



## AT&T Fleet Management (AFM) Platform Update Release Notes

What's New in AT&T Fleet Management platform – Version 8.0 Release  
Published November 2022

NOTE: The images shown here are for illustration purposes only and may appear different in the software as we approach the final release.

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### Rules

#### Update to the Backing up when leaving rule

To better differentiate the source of reverse detection, we are now using two diagnostics to detect backing up:

- Gear position of the vehicle
- Accelerometer-based reverse detection from the Geotab GO device

The Backing up when leaving rule in the AFM database is an important [safety feature](#) that helps reduce the risk of collisions. The rule will trigger an exception or alert when a driver reverses their vehicle from parking location against company rules. To identify reversing when leaving, this rule considers signals from the engine control unit (ECU) if they are present, otherwise it uses the accelerometer-based reverse detection from the GO device.

**IMPORTANT:** Going forward, the gear position diagnostic will only provide data from the vehicle, and will no longer be combined with the GO device's reverse detection algorithm. Reverse detection from the GO device will be reported as a separate diagnostic.

This rule will be updated in previous versions of AFM databases as well.

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### Assets

**Trailers page has been removed and trailers have been migrated to the Vehicles & Assets page**



You can now manage your assets in one place! We have consolidated the user experience to create more feature parity between vehicles and trailers. Trailers now have the same functionality that vehicles have had. For example, you can now:

- Add telematics devices to trailers
- Leverage maintenance reminders and log maintenance on your trailers
- Create rules for trailers
- Use our various [Excel reports](#) to keep track of your trailers, and gain valuable insights
- Additional properties are available on trailers, such as license plate and license state


See this [slide deck](#) to understand more about why this change was made, and how this may impact you.

## **Adding an asset — two new fields**

Two new fields have been added to the **Add Asset** page. Users are now prompted to select a mandatory **Asset Type Group** for their asset and can add the asset to other groups using the **Groups** field. The quick import function has also been updated to include a mandatory field for **Asset type**.

Add Asset  [Show help](#)

The serial number can be found on the device or in the supporting documentation provided by your installer. It is 12 characters long and contains both letters and numbers.

Serial number (optional):	<input type="text" value="G90B20CD02E4"/>	
Description:	<input type="text" value="FB-0001"/>	
Asset Type Group:	<input type="text" value="Trailer"/>	▼
Groups:	<input type="text" value="Select Groups"/>	▼
	<input type="text" value="Trailer"/>	×
	<input type="text" value="Las Vegas"/>	×

## Groups

### New built-in groups

To make it easier for our customers to manage vehicles and other assets, we have added several new built-in groups into all existing and new databases.

In our [2104 release](#) we introduced the concept of **Global reporting groups**. All of these new built-in groups are **Global reporting groups**, so customers do not need to worry about scope being a problem.

For example, John is part of one group: Las Vegas. In this group there are both vehicles and trailers. When John navigates to the **Vehicles & Assets** page, John will want to differentiate between vehicles and trailers (see which assets are in the Vehicle group or the Trailer group). Since John doesn't have access to the Vehicle or Trailer group, previously John would not have been able to see the assets that are in the Las Vegas group and also belong to the Vehicle or Trailer group. By marking these asset type groups as **Global reporting groups** (which we have done by default), John can see within the assets he has access to, which ones are in the Vehicle or Trailer group.

Note: Just because a group is marked as a **Global reporting group**, that doesn't mean all users can see all assets within this group. As a reminder, to set up a user's data access, edit that user by navigating to **Administration > Users**, and update their data access.

**Asset Information:** Group under **Company Group**, which contains various groups that describe the assets in your database. Customers can add additional groups under this group, such as an **Asset color** group, for example, to categorize their assets by their various colors.

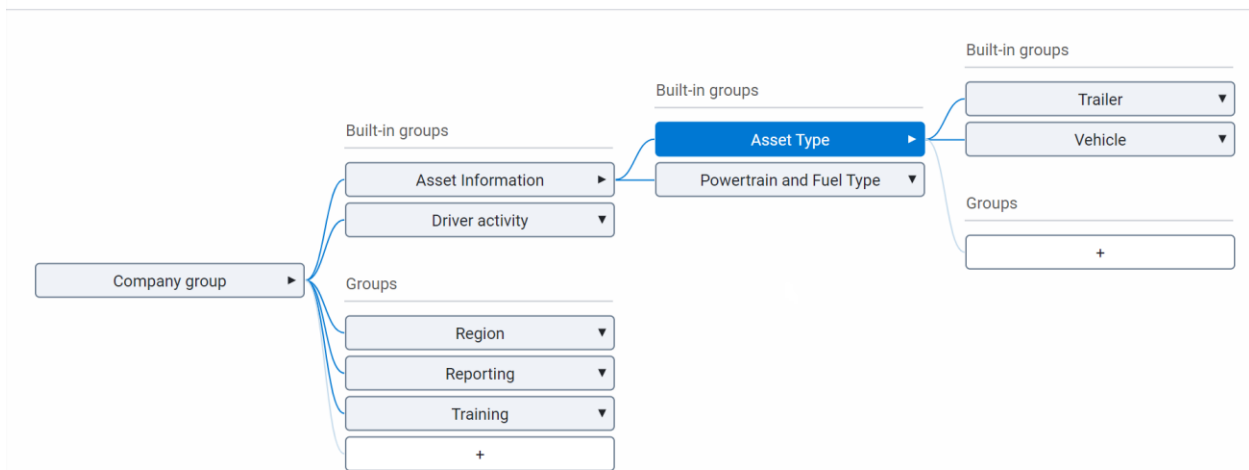
**Asset Type:** Group under the **Asset Information** group, which helps Customers categorize their assets by asset type. Customers can add additional asset types other than Vehicle and Trailer, which are included by default.

- **Vehicle:** Group under the **Asset Type** group. You can further break down the Vehicles in your database into child groups such as the **Heavy-Duty** group, **Medium Duty** group, and

the **Light Duty** group for example. **Please note:** All existing vehicles in their database will automatically be added to this group when Customers are upgraded to the 8.0 release. The **Vehicle** group will be used by the Geotab Drive app to filter for assets that are vehicles on the **Vehicle selection** screen.

- **Trailer:** Group under the **Asset Type** group. You can further break down the Trailers in your database into child groups such as the **Flatbed** group, **Enclosed** group, and the **Refrigerated** group for example. **Please note:** All existing trailers in their database will automatically be added to this group when Customers get upgraded to the 8.0 release. The **Trailer** group will be used by the Geotab Drive app to filter for assets that are trailers on the **Trailer selection** screen.

