Handover Pack of Electric Charging Point for Admins

Overview:

The Electric Charging Point Locator component is built using Lightning Web Components (LWC) and an Apex Controller. This component integrates with the Open Charge Map API to fetch electric charging points near a specific address. It works for both the Contact Record Page and as a standalone app.
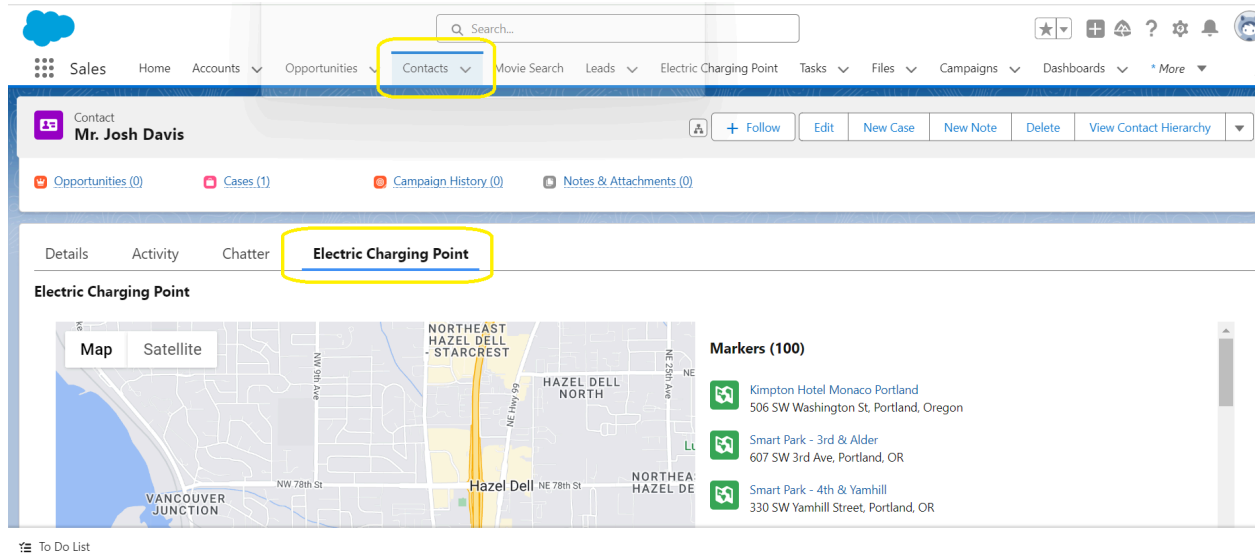
Admin Responsibilities:

- **API Key Management:** API keys for the services used (Geoapify and Open Charge Map) are stored in Custom Metadata. You can update the keys in case of expiration or change.
- **Named Credentials Setup:** Ensure the Named Credentials and External Credentials are set up properly. The API callout relies on these credentials.
- **Updating Apex Class:** If API URLs change in the future, admins can update them directly in the Apex class `ElectricChargingPoint`, particularly in the methods `getGeoLocation` and `getElectricChargingPoint`.
- **LWC Component:** The `electricChargingPoint` component is added to the Contact Record Page and also as a Standalone Tab. It automatically uses the Contact's mailing address when loaded from the record page, while the user can manually enter an address in the standalone app.
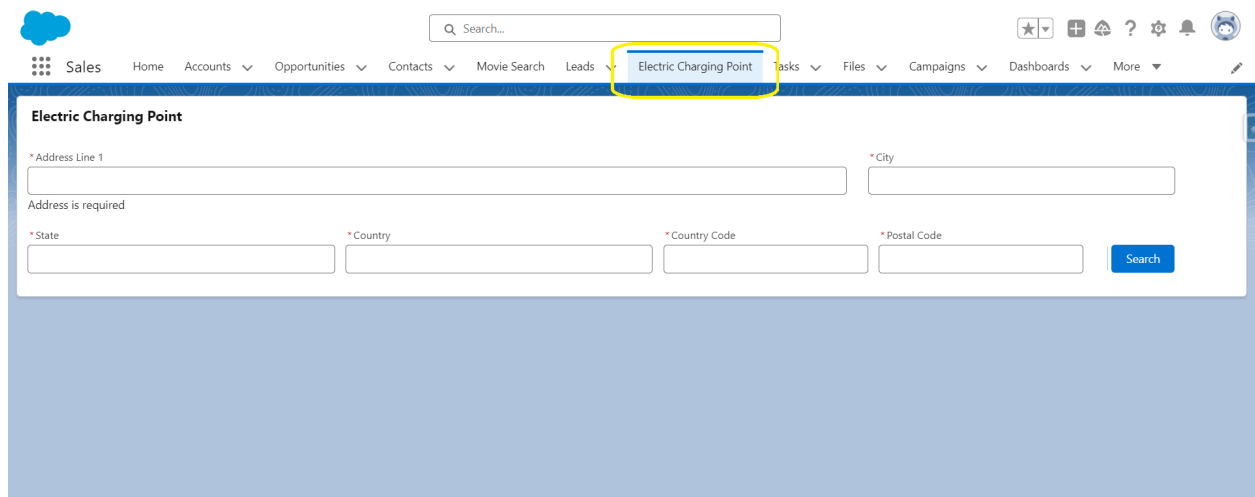
Component Position Points:

- **Contact Record Page:** The `electricChargingPoint` component is added as a tab inside the **Contact Record Page** next to the **Details** tab.
  - To find this:
    1. Go to **App Builder** in Salesforce.
    2. Open **Contact Object**
    3. Select any **Contact Record**.

4. Locate the **"Electric Charging Point"** tab beside the **Chatter** tab.
5. You can manage or move the component if necessary.

- **Standalone Application:** The `electricChargingPoint` component is also accessible as a standalone tab in the Salesforce application.
  - To find this:
    1. Go to **App Launcher**.
    2. Search for **Electric Charging Point** in the **Standalone Tabs** section.
    3. Here, users can enter an address manually to fetch nearby charging points.

Troubleshooting:

- **Component Not Loading:** Check if the Named Credential is set correctly.
- **API Errors:** Refer to the Apex Debug Logs to identify callout issues.
- **Map Not Displaying:** Ensure the Lightning Map component is receiving the right data.

How to install the App:

1. I have created a unmanaged package of Electric Charging Point app. You can install with below link:
   https://login.salesforce.com/packaging/installPackage.apexp?p0=04tJ3000000gNqb
2. After installation of the app you have to add the **External Credential** in **Enabled External Credential Principal Access** in the Profile which you want to give access.
3. You also have to add the component in Contact Record Page. For this you to click on ⚙ icon of contact record page and select Edit Page option. Then select the Details component and add the tab from the right panel and then select the tab which you have created and select custom option the drop down menu, also give the tab name. Open the newly created tab and drag and drop the Electric Charging Point Component. Save the Page.