

Bluetooth Tracking Tags

Information

Tracking Tags, also known as BLE Tags or Bluetooth Tags can be used to locate assets or equipment when one of your GPS devices, which we will refer to as a "gateway device," comes close to a tag you have placed on an object.

The tag itself does not communicate with the cloud. It does not send location data like a regular GPS tracking device that has a satellite or cellular connection. The tracking tag emits a Bluetooth signal only. When a gateway device that can connect with Bluetooth comes near the tag, it will let OneView know that the tag has been seen and mark the location of the tag as the location of the gateway device that "saw" the tag.

The Bluetooth signal is line of sight so it can be blocked by objects in the way, and devices that read it need to get close enough to pick up the signal. Gateway devices only have to be near a tag for a few seconds to read it as long as there is a clear line of sight, so it may be possible to pick up a tag location just by driving by the area where the tag is located. With an unobstructed line of site, the tag can have up to a 200 meter range, but usually the gateway device will have to be closer to pick it up.

Gateway Devices that can read the Tracking Tags:

Calamp 3640 (Cab-Mate Flex, Cab-Mate Open, Cab-Mate Connect)

Suntech 4950

ELD tablets with Bluetooth turned on**

OneView Mobile app on Android phones with the Bluetooth turned on (iOS coming soon)

**Cab-Mate One tablets have Bluetooth capability but the Cab-Mate One cradle (LMU) does not. Tablets shipped with Cab-Mate One LMU's may not have the Bluetooth turned on.

OneView Mobile

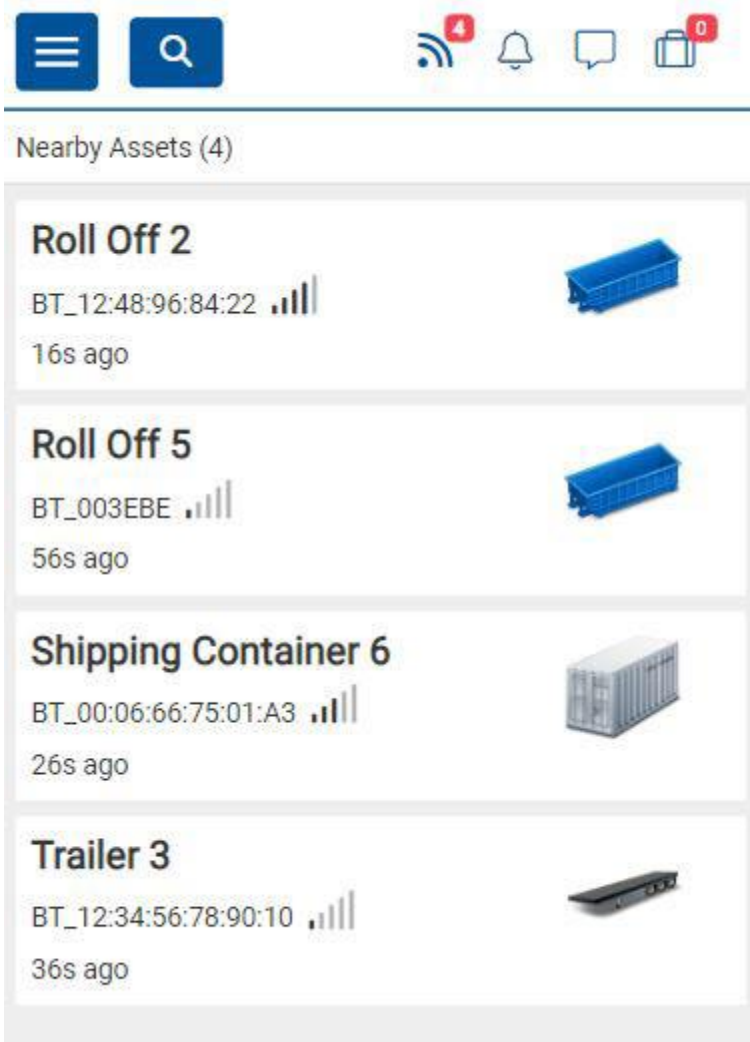
The OneView Mobile application has an extra icon at the top of the header that allows you to know very quickly if there are readable BLE tags in your vicinity.

1. Make sure you have downloaded OneView Mobile to your phone and log in. You will stay logged in by default which will allow your phone to read the tags unless you log out.
2. Make sure your phone has Bluetooth turned on.

