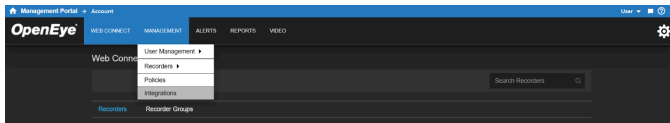


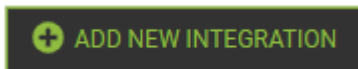
HALO Smart Sensor Integration Instructions

Enable HALO Integration in OpenEye Web Services (OWS)

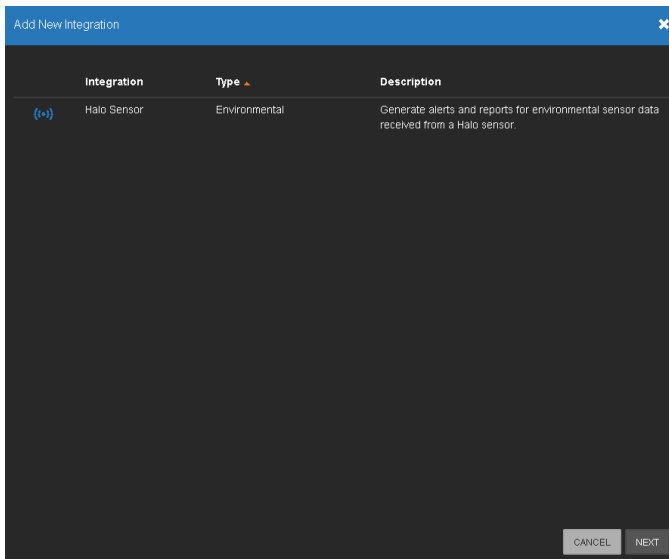
1. From the Cloud Portal, select the **Management** tab.
2. Choose **Integrations** from the drop-down menu.



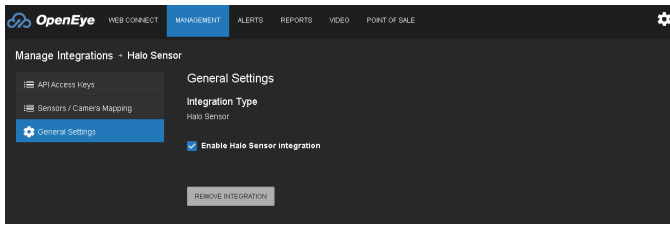
3. Click on **Add New Integration**.



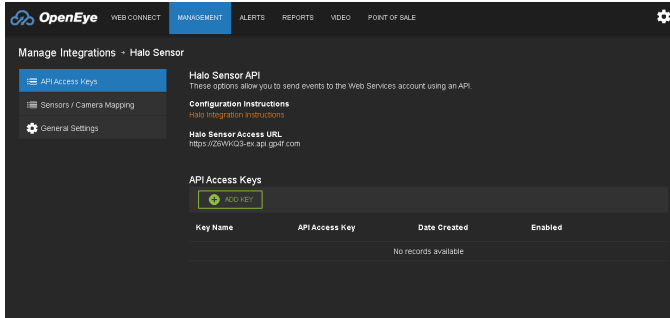
4. Choose **HALO Sensor** and click **Next**.



5. The **HALO Sensor** will be added to the **Manage Integrations** list, and you will be taken to the configuration page for the **HALO Sensor**.



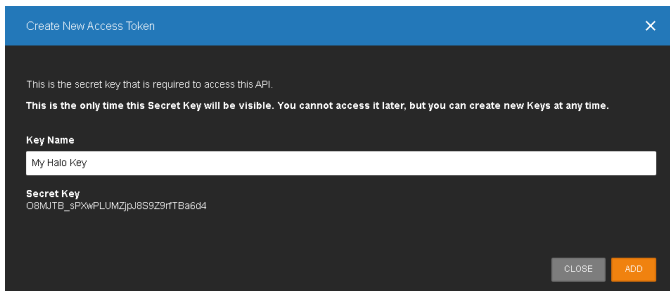
6. Click **API Access Keys**.



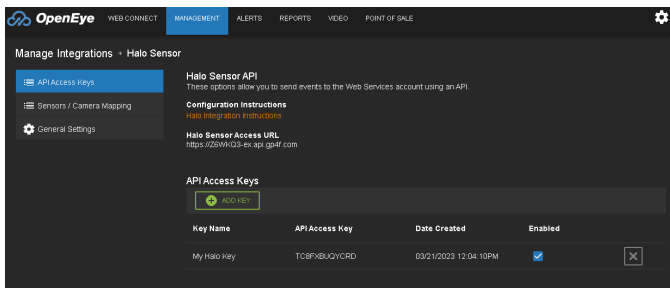
7. Click **Add Key** and you will be presented with the Secret Key. Enter a **Key Name** and click **Add**.