Groups Tree  [Show help](#)

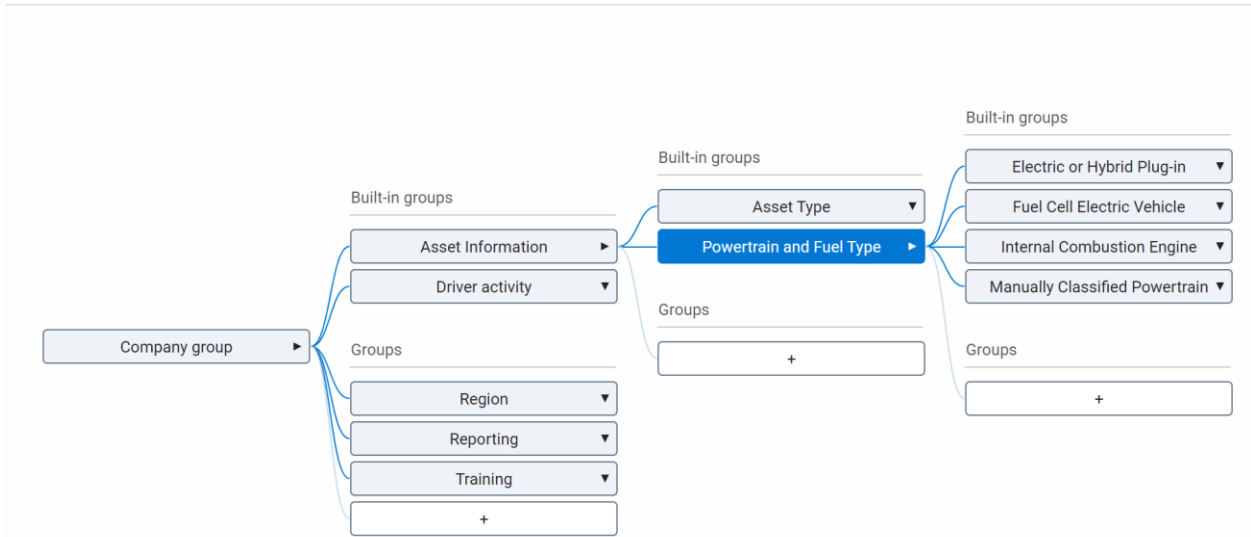


**Electric Vehicle Powertrain and Fuel Type Groups:** Groups under the **Asset Information** group. This new built-in group structure automatically classifies electric vehicles (EV) based on their unique powertrain types: Plug-in Hybrid (PHEV), Battery Electric Vehicle (BEV), or Fuel Cell Electric Vehicle (FCEV). The database will receive AI

model diagnostics data (if available for the vehicle), and automatically enter the respective asset into one of these three built-in groups.

Assets can be manually added or removed from the groups if they are not properly displayed in their respective group. If an asset is manually assigned to any of these groups, that asset will be tagged under the **Manually Classified Powertrain** group. Once an asset is manually classified, the **Manually Classified Powertrain** group must be removed in order for the asset to get automatically classified again. If the user is removing the **Manually Classified Powertrain** group to re-enable automatic classification, it is recommended that any existing powertrain or fuel type group for the asset is removed at the same time. An asset can be part of multiple groups if it is manually classified. However, in an automatic classification scenario, the asset may be only part of one built-in group, unless the asset is a Plug-in Hybrid vehicle.

There are new built-in group structures available for this feature under **Groups > Asset Information > Powertrain and Fuel Type**. In addition to the **Electric or Hybrid Plug-in, Fuel Cell Electric Vehicle**, and **Manually Classified Powertrain** groups, there is also the **Internal Combustion Engine** group. This group will include multiple sub-groups based on the asset fuel types. While the group structure is currently available, automatic assignment has not yet been configured and will be available in a later database release. In the meantime, AFM users can manually classify assets based on their fuel types using the same method described above.



## The Global Groups filter is now out of Feature Preview

You now have the option to specify the type of operator (**AND** and **OR**) to use when searching for groups using the **Groups** filter. The **Advanced Groups Filter** option allows you to use more than one type of operator when searching for a specific group.

For example, filtering for vehicles that belong to the **Tractor** group and the **Toronto** group displays a list of tractors that belong to the Toronto branch. Previously, the Groups filter used the **OR** operator by default. Using the example above, this means the page previously displayed all the tractors (including those outside Toronto) and all vehicles in Toronto (including non-tractor vehicles) together.

This feature was previously in Feature Preview, but is now available by default to all Customers. Thank you to all the customers who took time to try it out, and gave us feedback!

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## User

### **Groups and Data Access have been split up**

Prior to the 8.0 release, specifying Groups for users provided two functions:

1. Determining who within the organization could see the users; and,
2. Determining what the user could see in the database.


For example, if John Smith was part of the **Las Vegas** group, John could see assets, zones, users, reports, and more belonging to the Las Vegas group. Anyone who had access to the Las Vegas group (or higher, such as the Nevada group), could also see John in the database.

We have now split these functions into individual properties. Going forward, **Groups** will be used to designate which groups in the organization the user is part of. In this example, John works at the Las Vegas branch of his company, so John would continue to be part of the group **Las Vegas**.

**Data access** will determine what the user can see within the database. If John manages the delivery vehicles throughout the company, regardless of which branch they belong to, John's data access will be set as the **Delivery** group.

There is now no relationship between a user's **Groups** and **Data access**.



Add User  [Show help](#)


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[User](#) [Driver](#) [UI Settings](#) [Map Settings](#) [HOS Settings](#) [Feature Preview](#) [System Communications](#) [Support](#)

---

Groups:

Las Vegas

Data access:  

Delivery

## More granularity when configuring users' data access

You can now use operators such as AND and OR when setting up a user's data access.

For example, John is in charge of his company's western region trailers. The trailers in the company database are organized in a **Trailer** group, subdivided into **Northern Region**, **Southern Region**, **Eastern Region**, and **Western Region**.

To perform his job, John needs access to any trailers that are in both the **Trailer** and **Western Region** groups (i.e. the Western region's trailers because John is only in charge of these trailers). This data access can now be achieved using the AND operator.

### Advanced groups filter ✕

Create conditions below to filter the entire system.

<b>Operator</b> <input type="button" value="AND"/> <input type="button" value="OR"/>	<b>Groups</b> <a href="#">Remove condition</a> <input type="text" value="Select groups..."/> <input type="button" value="Clear selection"/> <div><span>Western Region</span> <span>✕</span></div> <div><span>Trailer</span> <span>✕</span></div>
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## Set default time zone based on user time zone

The database registration process uses your system's time zone as the default time zone unless the user manually selects a new time zone. Assets or users created after registering the database will now use the time zone of the user that created them by default.

## Reports

### More granularity when configuring which groups' data is within a report

You can now use the AND and OR operators when choosing Groups to get the exact data you need. For example, user John Smith wants an inventory report of the trailers belonging to the Western Region branch, scheduled and sent to this inbox monthly. John can configure the report as follows:

### Advanced groups filter ✕

Create conditions below to filter the entire system.

