




### Clarity and Jamf Pro API Integration

The API Roles and Clients functionality in Jamf Pro provides a dedicated interface for controlling access to the Jamf Pro API and the Classic API. You will create a custom privilege set as an API role and assign it to an API client, having only the necessary capabilities for this integration.

Integration requires the following privilege sets:

*Read Computers, Read Static Computer Groups, Read Mobile Devices, Read Static Mobile Device Groups*

#### Creating an API Role

1. In Jamf Pro, click on **Settings**  in the sidebar.
2. In the **System** section, click on **API Roles and Clients**.
3. Click the **API Roles** tab at the top of the pane.
4. Click **New +**
5. Enter a display name for the API role.
6. Specific information is needed to resolve devices to Clarity’s dictionary. In the Jamf Pro API role privileges field, begin typing the name of each privilege below, selecting each of the following from the pop-up menu:

**Read Computers**

**Read Static Computer Groups**

**Read Mobile Devices**

**Read Static Mobile Device Groups**

7. Click Save .

Display Name

Display name for the API Role.

Diamond Assets Integration

Required



Privilege documentation Find out which privileges are required for each API endpoint.

Jamf Pro API documentation

Classic API documentation

Privileges Privileges to be granted for Jamf Pro objects, settings, and actions

Read Computers X



Read Mobile Devices X

Read Static Mobile Device Groups X

Read Static Computer Groups X



## Creating an API Client

1. In Jamf Pro, click on **Settings**  in the sidebar.
2. In the **System** section, click on **API Roles and Clients**.
3. Click the **API Clients** tab at the top of the pane.
4. Click **New +**
5. Enter a display name for the **API Client**.
6. In the **API Roles** field, add the name of the role you created above, and assign to the client.
7. Under **Access Token Lifetime**, enter 86400, which is the number of seconds in 24hrs.
8. Click **Enable API client**.
9. Click **Save** .

Settings : System > API roles and clients

### ← New API Client

Display Name

Display name for the API Client.

Required

API roles Assign roles to determine privileges for the client. Adding multiple roles combines their privileges.

Access Token Lifetime

The duration in seconds that a token allows access. Revoking the token or disabling the client does not end the lifetime of an active token.

Enable/Disable API Client

## Generating a Client Secret

After you have created an **API Client** and assigned it one or more roles, you can generate a **Client Secret** which can then be used to generate access tokens.

1. In Jamf Pro, navigate to the **API Client** you want to generate an access token from.
2. Click **Generate Client Secret**, and then click **Create Secret** to proceed through the confirmation dialog.
3. Copy the **Client ID** and **Client Secret** and store for later as it will **ONLY BE DISPLAYED ONCE**.

Additional Jamf documentation regarding API Roles and Clients:

[https://learn.jamf.com/en-US/bundle/jamf-pro-documentation-current/page/API\\_Roles\\_and\\_Clients.html](https://learn.jamf.com/en-US/bundle/jamf-pro-documentation-current/page/API_Roles_and_Clients.html)

## Clarity Setup

1. In Clarity, click on **Devices**, and then click **Jamf Pro Integration** in the sidebar.
2. Enter the **Client ID** from Jamf into the corresponding field.
3. Enter the **Client Secret** from Jamf into the corresponding field.
4. Enter your custom **URL** from Jamf into the corresponding field:  
`https://yourbusiness.jamfcloud.com`  
`https://yourbusiness.jamfcloud.com:8443` (*On-Premise only*)
5. Click **Connect**.

## Connect with Jamf Pro

Log in to your Jamf account to create your API credentials with the following API Role Privileges enabled and enter it below.

**Required API Role Privileges:**

Read Computers, Read Static Computer Groups, Read Mobile Devices, Read Static Mobile Device Groups

[Click here to view step-by-step instructions](#)

[Click here to view API Roles and Clients documentation](#)

Client ID

[Edit](#)

Client Secret

[Edit](#)

Copy your organization's API URL and enter it below. This URL can be found in 'Settings' in the 'Access' tab under the header 'API Token'.

Jamf Pro URL

[Edit](#)

Please contact [client.support@diamondassets.com](mailto:client.support@diamondassets.com) for additional information and support.