

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

What's New in AFM platform – Version 10.0 Release

Published April 2023

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

# **New changes - Action required!**

The following changes included with this release require action by you or your administrators/users and may affect your workflows:

# **Default purge settings**

- Starting in the 10.0 release, the default purge frequency for new databases will be set to two years, and enabled on the database by default. The default purge frequency means that older data than two years will be deleted from the database.
- The updated default purge frequency for new databases will be retroactively updated on AFM databases with software version 7.0, 8.0, and 9.0.
- REQUIRED ACTION: To modify the default purge frequency, go to the Administration > System... > System Settings page and select the Purge tab.

\* NOTE: The purge frequency for existing databases has not been changed.

# **New In-page Groups filter**

- We've developed a new Groups filter in Feature Preview to replace the current Groups filter.
- The new Groups filter will replace the current Groups filter in the top left corner of the screen.



- There are two ways to use the new Groups filter:
  - Filter for groups on the current page only.
  - Enable the **Apply site wide** option to leverage the same filter on other pages within AFM.
- REQUIRED ACTION: You can shape the future of this feature! Go to User options > Options in the top-right corner to turn on the Groups filter Feature Preview settings under the Feature Preview tab to test the capabilities of the filter. After you've had a chance to test the new in-page Groups filter, fill out the feedback survey to tell us what you think of the new changes!

# AFM SDK - v10.0 Nuget Package

- We've made a performance optimization to ObjectModel classes by marking them "sealed".
- Integrators using the Nuget package and extending Geotab
   Objects will receive a compilation error upon upgrading to v10.0
   of the Nuget package.
- **REQUIRED ACTION**: Create your own POCO objects to avoid extending the objects from the Nuget package.
- \* NOTE: You may use the v9.0 Nuget package temporarily until you are able to make the necessary changes to upgrade to v10.0.

# **Vehicles and Assets**

Device behavior override introduction

**Region:** Global

We've added a new feature for GO9 and newer devices: **Device behavior override**. Device behavior override allows Partners and



Customers to modify GO device behavior when an asset is off through the Continuous data connection and Extended GPS connection overrides

\* NOTE: Use of either the Continuous data connection or Extended **GPS activation** overrides will adversely affect asset battery life. Geotab recommends use of the Battery Drain rule under Rules & **Groups** > **Rules** in order to be notified of potential battery drain events when using these overrides.

#### Continuous data connection

Continuous data connection (previously referred to as Continuous Connect) modifies referred to as Periodically wake the GO device's modem behavior when an asset is off

Continuous data connection maintains a cellular connection between the GO device and AFM at all times, which is helpful to receive Keyless commands, actuate an IOX, or stream data from AFM to the GO device.

For more information, refer to Continuous Data Connection Overview [PUB].

#### **Extended GPS activation**

**Extended GPS activation** (previously GPS) modifies the GO device's GPS behavior when an asset is off.

Extended GPS activation extends the amount of time that the GO device's GPS module is active when an asset is off, to ensure an accurate GPS location is found for the beginning of the next trip.

\* NOTE: Continuous data connection requires GO firmware versions x37.21 and x38.15 or newer in order to function. Please update your firmware when available.

To access **Device behavior override**, navigate to the **Vehicles &** Assets page and select an asset. On the Asset Edit page, select the Settings tab and expand the Advanced section. Enable the Device behavior override toggle, select one of the options, then click Save.



Device behavior override

Select one or more of the following options:

Continuous data connection

Keep an active connection with the device when the asset is off. This is useful for Keyless, actuating an IOX, or streaming data.

