ETREL OCEAN

DO I NEED TO CHANGE CONFIGURATION OF ASSETS WHEN CONNECTING ROAMING PLATFORM?

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The Ocean system is built so that it recognizes a charging station on 4 levels:

1. Location
2. Charging station
3. EVSE
4. Connector

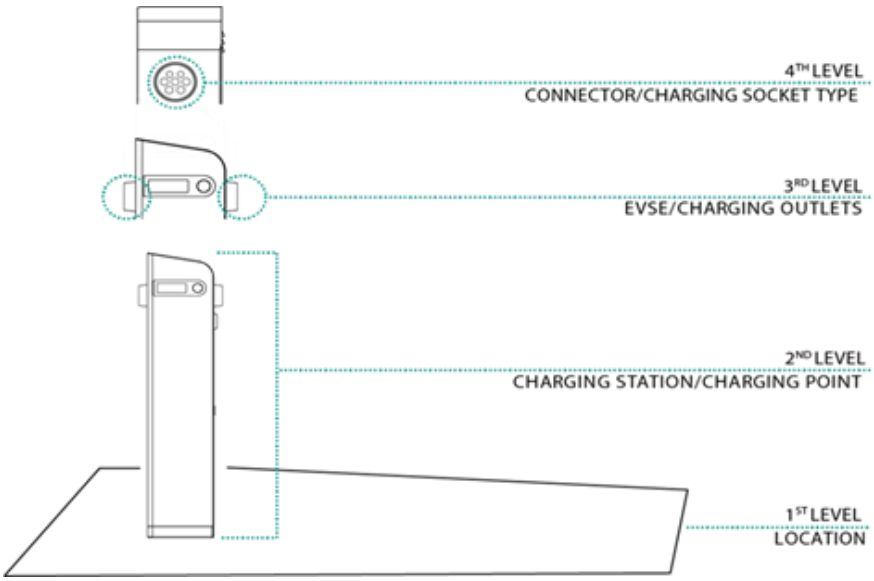

Figure 1: Charging station separated into 4 levels

When it comes to roaming platforms, their systems recognize charging station only on 3 levels:

1. Location
2. Charging station
3. EVSE

the Point of Interest (POI's), explained in more detail further on. To start using Ocean a charging point must be added into the system. We will cover this process in 2 steps.

Roaming platforms do not recognize connectors. This is not a problem when we are talking about AC charging stations where 2 EVSEs are 2 connectors but can be a problem when talking about DC charging stations, as DC stations usually have 2 EVSEs with 3 connectors (1st EVSE = CCS, Chademo and 2nd EVSE = type2). Ocean recognizes that

CCS and Chademo comprise 1 EVSE with 2 connectors. However, this is not how roaming platforms see it, even though Ocean sends them all the data.