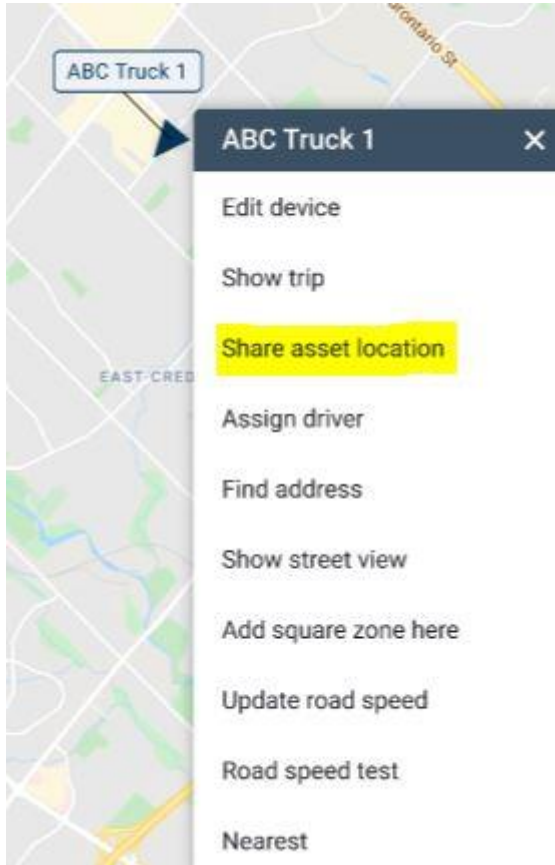
<b>Operator</b>	<b>Groups</b> <a href="#">Remove condition</a>
<input type="button" value="AND"/> <input type="button" value="OR"/>	<input type="text" value="Select groups..."/> <input type="button" value="Clear selection"/>
	<input type="button" value="Western Region"/> <input type="button" value="✕"/>
	<input type="button" value="Trailer"/> <input type="button" value="✕"/>

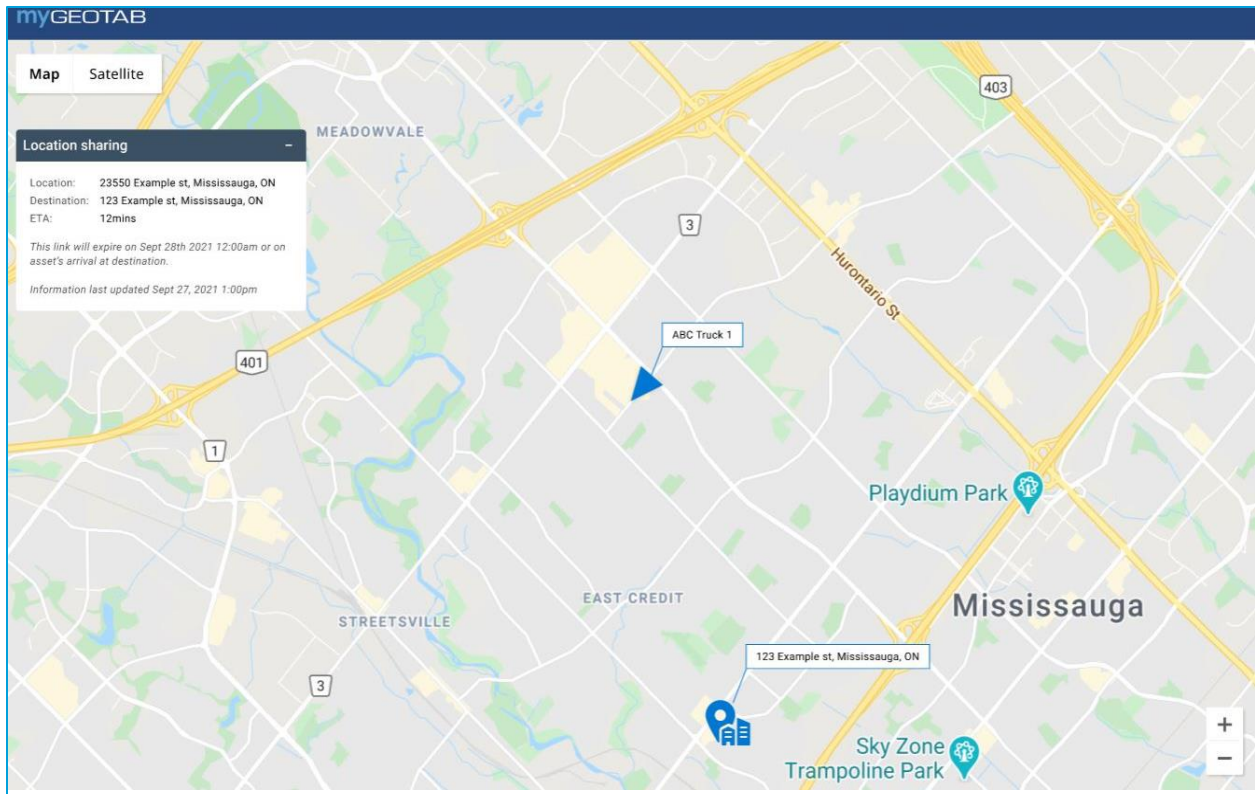
## Map

### Share Asset Location (Feature Preview)

You can now share an asset's location for a short time via a shareable link with Customers who do not have access to your database. The link displays the asset on the map and provides a near real-time ETA to the destination. Once the asset departs the destination, or the user-specified time window closes, the link expires.

**\* PRIVACY NOTE:** You understand that the link created exposes location information of your asset and associated driver to third parties, and may be forwarded by the recipient to other individuals. For data security purposes, the IP address of the recipient of the link will be collected and stored only as long as such purposes are achieved and for no other uses. You should confirm that creating and sharing this link is in compliance with your corporate policies and local privacy legislation.





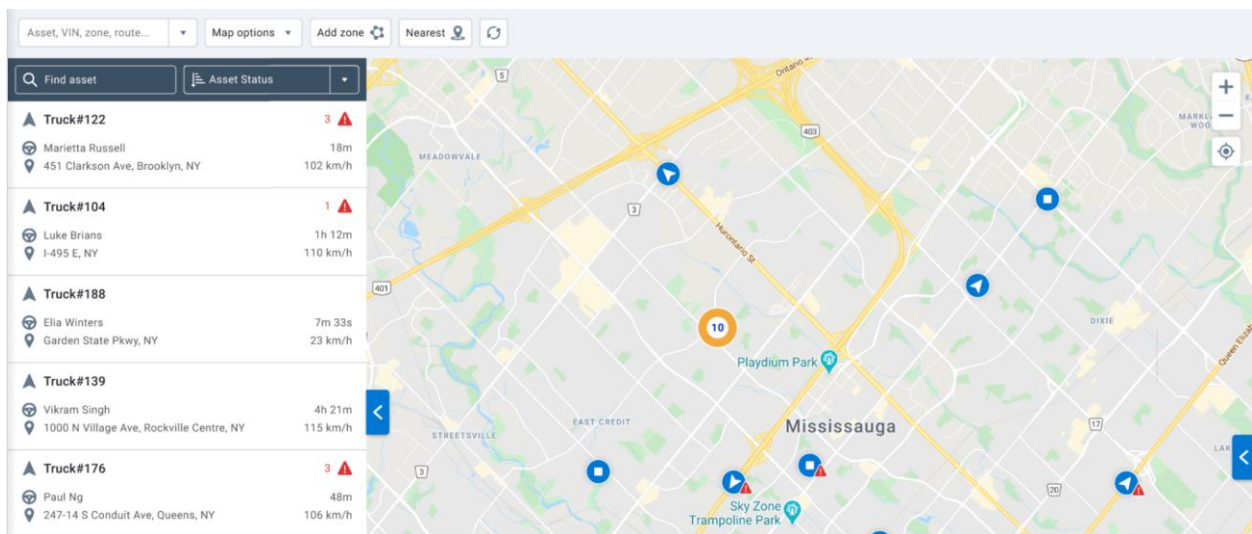
## New asset list layout on the Map

The layout of the asset list on the Map is improved! You can find a specific asset on the list using the **Find asset** field (formerly known as **Filter by asset**). The following information is displayed for each asset on the list:

- Asset name
- Asset status icon
- Time spent since the last status change (for example, driving for 18 minutes)
- Speed
- Number of ongoing exceptions
- Charge level and status for EVs
- Driver name

- Location of the asset, and if the asset is within a zone, the zone name

This information helps you gain an overview of your fleet at a glance. If you wish to further investigate an asset or act on an item, click it to open a card with more information. Click the **Back** button to return to the list.



