

Technical Note

# BlueZoo Third-Party Webhook Service

DOCUMENT FILE NAME (BLUEZOO THIRD PARTY WEBHOOK SERVICE.DOCX)

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# 1 The BlueZoo Webhook Service

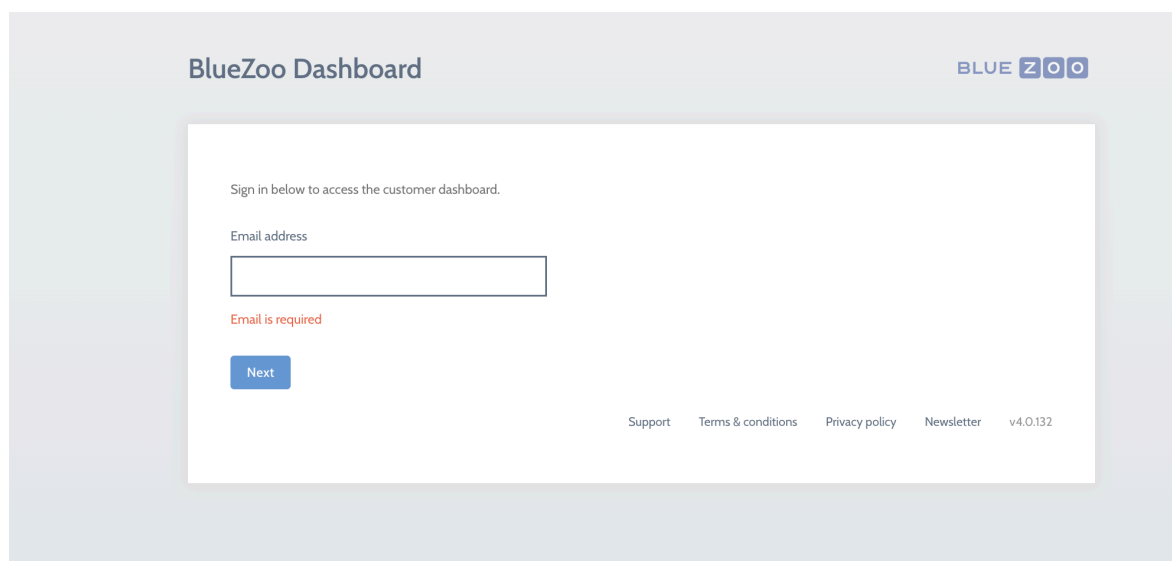
The BlueZoo Webhook Service is available for each sensor. The Webhook service is enabled through the BlueZoo web dashboard using the account credentials associated with the sensor. An account with one or more locations must first be created using the BlueZoo web dashboard.

BlueZoo Customers have Webhook Configuration access available by default.

# 2 Service Management

Configure the BlueZoo Webhook Service by logging into the BlueZoo Dashboard (*Image 1*):

```
BlueZoo Dashboard URL
https://dashboard.bluezoo.io/login
```

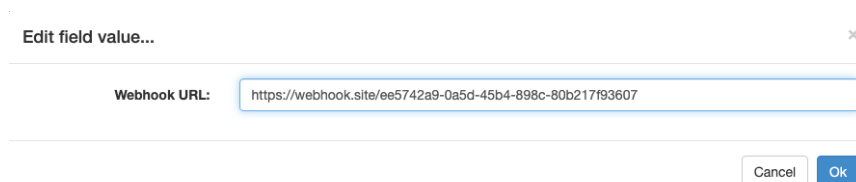


*Image 1*

The sensor locations section will show all the available locations under the account. To configure the webhooks available for a specific location, simply select the location name.

The webhook URLs can be added directly in the BlueZoo dashboard under the **Utilities > Alerts** section. Users can navigate to this section and configure their Webhook URLs without requiring additional support.

Edit the Webhook URL and enter the listening URL (*Image 2*). If the listening URL requires an authentication token, provide as appropriate.