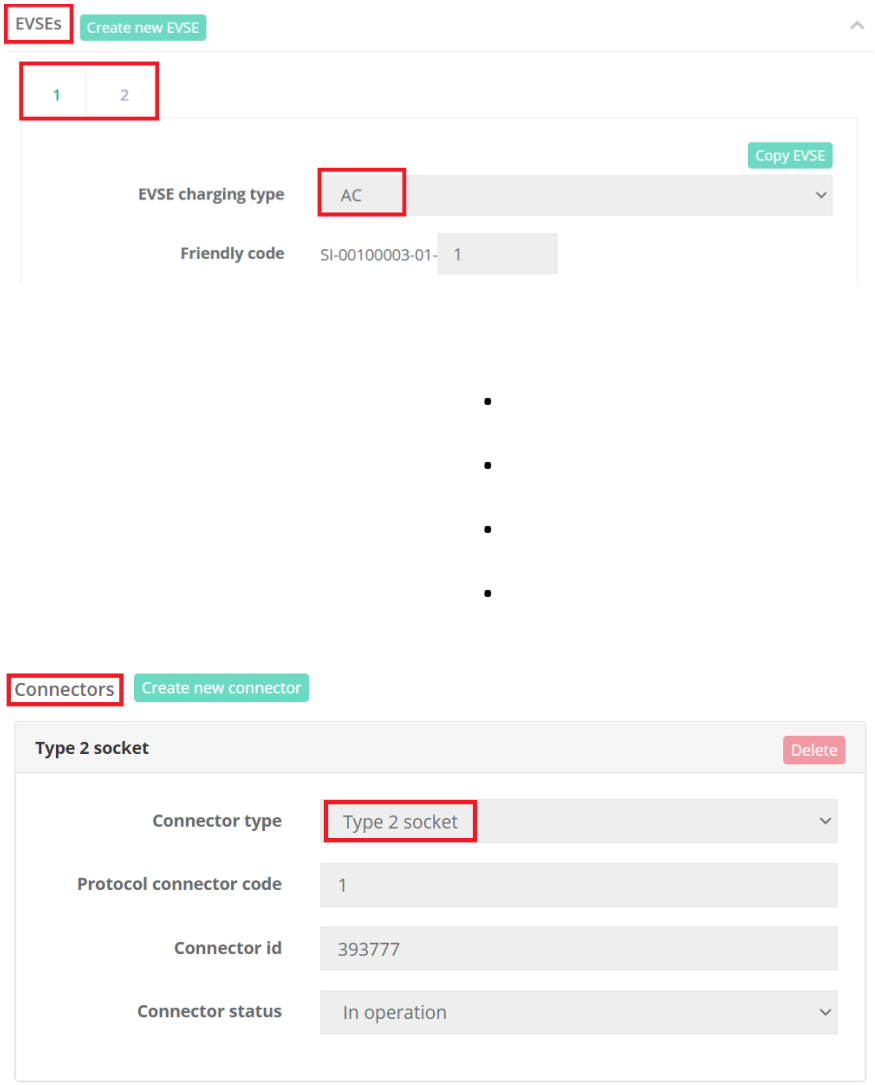

Figure 2: A setupd of AC charging station. It has two EVSEs and each EVSE has one type 2 connector.