### Asset card on the Map

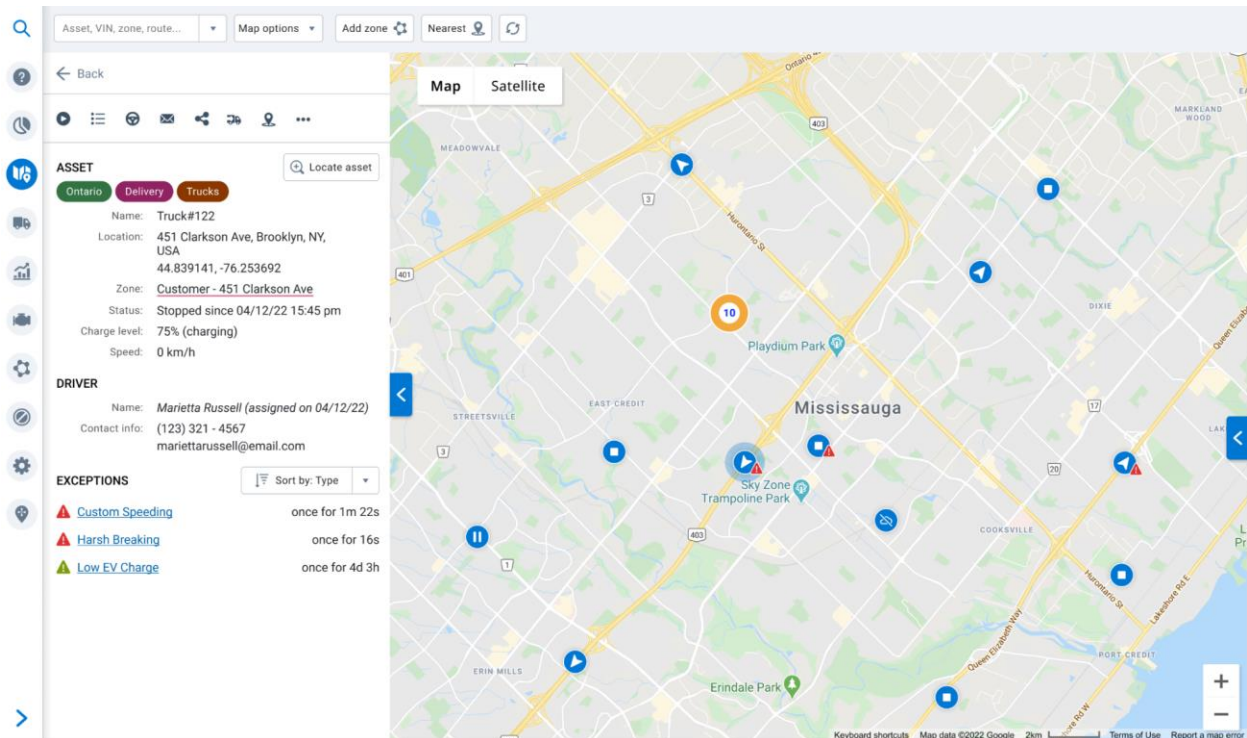
A new asset card now displays when an asset icon on the map or in the asset list is clicked. Opening this asset card automatically adjusts your viewport to zoom to the location of the asset. Return to the previous view or the asset list by clicking the Back button.

- The asset card displays the following information:
  - Groups that the asset belongs to, along with their respective colors
  - Asset name
  - Asset location, latitude and longitude
  - Zones that the asset is currently in, if any

- Asset status and the date and time of the last status change (for example, Stopped since 02/03/2022 15:45 pm)
- Charge level and status for EVs
- Speed
- Driver name (if one is assigned to the asset)
- Driver contact information
- Ongoing exceptions, if any

Additionally, you can click the following buttons to view more information:

- **View trip** opens the Trip History page and shows you the asset's trip history
- **View details** opens the Asset Edit page
- **Assign driver** opens a dialog for assigning a driver to the asset
- **Share asset location** allows you to share a link that shows this asset's live location for a short time
- **Nearest** finds the nearest assets to this asset's location among all assets selected in your asset filter
- **Send message** opens a page where you can send a new message to this asset
- **Dispatch asset** opens the Messages page for dispatching
- **More** allows you to take further actions, including **Show street view**, and view existing Add-Ins for this asset

