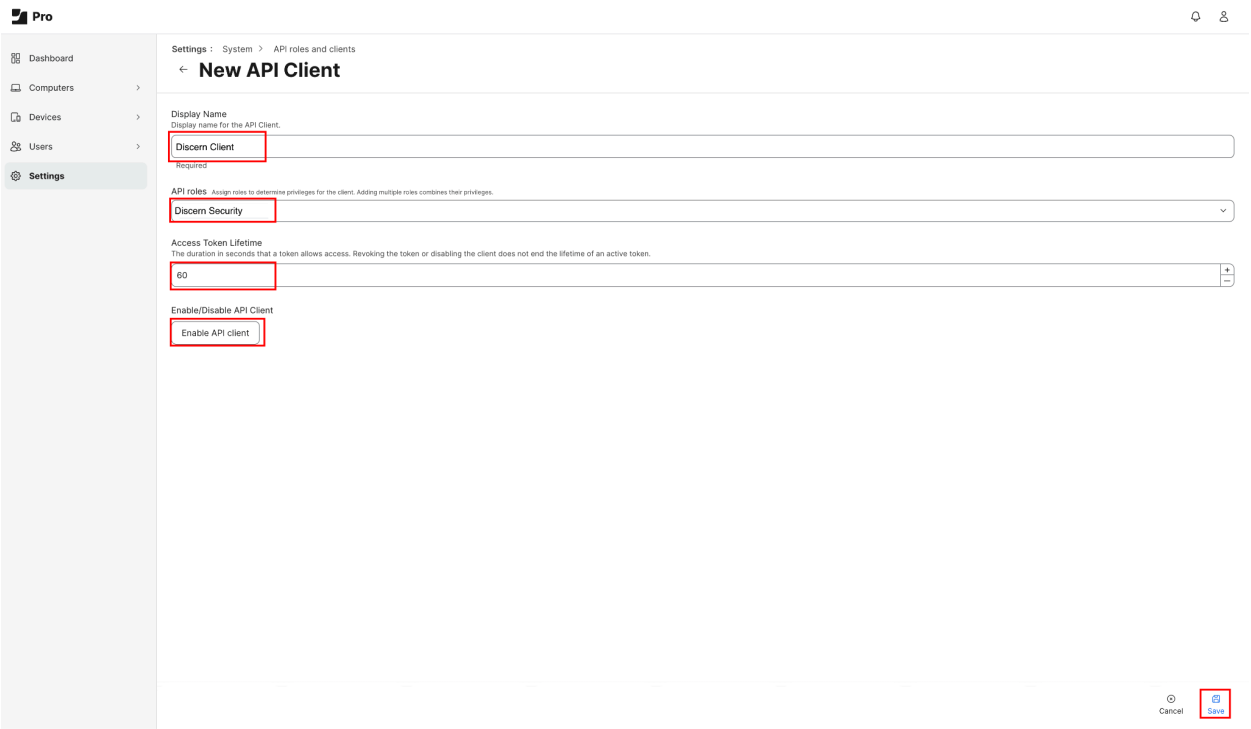


11. Enter a Display Name for the API Client.
12. Select the API roles you created above, In the API roles field.
13. Enter the Access Token Lifetime in seconds. It's important to regularly update the Access Token according to its expiration date.
14. Click on the Enable API client button.