3. Tap the BLE tag icon at the top of the application.



4. On the page that opens, any Tracking Tags/Bluetooth Tags that are being read by your mobile phone will show in a list.



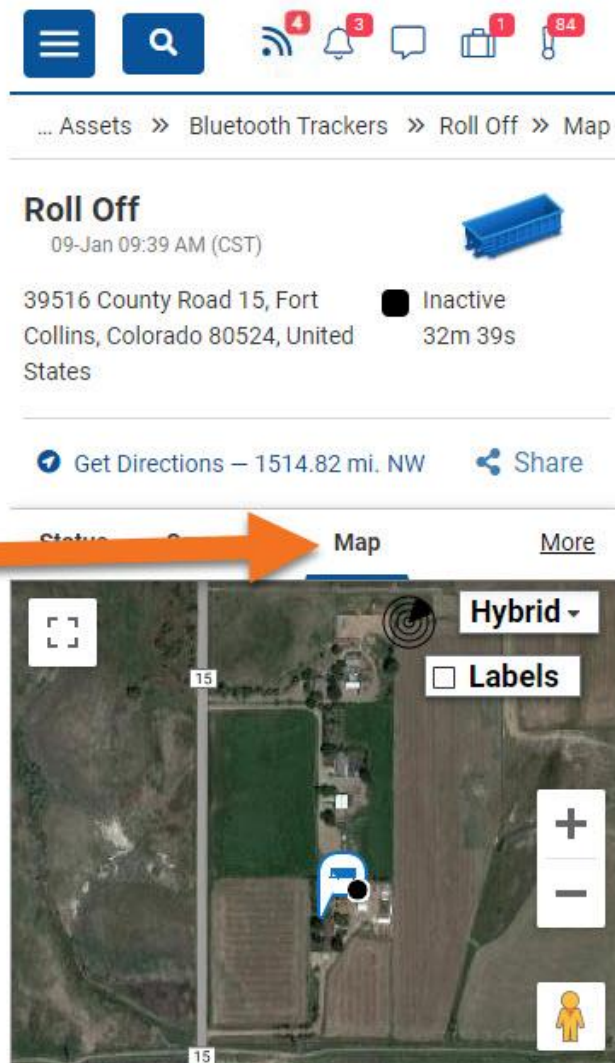
You will see the time they last were read by your phone.



If they have not been seen by your phone for 1 minute or more, they will disappear from your list. That is a good indication that you have traveled too far from the tag to be read.

Visit Asset Data

By clicking on the BLE Asset, you will be taken to the asset's status page where you can see any specific data about that tag, like voltage of the tag's battery, map location of the tag, its current status, or, if the tag is monitoring temperature or other types of data, what those readings are.



Tracking Tags in OneView (and OneView Mobile)

Assets that have tracking tags will be displayed in OneView just like other assets. There are a few differences in data that will be discussed here:

1. Status Badges
2. Status Data

Status Badges for Tracking Tags

Black - Inactive

The tag has been seen and has not moved since the last time it was seen by a gateway device.



Green - Moved

The tag has been seen and is a different location since the last time it was seen by a gateway device.



Roll Off

09-Jan 01:11 PM (CST)