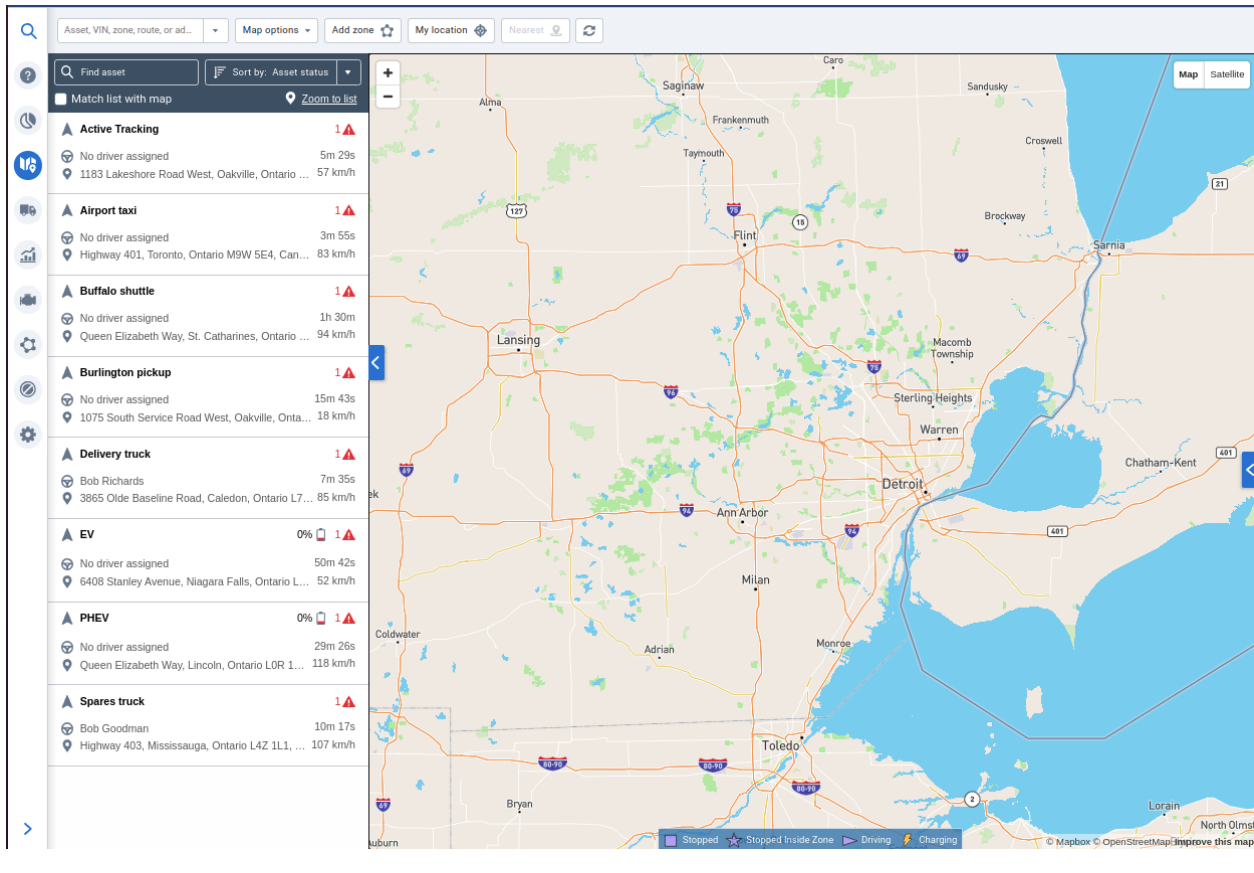


## Map auto zoom and list auto update (Feature Preview)

The **Map** feature's auto zoom and auto list features have been updated! You can now select the **Match list with map** checkbox to update the assets visible on the map. When the checkbox is unselected, moving the map or zooming in and out does not update the list.

To adjust the visible map area to the list while the checkbox is unselected, click **Zoom to list**. If you select an asset while the checkbox is unselected, click **Locate asset** on the asset card to zoom to the selected asset.





## Asset clustering on the Map

As a user, you can now see your assets clustered even when you have not selected All in the asset filter.

## Engine & Maintenance

### EV Battery Health Report Beta (Feature Preview)

The new EV Battery Health report (Feature Preview) communicates usable capacity loss of the vehicle's high voltage (HV) battery over the lifetime of your BEVs and PHEVs. The goal is to provide you with more information about the degradation of this important EV component.

The newly launched beta version of this report uses historic data communicated by vehicle beginning in January 2021 to make a usable

original capacity and current capacity detection. Monthly usable capacity determinations are made using a 90-day rolling average, showing battery capacity changes over the lifetime of your EVs.

Asset	Make, Model, Year	EV Type	Detection Date	Detection Date Odometer	EV Battery Health	Usable Detected Capacity	Usable Original Capacity
640000	Chevrolet Bolt EV 2019	BEV	01/01/22	17975 km	98%	57.4 – 58.2 kWh	58.7 – 59.4 kWh
640000	Chevrolet Bolt EV 2019	BEV	12/01/21	16712 km	98%	57.7 – 58.4 kWh	58.7 – 59.4 kWh

## Skip and Snooze Reminders

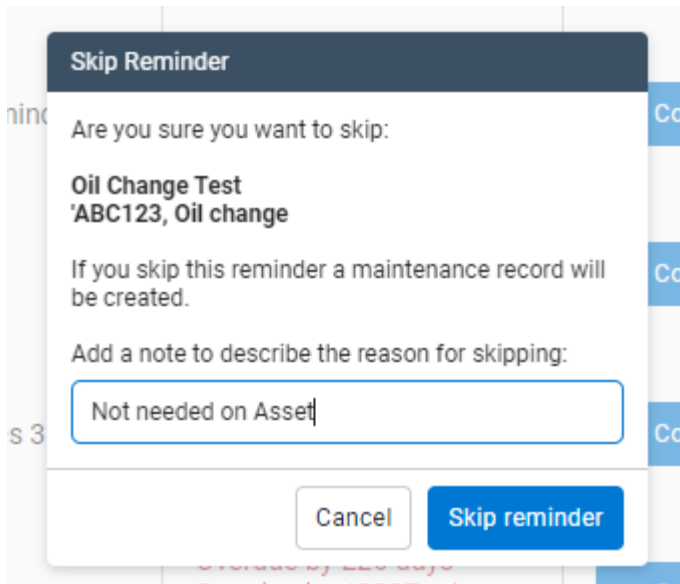
**Skip Reminder** and **Snooze** buttons have been added to the **Maintenance** page to give you the power to better manage your maintenance cycles! The **Skip Reminder** button allows you to skip a single cycle of maintenance reminders for a given asset, while the **Snooze** button allows you to put off a maintenance reminder for one, seven, or thirty days.

Filter ▾
Sort by: Status ▾
Report ▾
Add reminder

Upcoming Maintenance 🔍
Showing 192 reminders Col

Asset name	Maintenance type	Maintenance reminder	Status	Actions	Current Odometer	Current Engine Hours
<b>Overdue</b>						
ABC123 Test	Oil change	Oil Change Test	Overdue by 1184 days Due in 1864 mi	<span style="background-color: #0070c0; color: white; padding: 2px 5px; border-radius: 3px;">✔ Complete</span> <span style="margin-left: 5px;">Snooze ▾</span> <span style="margin-left: 5px; border: 1px solid #ccc; padding: 2px 5px; border-radius: 3px;">Skip reminder</span>	26241 mi	135.81 h
ABC123 Test	Tire Rotation Due	Tire Rotation Reminder	Overdue by 29 days	<span style="background-color: #0070c0; color: white; padding: 2px 5px; border-radius: 3px;">✔ Complete</span> <span style="margin-left: 5px;">Snooze ▾</span> <span style="margin-left: 5px; border: 1px solid #ccc; padding: 2px 5px; border-radius: 3px;">Skip reminder</span>	26241 mi	135.81 h

Skipping a reminder opens a new window and allows you to enter comments detailing why the maintenance event was skipped. If you made a mistake, you can click **Undo skip** on the asset's **Maintenance Details** page to delete the skipped maintenance record. Records of skipped reminders can be found on the **Maintenance Records** page.



Snoozing a maintenance reminder keeps the reminder in your **Maintenance Reminders** tab, but shows a countdown based on your selection of one, seven, or thirty days. Once the selected time has expired, the reminder will return to the top of your Maintenance Reminders tab when searching for new reminders.

To snooze a reminder, click **Snooze** and select a duration from the available options. Confirm your selection by clicking **Snooze reminder** in the popup dialog. A green confirmation banner confirms your changes at the top of the screen.

Upcoming Maintenance <span>🔍</span>							Showing 192 reminder
Asset name	Maintenance type	Maintenance reminder	Status	Actions	Current Odometer	Current Engine Hours	
<b>Overdue</b>							
'ABC123 Test	Oil change	Oil Change Test	Overdue by 1184 days Due in 1864 mi	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Snooze <input type="checkbox"/> Skip reminder	26241 mi	135.81 h	
'ABC123 Test	Tire Rotation Due	Tire Rotation Reminder	Overdue by 29 days	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Snooze for 1 day <input type="checkbox"/> Snooze for 7 days <input type="checkbox"/> Snooze for 30 days	26241 mi	135.81 h	
.....	.....	.....	Overdue by 25 days	.....	.....	.....	