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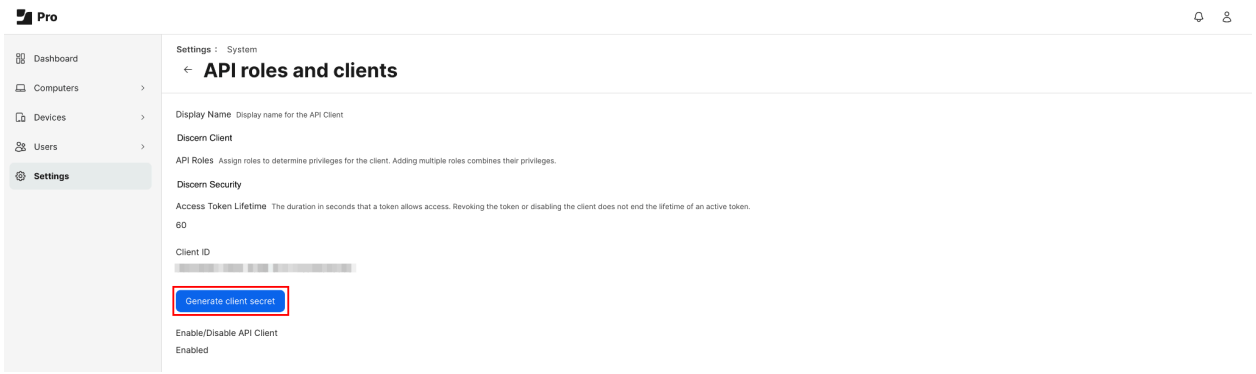
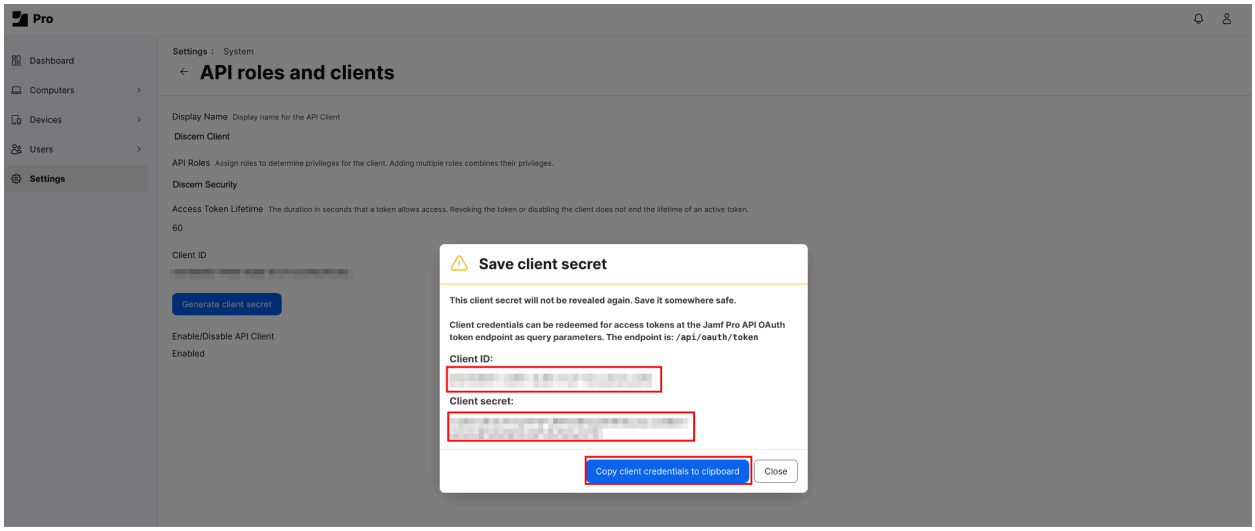
15. Click on the Save button.

16. Click on the Generate client secret button.



17. Copy and save the Client ID and Client secret to use it while configuring Jamf in Discern.



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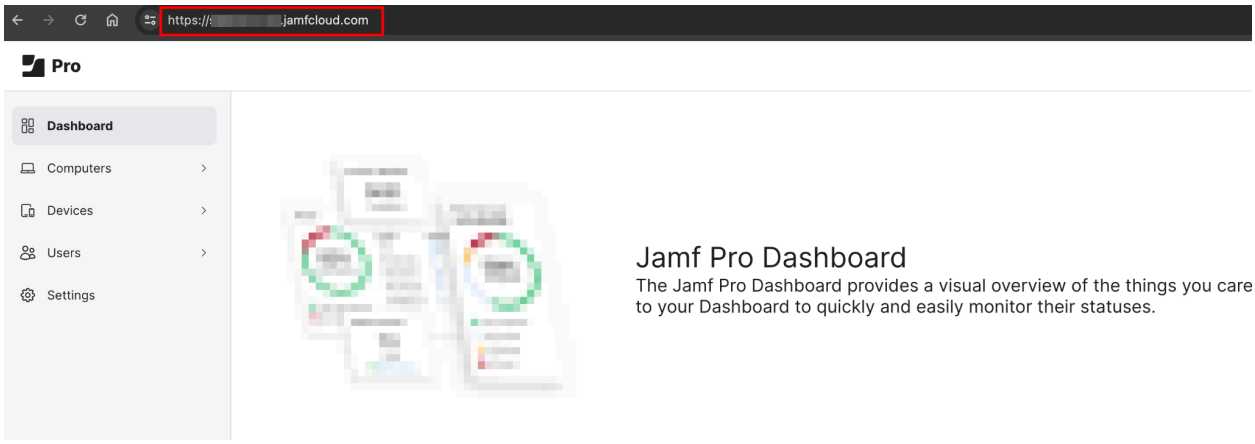
How to Get Domain Name