See Continuous Data Connection Overview for more information

Extended GPS activation

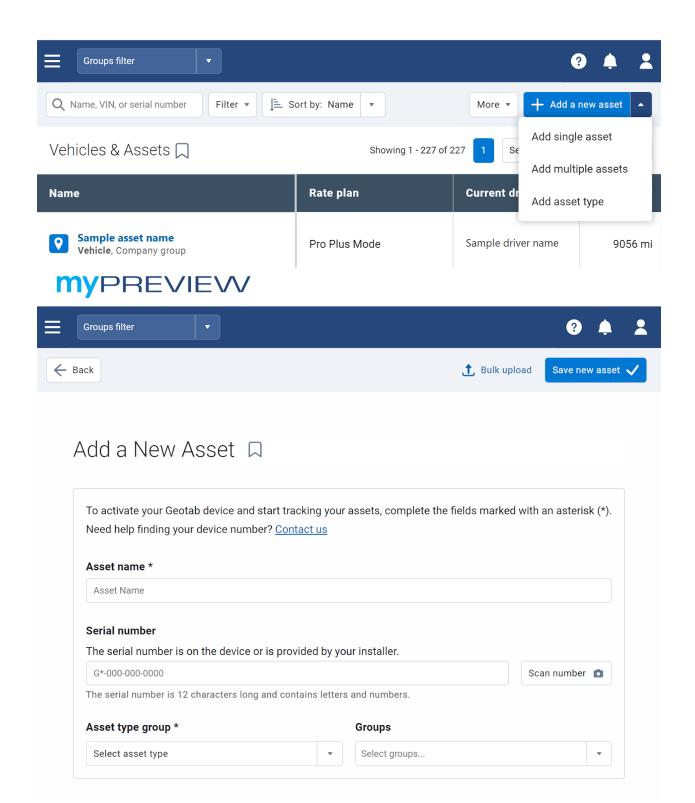
Enable the device to keep the GPS receiver on for longer periods of time. This provides a better location of your asset at the beginning of trips.

Using these features impacts battery life. Activate battery monitoring to be alerted if your asset's batteries are low.

# Workflow for adding new assets

Adding assets in AFM just got easier! We've added a new **Add a new asset** button on the **Vehicles & Assets** page, so you can add a single asset or multiple asset using a single menu.

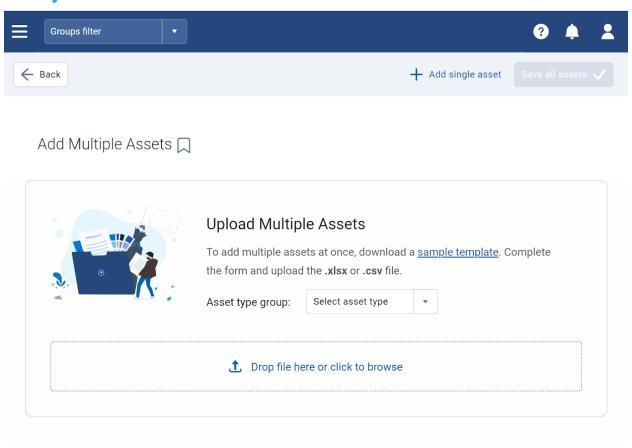






Additionally, we replaced the **Quick Import** pop-up window. Now, when adding multiple assets, you can now upload a spreadsheet with the list of the asset information on the **Add Multiple Assets** page.

# **MYPREVIEW**



# Groups

# In-page groups filter

We've developed a new **Groups** filter (available in Feature Preview) to replace the current **Groups** filter. The new **Groups** filter can be used in two ways:

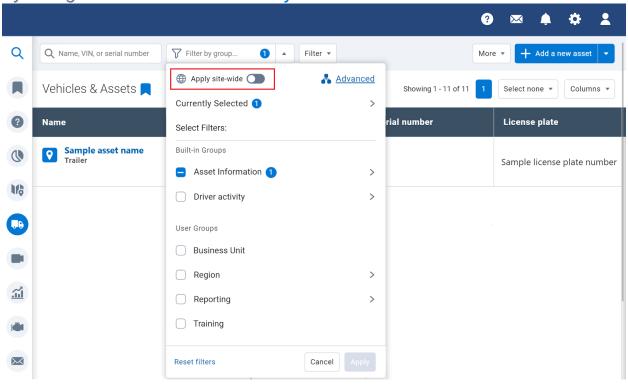
- Filter for groups on the current page only.
- Enable the Apply site wide option to leverage the same filter on other pages within AFM.



Also, on the **Vehicles & Assets** page only, the new **Groups** filter replaced the **Show Assets** filter.