## Ability to import maintenance records by searching for VIN or asset name

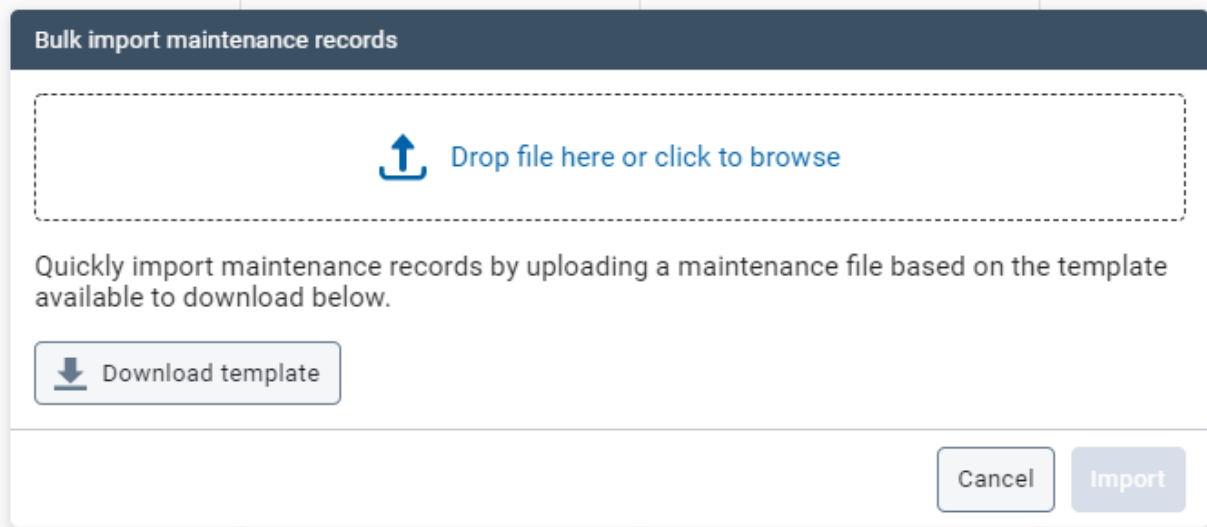
Importing Maintenance Records has never been easier with the new ability to search for VIN or asset name already on your database to associate with imported records. Previously, you only had the option to import records using the serial number of your GO device.

To use this new ability, navigate to the Maintenance Records page, click **Add maintenance**, then click **Bulk import maintenance**.

The screenshot shows the Maintenance Records page interface. At the top, there is a search bar labeled "Search for records", a "Filter" dropdown, a "Sort by: Date completed" dropdown, a "Report" dropdown, and a blue "Add maintenance" button. A dropdown menu is open under the "Add maintenance" button, showing two options: "Add maintenance record" and "Bulk import maintenance". Below the navigation bar, the page title "Maintenance Records" is displayed with a bookmark icon. The main content area contains a table with the following data:

Asset name	Date completed	Maintenance reminder	Maintenance type	Total
<b>BlackWidow</b> Avengers, Surfsight	03/04/22	Tire rotation	Tire rotation	-
<b>BlackWidow</b> Avengers, Surfsight	03/04/22	Tire rotation	Tire rotation	-
<b>BlackWidow</b> Avengers, Surfsight	03/04/22	Tire rotation	Tire rotation	-

Download the template for importing your records. It allows you to enter either the VIN or the name of the asset added to your database.



## Added toggle for including or excluding archived assets for the Fuel and EV Energy Usage report

Customers can now specify whether they want to include archived assets in their report.

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## Routing

### Ongoing improvements to Routes (Feature Preview)

We continue our work to improve design and usability of **Routes** for fleets of all sizes. For this release, we added two **default empty route stops** to make the Route creation process more intuitive. Each route stop now has an **address/zone search field** making it easy to add and edit a stop address or zone. We've added the ability to repeat routes (for example, daily, weekly, etc.) to reduce the amount of time spent creating new routes, and also updated the labels for **Route Type** from **Route** and **Route Plans** to **Unplanned** and **Planned** routes to make it more intuitive.

# Route Edit

[Show help](#)




## ROUTE DETAILS

Name:

Comment:  
(Optional)

## ROUTE STOPS

Click on an area on the map, or type an address.

-  7180 Pollock Dr, Las Vegas, NV, 89119
-  Pollock Pines, CA, 95726
-  Pollock Dr, Las Vegas, NV, 89123

1

Zone or address:



+ Add comment

2

Zone or address:



+ Add comment

Search zones or address...

### Route Edit

**ROUTE DETAILS**

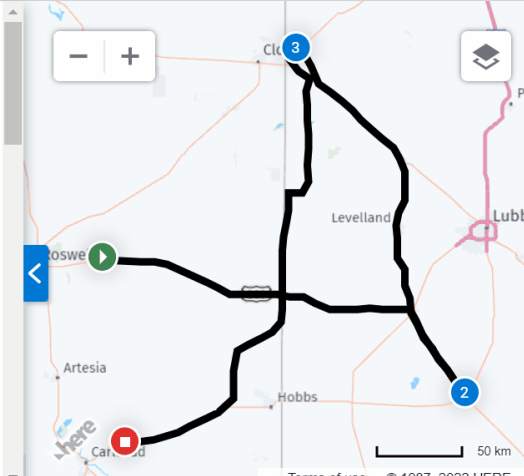
Name:

Asset:

Route repeats:

Start date:

Comment:



Map showing a route through Levelland, Lubb, and Hobbs. The route is marked with numbered markers 2 and 3. The map includes a scale bar for 50 km and a copyright notice: © 1987-2022 HERE.

## Public Works

### Live Service Map

Users now have the ability to view near real-time when roads have last been serviced. This allows city managers to monitor and analyze the freshness of passes of fleets that are assigned to specific route schedules to see when road operations have been completed. Freshness of passes are indicated on the map based on the **Service within the last:** time window and color set by the user for a Service Rule.

**<1hrs**  
1hr total

---

**1-1.5hrs** >  
30mins total  
[Remove](#)

---

**1.5-8hrs** >  
6hrs 30mins total  
[Remove](#)

[Add new time window](#) +

Label:

Segment Rule:  
Serviced within the last:

Pick a Color:

●

●

●

●

●

●

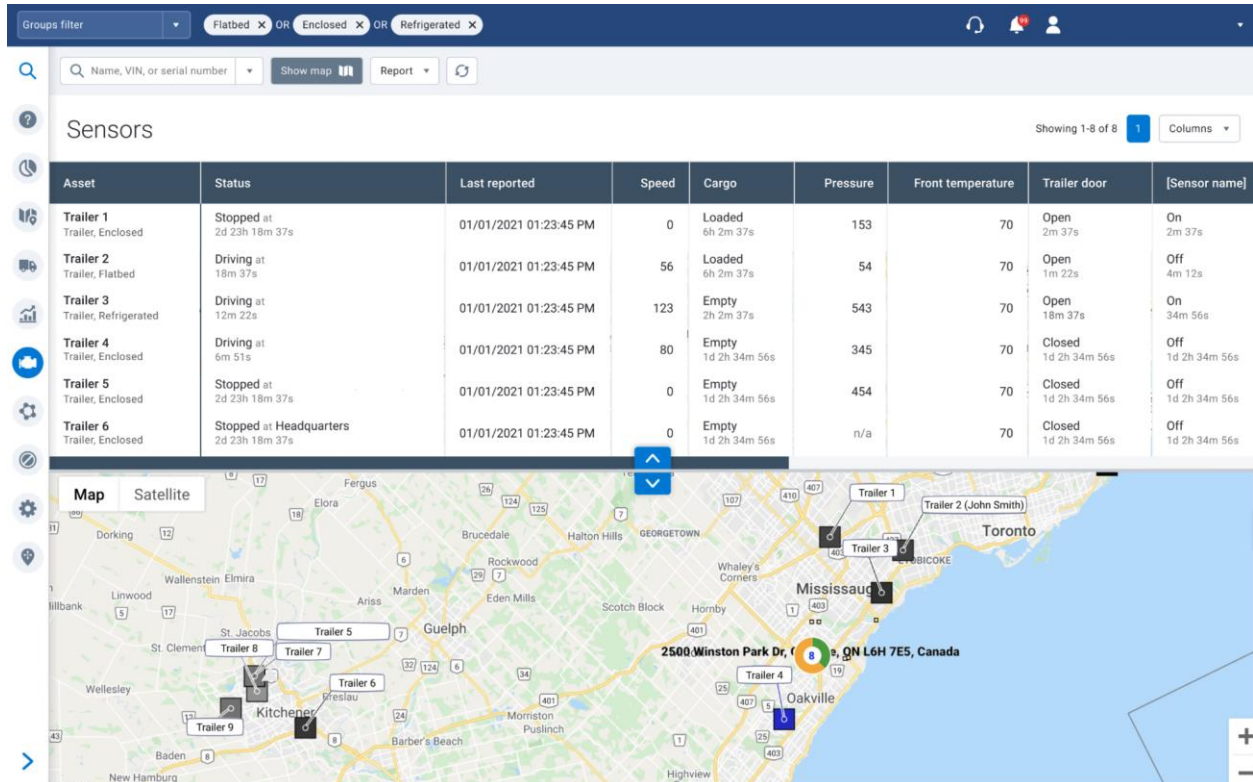
## Asset Monitoring Improvements

- Users now have refresh options with a dropdown menu with a selection of no refresh, every one minute, every 5 minutes and refresh now.



- The grid view now remembers configuration of the page such as columns and filters when a user returns to the page after exiting.

The main asset monitoring page (grid view) now allows users to switch between full table view, full map view, or split screen view.



The screenshot displays the AT&T asset monitoring interface. At the top, there are filters for 'Flatbed', 'Enclosed', and 'Refrigerated'. Below the filters is a search bar and a 'Show map' button. The main content area is divided into two sections: a table of sensors and a map view.

Asset	Status	Last reported	Speed	Cargo	Pressure	Front temperature	Trailer door	[Sensor name]
Trailer 1 Trailer, Enclosed	Stopped at 2d 23h 18m 37s	01/01/2021 01:23:45 PM	0	Loaded 6h 2m 37s	153	70	Open 2m 37s	On 2m 37s
Trailer 2 Trailer, Flatbed	Driving at 18m 37s	01/01/2021 01:23:45 PM	56	Loaded 6h 2m 37s	54	70	Open 1m 22s	Off 4m 12s
Trailer 3 Trailer, Refrigerated	Driving at 12m 22s	01/01/2021 01:23:45 PM	123	Empty 2h 2m 37s	543	70	Open 18m 37s	On 34m 56s
Trailer 4 Trailer, Enclosed	Driving at 6m 51s	01/01/2021 01:23:45 PM	80	Empty 1d 2h 34m 56s	345	70	Closed 1d 2h 34m 56s	Off 1d 2h 34m 56s
Trailer 5 Trailer, Enclosed	Stopped at 2d 23h 18m 37s	01/01/2021 01:23:45 PM	0	Empty 1d 2h 34m 56s	454	70	Closed 1d 2h 34m 56s	Off 1d 2h 34m 56s
Trailer 6 Trailer, Enclosed	Stopped at Headquarters 2d 23h 18m 37s	01/01/2021 01:23:45 PM	0	Empty 1d 2h 34m 56s	n/a	70	Closed 1d 2h 34m 56s	Off 1d 2h 34m 56s

The map view below the table shows the locations of the trailers. Trailer 1 is located in Toronto, Trailer 2 (John Smith) is in Mississauga, Trailer 3 is in Mississauga, Trailer 4 is in Mississauga, Trailer 5 is in Guelph, Trailer 6 is in Kitchener, Trailer 7 is in Kitchener, Trailer 8 is in Kitchener, and Trailer 9 is in Kitchener. The map also shows the location of 2500 Winston Park Dr, Mississauga, ON L6H 7E5, Canada.

## Download Report

Users can now download a spreadsheet of the most recent data present on the grid view.

## Graph View

- Users now have the ability to select an asset and view a historical view of all the sensor data, as well as a map that shows the trips in a



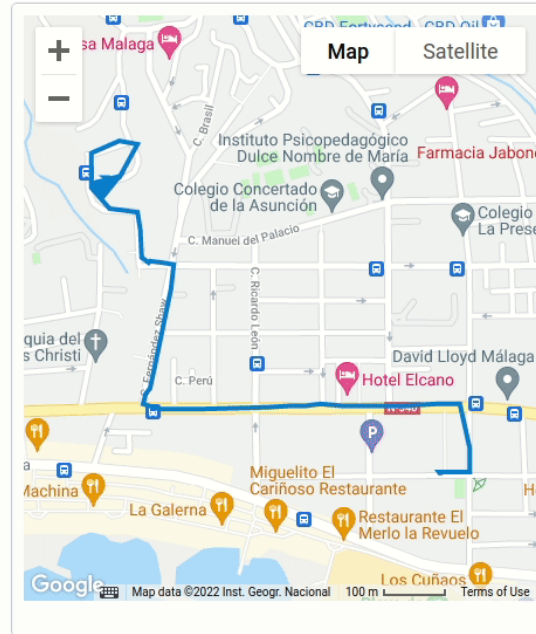
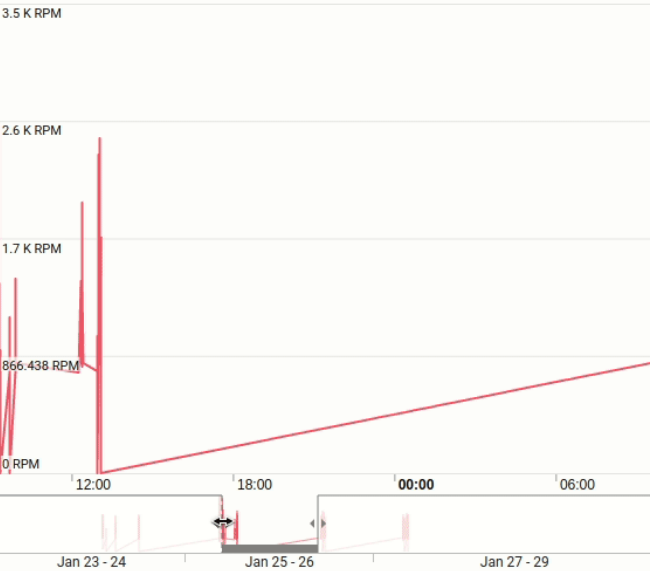
specific date range. Diagnostics are selectable, allowing any data to be shown in this view.