1. Access the Jamf Instance, and capture the URL
2. Copy and save the Domain Name to use it while configuring Jamf in Discern.



Register Jamf Pro in Discern

1. Log in to the [Discern Security website](#)**.**
2. Click **Vendor Integrations** from the **left-side panel**.
3. Search for **Jamf Pro** and click **Register**.
4. Enter your **Jamf Pro username** and **password**.

   OR

   Enter your **Jamf Pro client_id** and **client_secret**.

   OR

   Enter your **Jamf Pro username**, **password, client_id** and **client_secret**.
5. Provide your **Jamf Pro Domain Name** in the following format:

   `https://yourisinstancename.jamfcloud.com/`

6. Select the appropriate **data feeds** for collection by the **Discern Security** platform. (By default, all data feeds are selected.)

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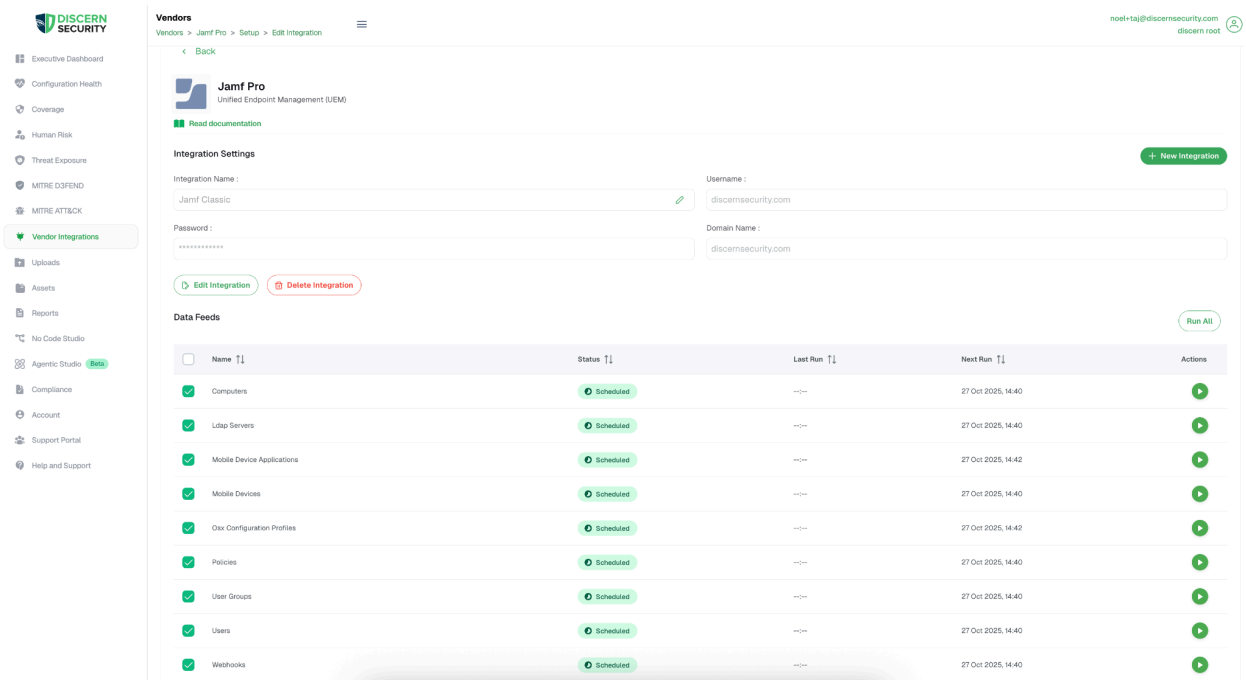
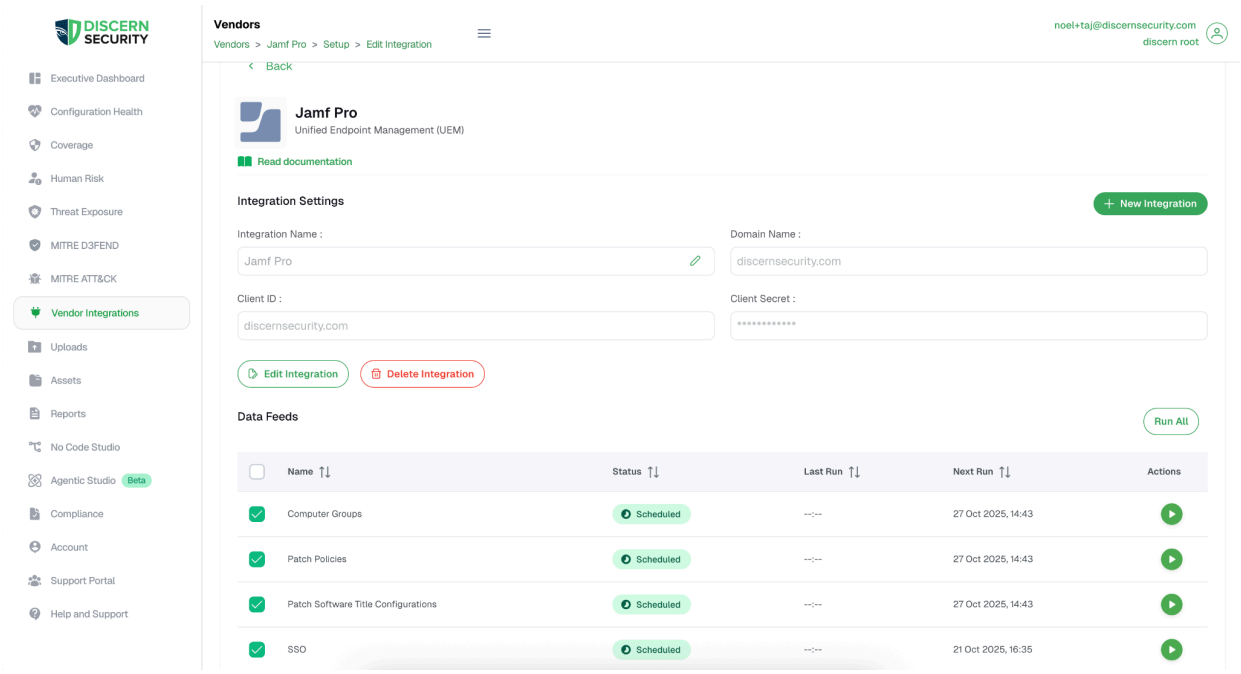
a. Classic API Feeds