NOTE: This is the only time you will be able to view the Secret Key. Be sure to copy it somewhere.



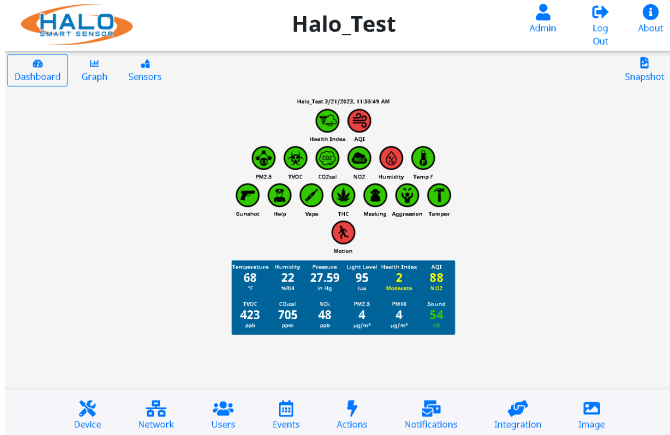
8. After clicking **Add** you will be presented with the created API Access Key. Copy this down.



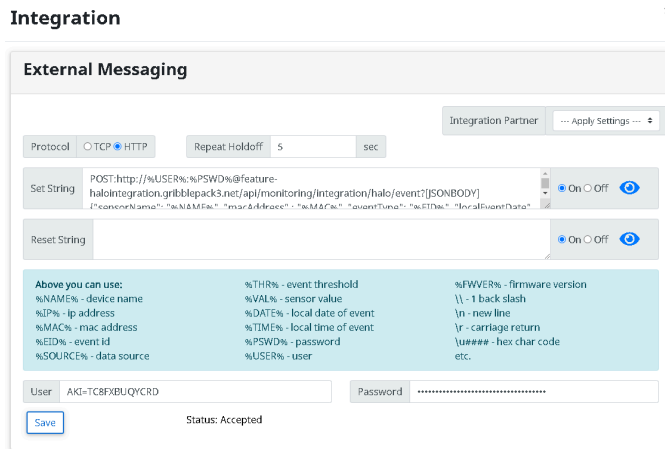
Enable OWS Integration in your HALO Smart Sensor

NOTE: Go to [HALO Smart Sensor](#) if you need more information configuring the HALO Smart Sensor Integration.

1. Log in to your **HALO Smart Sensor** as Administrator.
2. Click on the gears in the lower left, then click on **Integration** to open the Integration menu.



3. Click on **Integration** to open the **Integration** menu.



4. In the **Set String** field, enter the following by copying and pasting the text below:

```
POST:https://%USER%:%PSWD%@halo.api.gp4f.com/api/monitoring/integration/halo/event?[JSONBODY]{"sensorName": "%NAME%", "macAddress": "%MAC%", "eventType": "%EID%", "localEventDate": "%DATE%", "localEventTime": "%TIME%"}
```

5. In the **Reset String** field, remove any current values.
6. In the **User** field, enter the following, where **API ACCESS KEY** equals the **API Access Key** you generated in step 8 above.

AKI=API ACCESS KEY

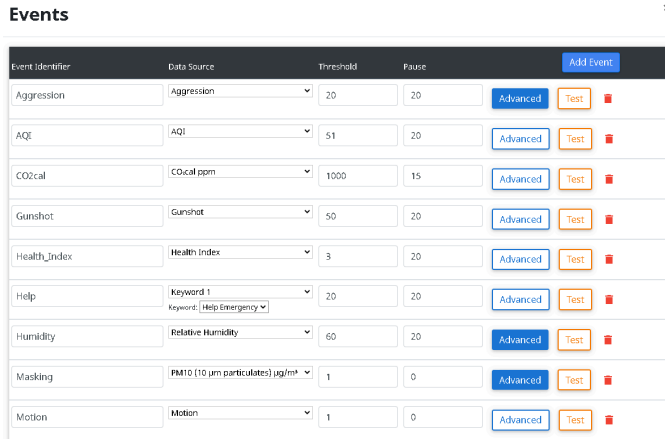
Example: "AKI=J5P8WBSV8HUB"

7. In the **Password** field, enter the following, where **SECRET KEY** is the **Secret Key** you generated in step 7 above.