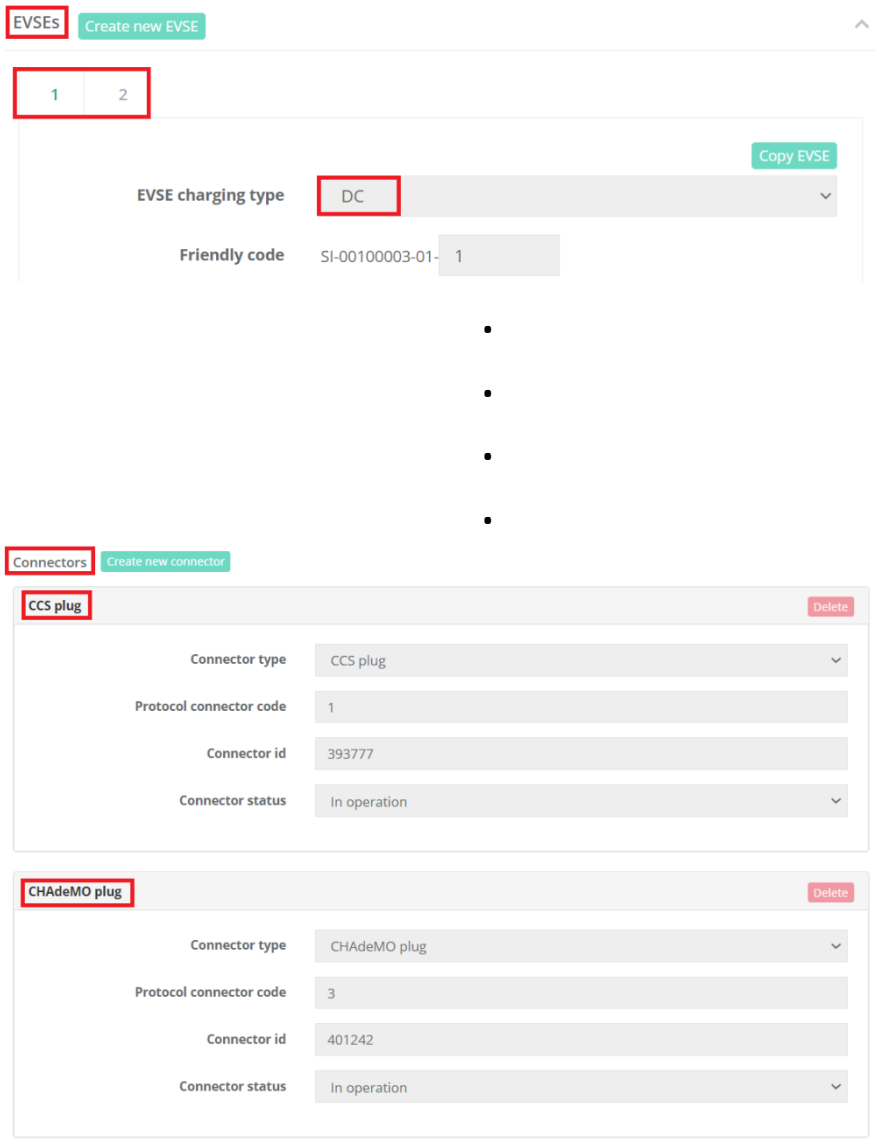

Figure 3: A normal setup of DC charging stations. It has two EVSEs: the first EVSE has two connectors - CCSand Chademo, and the second EVSE has one type 2 connector.

Therefore, for roaming platforms (confirmed for Hubject & Gireve) to recognize CCS and Chademo on DC charging stations as two separate EVSE's with two separate EVSE IDs, you need to define them as such in the Ocean system. Instead of setting up 1 EVSE with 2 connectors (CCS & Chademo), you should set up 2 EVSEs (1st EVSE = CCS & 2nd EVSE = Chademo). The third EVSE would be the type 2 socket for example, which is a separate EVSE anyway.

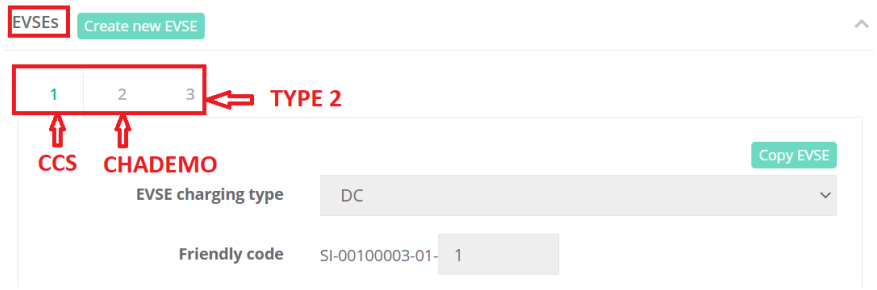

Figure 4: A setup of roaming DC charging station. It has three EVSEs, each having one connector. The first EVSE has CCS connector, the second EVSE has Chademo connector and the third EVSE has a type 2 connector.

You can perform these settings in the Ocean's Assets module -> locations and then navigate to a charging station that you want to modify.

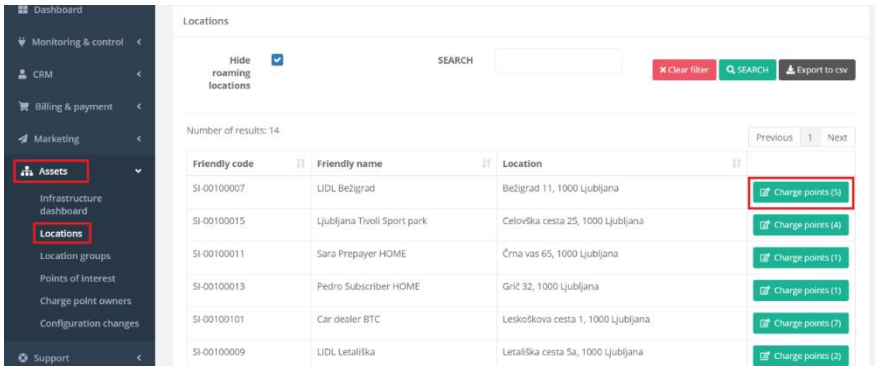

Figure 5: Navigating to charging station's settings.