b. Pro API Feeds



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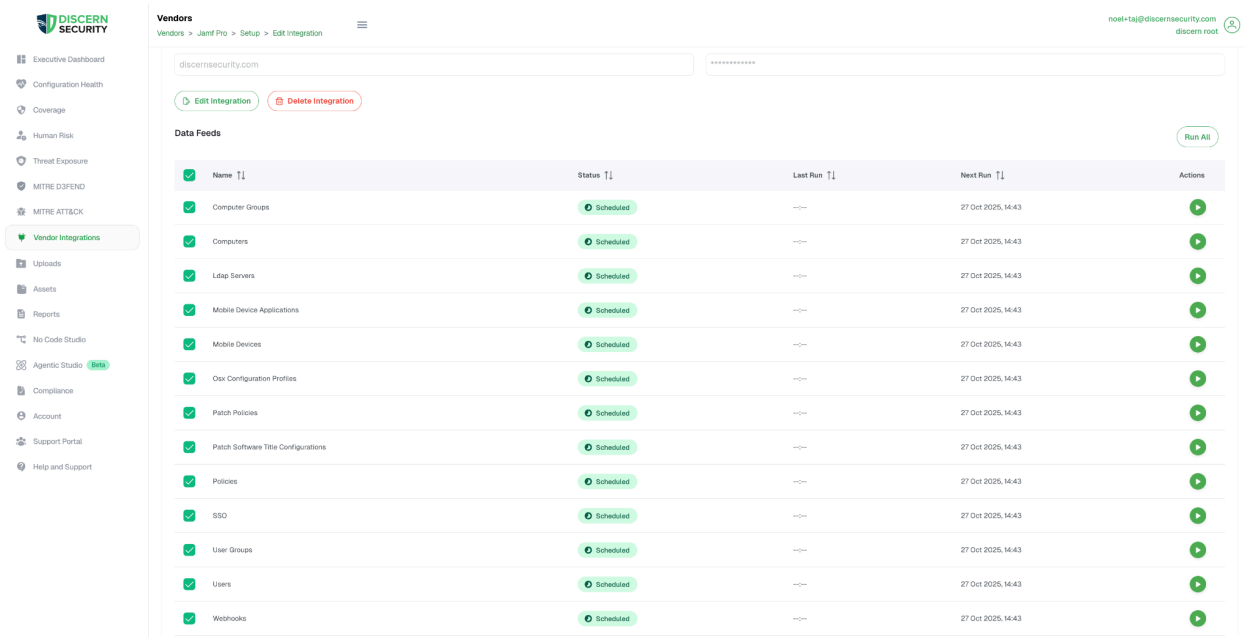
c. Classic & Pro API Feeds



7. Click **Create Integration**.
8. Wait a few moments, then verify that the integration was successful and the jobs are running as expected.

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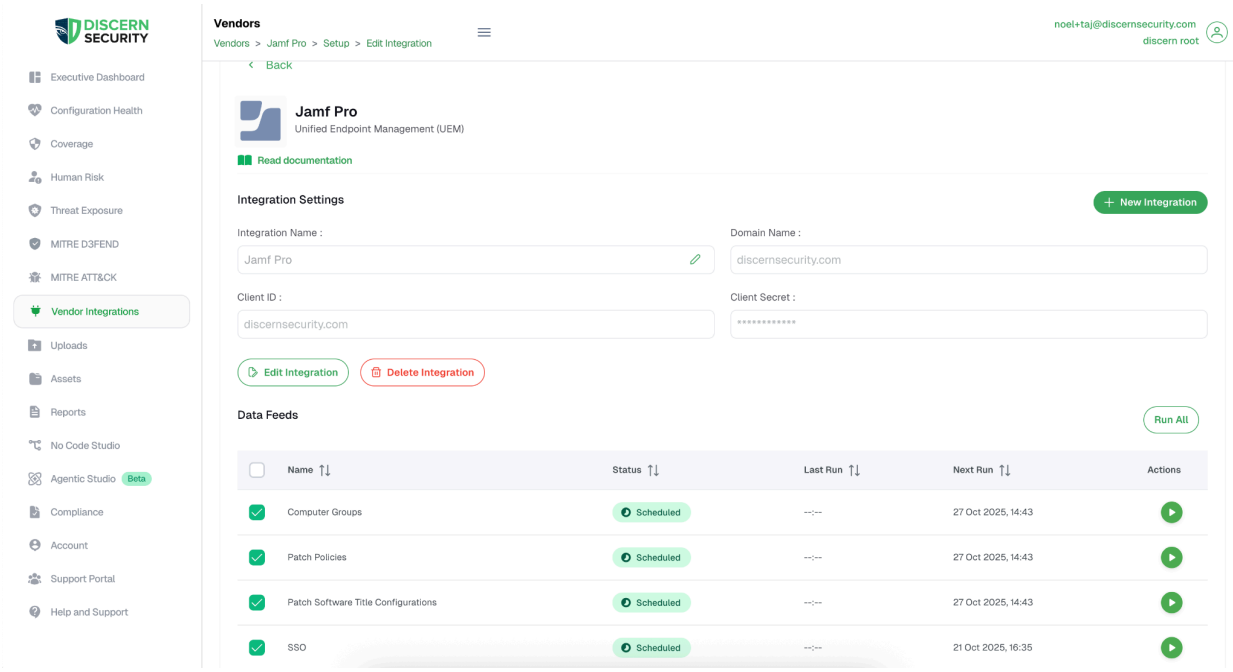

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