AKS=SECRET KEY

Example: "AKS=yZd-W57xNUMlzFUJQefTWjdpuMpZV_Y0"

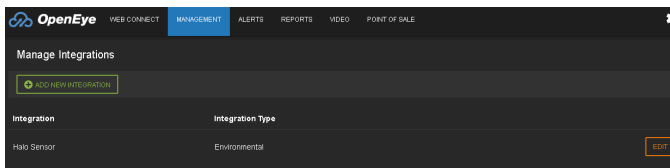
8. If the correct information is entered, you should see a **Status: Accepted** message, as shown in the above screenshot.
9. Click **Save**.
10. Scroll to the bottom and click **Close**.
11. Click **Events** and send a **Test** event from any of the configured sensors.



Event Identifier	Data Source	Threshold	Pause			
Aggression	Aggression	20	20	Advanced	Test	
AQI	AQI	51	20	Advanced	Test	
CO2cal	CO2cal ppm	1000	15	Advanced	Test	
Gunshot	Gunshot	50	20	Advanced	Test	
Health_Index	Health Index	3	20	Advanced	Test	
Help	Keyword 1 Keyword: Help Emergency	20	20	Advanced	Test	
Humidity	Relative Humidity	60	20	Advanced	Test	
Masking	PM10 (10 µm particulates) µg/m³	1	0	Advanced	Test	
Motion	Motion	1	0	Advanced	Test	

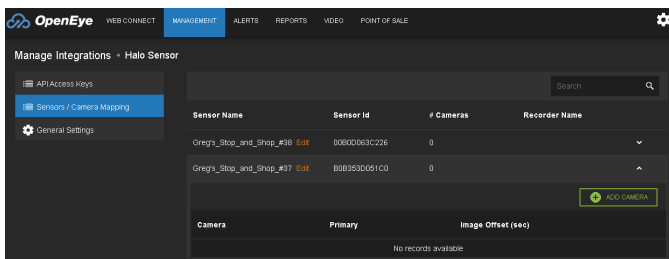
Mapping the HALO Smart Sensor to a Camera

1. In **OWS**, open the **Integrations** menu under **Management** and click **Edit**.



2. Click **Sensors / Camera Mapping** and select the **Sensor Name** for your **HALO Smart Sensor**.

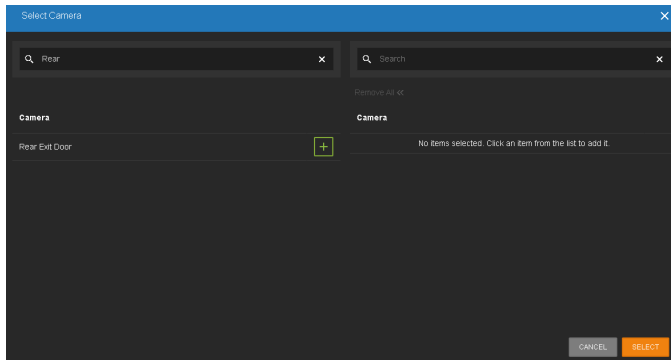
NOTE: If you do not see your **HALO Smart Sensor** then one of the previous steps was not completed. Please double check that the AKI, AKS, and Set String are correct.



3. Click **Add Camera**.



4. Click the **+** button next to the camera that you would like to associate with the sensor and click **Select**.

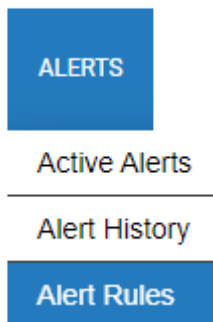


5. The camera will now be associated with the **HALO Smart Sensor**.

NOTE: If you associate multiple cameras with the sensor, then only the camera marked as **Primary** will be sent with email alerts.

Creating a Halo Smart Sensor Alert Rule in OWS

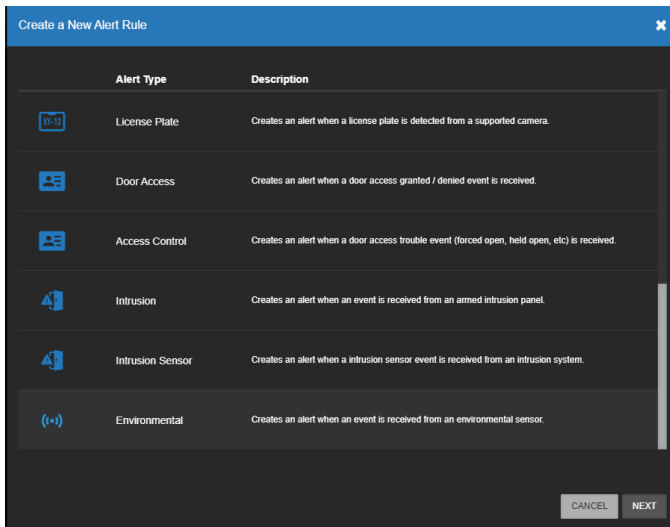
1. Within the **Alerts** tab in the **OWS Cloud Portal**, select **Alert Rules** from the dropdown menu.