39516 County Road 15, Fort
Collins, Colorado 80524,
United States

 Moved
1D 2h

Class: Roll Off

 1514.81 mi. NW

 Share

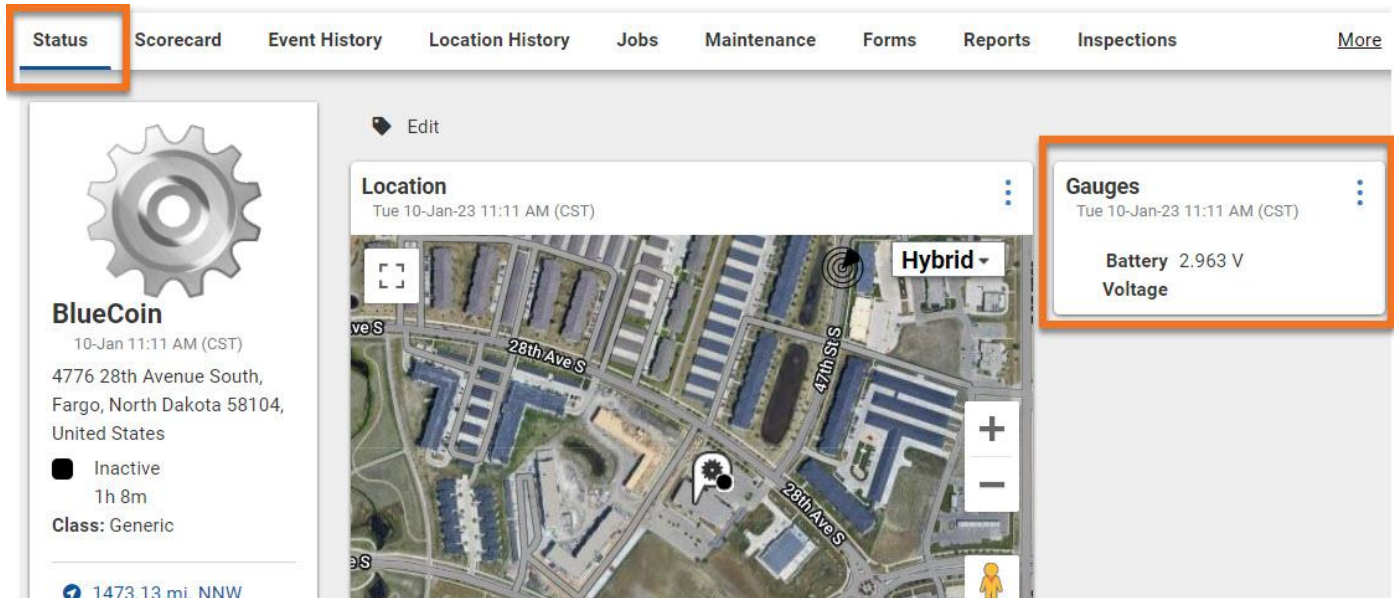
Gray - Offline

The tag has not been seen by a gateway device in 36 hours or more. It is important to know that the offline status of a tracking tag does not mean that the tag is no longer working.



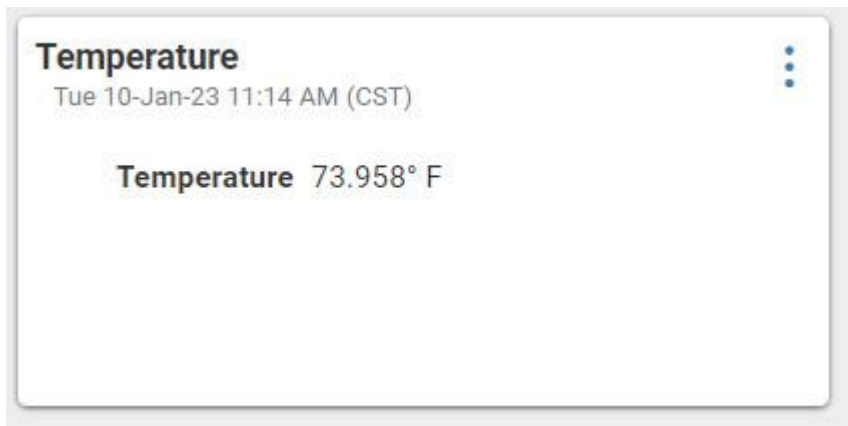
Status Data

On the asset's status page, there will be a map of where the tag was spotted last and a Gauges card which will show the tracking tag's battery voltage.



The screenshot shows the 'Status' page for a tracking tag named 'BlueCoin'. The page has a top navigation bar with tabs: Status, Scorecard, Event History, Location History, Jobs, Maintenance, Forms, Reports, Inspections, and More. The 'Status' tab is selected. On the left, there is a gear icon and the tag's details: 'BlueCoin', '10-Jan 11:11 AM (CST)', '4776 28th Avenue South, Fargo, North Dakota 58104, United States', 'Inactive', '1h 8m', 'Class: Generic', and a distance of '1473.13 mi. NNW'. The main area features a map titled 'Location' showing the tag's current position at 'Tue 10-Jan-23 11:11 AM (CST)'. The map is a satellite view of a residential area with streets labeled '28th Ave S' and '47th St S'. A 'Hybrid' map style selector is visible. On the right, there is a 'Gauges' card showing 'Battery 2.963 V' and 'Voltage'. The 'Gauges' card is highlighted with an orange border.

Tracking Tags that have special sensors will also have other data cards, such as Temperature.



The screenshot shows a 'Temperature' data card for a tracking tag. The card has a title 'Temperature' and a timestamp 'Tue 10-Jan-23 11:14 AM (CST)'. The main data displayed is 'Temperature 73.958° F'. The card is highlighted with an orange border.