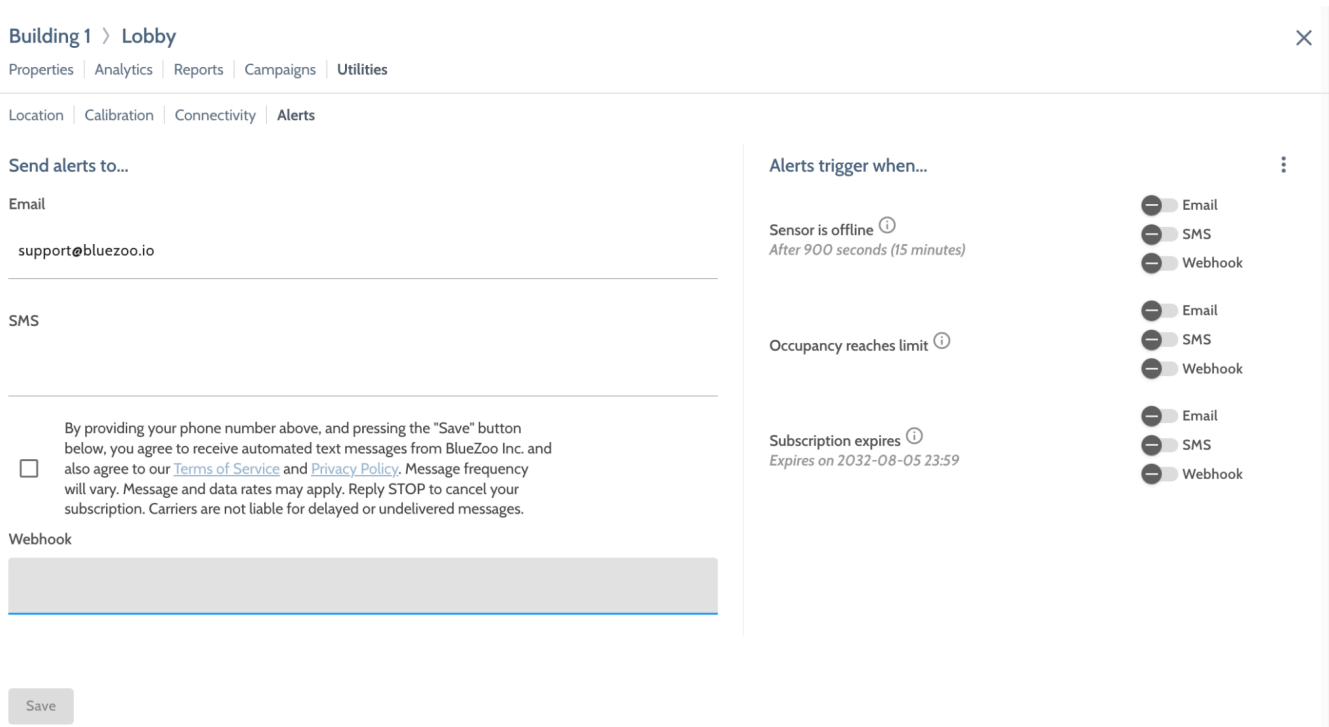


Image 2

### 3 Webhook Listener

The BlueZoo Webhook Service will push event notifications using HTTP POST requests to the specified registered URL listener configured above. This URL can be from webhook service provider like Zapier or pipedream.com. Or the target URL can be a listening URL configured by a customer created web application. The same Webhook URL can be used for multiple locations since notifications can be distinguished by a unique location identifier or Location Nickname.

Please find the unique response fields sample below:

```
"location_uuid": "7A145025-6C0D-4099-BAD0-2AC4F1451A99"  
"location_nickname": "Location 1"
```

The request body expressed in JSON format will contain event details for the sensor location. Each handled Webhook HTTP request by the Listener URL should return HTTP Status 200.

## 4 Event Notification Specification

### 4.1 LOCATION\_WEBHOOK\_TEST\_NOTIFICATION

#### Request Description

- **HTTP Method:** POST
- **Endpoint:** The sensor location's registered Webhook URL
- **Content-Type:** application/json
- **x-api-secret-token:** Request header used for authentication (if required). Configured in the BlueZoo Dashboard for the sensor location.

**JSON output example:**

None

```
{
  "notification_type": "LOCATION_WEBHOOK_TEST_NOTIFICATION",
  "location_uuid": "763260DE-F9F2-4D44-AB28-86477EB148AA",
  "location_nickname": "Location 2",
  "location_timezone_name": "America/Los_Angeles",
  "event_timestamp": 1604044627,
  "event_datetime_in_utc_timezone": "2020-10-30 07:57:07 UTC +0000",
  "event_datetime_in_location_timezone": "2020-10-30 00:57:07 PDT -0700"
}
```

**4.2 OCCUPANCY\_COUNT\_NOTIFICATION**

**Request Description**

- **HTTP Method:** POST
- **Endpoint:** The sensor location’s registered Webhook URL
- **Content-Type:** application/json
- **x-api-secret-token:** Request header used for authentication (if required).

**JSON output example:**

None

```
{
  "notification_type": "OCCUPANCY_COUNT_NOTIFICATION",
  "location_uuid": "location_uuid",
  "occupancy_count": "station_count",
  "location_nickname": "location_nickname",
  "location_timezone_name": "location_timezone_name",
  "event_timestamp": "event_timestamp",
  "event_datetime_in_utc_timezone": "event_datetime_in_utc_timezone",
  "event_datetime_in_location_timezone": "event_datetime_in_location_timezone"
}
```

**4.3 LOCATION\_SENSOR\_SUBSCRIPTION\_VALIDITY\_NOTIFICATION**

**Request Description**

- **HTTP Method:** POST
- **Endpoint:** The sensor location’s registered Webhook URL
- **Content-Type:** application/json
- **x-api-secret-token:** Request header used for authentication (if required).

**JSON output example:**

None

```
{
  "notification_type": "LOCATION_SENSOR_SUBSCRIPTION_VALIDITY_NOTIFICATION",
  "location_uuid": "location_uuid",
  "subscription_valid_until_timestamp": "subscription_valid_until_timestamp",
  "location_nickname": "location_nickname",
  "location_timezone_name": "location_timezone_name",
  "event_timestamp": "event_timestamp",
  "event_datetime_in_utc_timezone": "event_datetime_in_utc_timezone",
  "event_datetime_in_location_timezone": "event_datetime_in_location_timezone"
}
```

#### 4.4 LOCATION\_SENSOR\_STARVATION\_NOTIFICATION

##### Request Description

- **HTTP Method:** POST
- **Endpoint:** The sensor location's registered Webhook URL
- **Content-Type:** application/json
- **x-api-secret-token:** Request header used for authentication (if required).

##### JSON output example:

None

```
{
  "notification_type": "LOCATION_SENSOR_STARVATION_NOTIFICATION",
  "location_uuid": "location_uuid",
  "sensor_last_connected_at": "connection_timestamp",
  "location_nickname": "location_nickname",
  "location_timezone_name": "location_timezone_name",
  "event_timestamp": "event_timestamp",
  "event_datetime_in_utc_timezone": "event_datetime_in_utc_timezone",
  "event_datetime_in_location_timezone": "event_datetime_in_location_timezone"
}
```