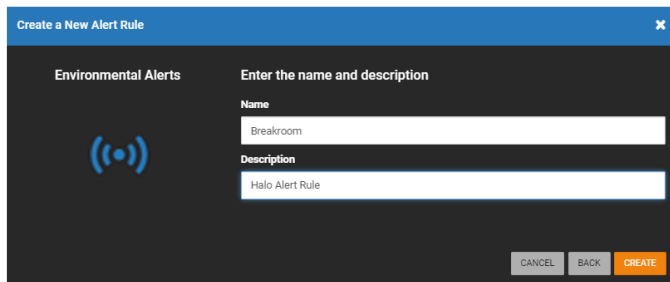
2. Click **Add New Rule**.



3. Click **Environmental** and click **Next**.



4. Name the alert and give it a **Description** as desired.



NOTE: The **Name** given to an alert will appear as the subject line of email notifications sent by that alert

5. Click **Create**.



6. Click the **Event Group** drop down menu and select the desired **Event Group**, then click the **Event Type** drop down and select the desired **Event Type**, according to the table below:

Event Group: Health

- Air Quality Index Threshold Exceeded
- CO2cal Threshold Exceeded
- Health Index Threshold Exceeded
- Humidity Threshold Exceeded
- NO2 Threshold Exceeded
- PM2.5 Threshold Exceeded

Event Group: Safety

- Aggression sounds detected
- Air Masking detected
- Gunshot detected
- HELP sounds detected
- Tamper detected

Event Group: Health

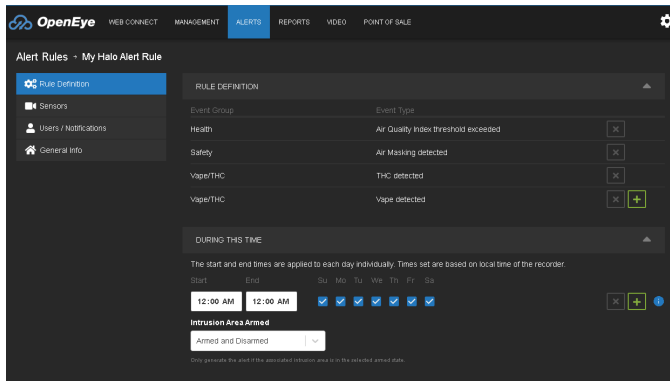
Temperature Threshold Exceeded

TVOC Threshold Exceeded

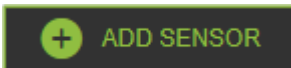
Event Group: Safety

NOTE: OpenEye Web Services (OWS) only supports the HALO event name. If an event name is customized, OWS will no longer recognize the event and send alerts or display the alerts in Alert History.

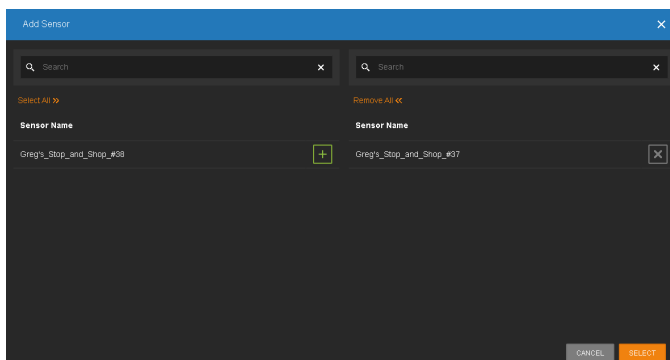
7. After selecting the desired options, scroll down and click **Save**.



8. Click **Sensors** from the left menu.
9. Click **Add Sensor**.



10. Click the + button next to the desired **HALO Smart Sensor** then click **Select**.



11. If **Email Alerts** are desired, click **Users / Notifications** from the left menu.



Users / Notifications

12. Click **Add Group** or **Add User**



ADD GROUP



ADD USER

and select the **Group** or **User** that you would like to receive **Email Alerts** and click **Select**.

SELECT

13. For more information, see the related link [Creating an Alert Rule](#).

Related Links

[Creating an Alert Rule](#)

[HALO](#)

[Sensors](#)