- Users can also see any exceptions that may have been triggered below the map during a trip.
- Users can view the data on both a graph and an accompanying table, which provide more granular information.

## Engine Data Profile Mr. Brightside

● Engine speed (RPM)

01/25/22 09:17:09 - 01/26/22 09:46:09



\* - Presented graphs are based on raw data points from the telematics device. All data between these points are interpolated values only.

Date	Address	Engine speed
01/25/22 09:18:27	C. Arquitecto Alonso Car...	1088.4944220140746
01/25/22 09:19:41	C. Arquitecto Alonso Car...	810.5
01/25/22 09:19:46	C. Arquitecto Alonso Car...	1404.75
01/25/22 09:19:49	C. Arquitecto Alonso Car...	795.75
01/25/22 09:20:16	C. Arquitecto Alonso Car...	1382
01/25/22 09:20:18	C. Arquitecto Alonso Car...	819.5

## SDK and Add-In updates

### Add-In

#### **getAdvancedGroupFilter**

For integrators using the `getgroupfilter()` method for Add-in development, there was an announcement made here on March 4, 2021, which mentioned the plan for future deprecation of this method. The timing for this is not yet determined. However, `getAdvancedGroupFilter()` was introduced in 5.7.2101 in Feature Preview and is now available in the core 8.0 release. Integrators should use the new `getAdvancedGroupFilter()` to support advanced filters in their Add-in integrations. Examples of behavior with the current `getGroupFilter()` method under the database UI filtering options are as follows:

- If a user selects a complex structure in the organization filter (for example, (Canada OR USA) AND Trailers), the old method of `getGroupFilter()` will return a top-level group of `[{ id: ""GroupCompanyId"" }]`
- If a user selects a few groups (for example, Canada OR USA) the old method `getGroupFilter()` will work as it does now

For more details on the implementation of `getAdvancedGroupFilter()`, see this [SDK Change Announcement](#).

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## SDK

### Special note about Trailer and Device:

We have migrated all Trailers to be Devices in all customer databases. As a result, you will see the following changes:

- **GroupAssetTypeId**, **GroupTrailerId**, and **GroupVehicleId** built-in groups are added under `CompanyGroup`.
- A **GroupVehicleId** built-in group is added to all Devices.

- Calling Add Trailer and Add Device with the **GroupTrailerId** built-in group now performs the same action. Both create a Device in the system that is in the **GroupTrailerId** group.
- Trailer APIs have been marked as obsolete but will continue to be supported (for now).
- Calling Get Device now returns devices that are in the **GroupTrailerId** built-in group as part of the response.
- If the Customer wants only vehicles to be returned when calling Get Device, and not trailers, they should specify groupSearch: {"id":"GroupVehicleId"}.
- If the Customer wants only vehicles in a certain group, then use groupFilterCondition selection screens on the Drive App. Calling Set Device and switching the group from **GroupTrailerId** built-in group to **GroupVehicleId** built-in group or vice versa will not be allowed. This is a temporary restriction in the 8.0 release, and we intend to remove this check in a future release.

See this [slide deck](#) to understand more about why this change was made, and how this may impact you.

#### Special note about EV Powertrain Groups:

This new built-in group structure automatically classifies electric vehicles (EV) based on their unique powertrain types: Plug-in Hybrid (PHEV), Battery Electric Vehicle (BEV), or Fuel Cell Electric Vehicle (FCEV). See [Version 8.0 SDK Announcement - New built-in groups for EV powertrain identification for additional details](#).

- (unsupported and subject to change) instead of groupSearch. For example:

```
"groupFilterCondition":{"relation":"And","groupFilterConditions":  
[{"groupId":"b27C2"}, {"groupId":"GroupVehicleId"}]}
```



- Calling Add Trailer with the **GroupTrailerId** or **GroupVehicleId** built-in groups will throw an error.
- **! IMPORTANT:** Calling Set Device and removing the **GroupVehicleId** or **GroupTrailerId** built-in groups will prevent the vehicle or trailer from being shown on the relevant

### Special note about User:

- Calling Get User will return an additional property called AccessGroupFilter (unsupported, and subject to change).
  - By default, the value will be null.
  - If null, that means we will take the user's companyGroups property and use an OR operator between the groups to identify what this user can see within the database. The default value for all users will be null after the 8.0 upgrade. This maintains the previous behavior prior to the 8.0 release.
  - If the AccessGroupFilter property is populated, we will use this information when evaluating what the user can see within the system. It will no longer be in sync with the companyGroups property.
- The CompanyGroups property will specify what groups the user is in, which will be used to determine who can see this user.

## Updates

### AddInData

- Removed the obsolete alpha Data property.

### Audit

- Fix: The Audit API is inconsistent in what it returns. Most ways of getting audit (Get - from ID or search, GetFeed) do not return a populated User property. However, the GetAll (Get with no search) returns records with the user fully populated. This is not consistent with the API philosophy. A nested entity will only have its ID populated. User will now never be returned in the Audit object (only userName).

## **Device**

- Fix: Searching for CustomDevice type could also return CustomVehicleDevice devices in some cases. It has been fixed to return only devices of CustomDevice type.

## **DutyStatusAvailability**

- Added IsAdverseDrivingApplied and IsRailroadExemptionAvailable

## **DutyStatusLogType**

- Added RailroadExemption

## **DVIRLog**

- RepairStatus / RepairUser / RepairDate cannot be changed once set. A repair cannot be completed without the RepairUser, RepairDate, and RepairStatus

## **GroupRelations**

- Improved description of GroupRelations in API Reference.

## **Group**

- Added the following system groups:
  - GroupAssetTypeId
  - GroupVehicleId
  - GroupTrailerId

- PowertrainAndFuelTypeId
- GroupElectricHybridPluginId
- GroupBatteryElectricVehicleId
- GroupPluginHybridElectricVehicleId
- GroupFuelCellElectricVehicleId
- GroupInternalCombustionEngineId
- GroupBiodieselId
- GroupCompressedNaturalGasId
- GroupDieselId
- GroupEthanolId
- GroupGasolinePetrolId
- GroupLiquifiedNaturalGasId
- GroupPropaneLiquifiedPetroleumGasId
- GroupManuallyClassifiedPowertrainId

### **HosRuleSet**

- Added America7DayRailroad and America8DayRailroad.

### **KnownIoxAddOnTypes**

- Added NFC, Bluetooth, and UReader add-on types.

### **Nuget Package**

- Nuget package uses HttpClient.VersionPolicy RequestVersionOrHigher. Allowing client to use HTTP/2 and above. HttpClient default is HTTP/1.1.





## **SecurityIdentifier**

- Added EVBatteryHealthReport.

## **Trailer**

- Marked obsolete, but can still be used for this release.

## **TrailerAttachment**

- Marked obsolete, but can still be used for this release.

## **User**

- Added IsAdverseDrivingEnabled

## **Zone**

- When adding and setting zones, points are validated to be latitude and longitude bounds. Valid Latitude -90 to 90. Valid Longitude -180 to 180.

## **ZoneSearch**

- Viewport property which was made obsolete in v5.7.2004 will be removed and no longer supported in v9.0. Please switch your application to use searchArea and BoundingBox objects as soon as possible.