\* NOTE: The new Groups filter is not yet available on all pages in the AFM application.

We want to hear from you! Tell us what you think of the new changes by filling out the feedback survey.



# **Activity Safety Center**

We are excited to introduce **Safety Center** in Feature Preview! **Safety Center** is a one-stop shop for your safety-related information. It provides Fleet Managers and Fleet Administrators with fleet optics and exception insights, allowing you to compare to other fleets of similar size and groups, as well as **Peer Group Leaders**.



Use **Safety Center** to view your **Fleet Score**, **Insights**, **Total Exceptions**, **Exceptions Severity**, the **Lowest Scoring Vehicles** in your fleet, and **Exceptions per Kilometer**.

**\* NOTE**: **Safety Center** is powered by Geotab's DnA engine. The information that displays on this page differs from the information that displays on the **Exceptions** page.

To access **Safety Center**, follow these steps:

- 1. From the **User options** dropdown menu, select **Options** > **Feature**Preview
- 2. Enable the **Safety Center** toggle, then click **Save**.



A new page for monitoring all your fleet's safety data in one place.

- 3. Navigate to the **Activity** page from the AFM main menu, then select **Safety Center**.
- **\* NOTE**: **Safety Center** does not support the Group feature, and therefore only users with Administrator clearances can access the feature in 10.0 version of AFM.

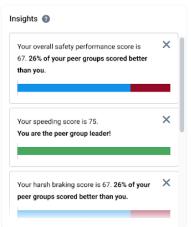
We value your feedback in our effort to develop simple and efficient solutions. Please share your thoughts on the Maintenance Center using the Feedback Hub

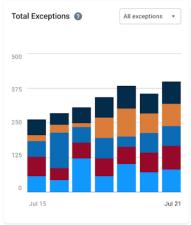
Refer to the Safety Center User Guide for more information.

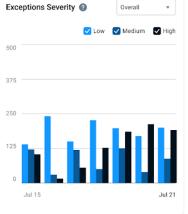




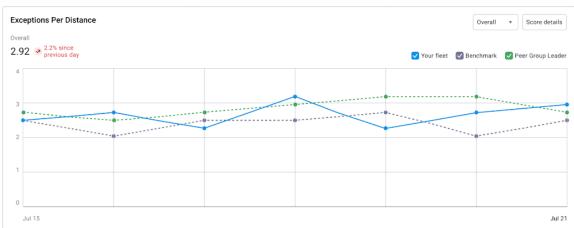














#### Map

# **Ongoing improvements to Share Asset Location**

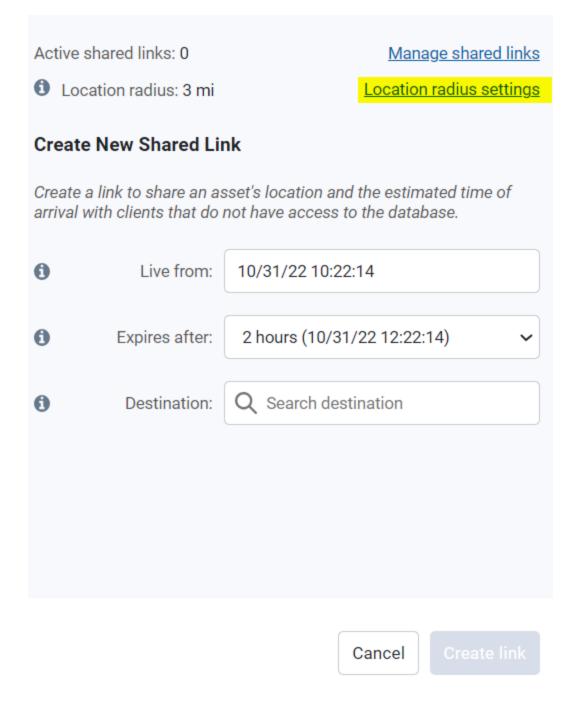
We're continuing to improve the design and usability of the **Share Asset Location** feature. We've added a **Location Radius Setting** to accommodate use cases where Customers may need visibility of longer distances between the asset and the target destination.

To access the feature, navigate to the **Administration > System... > System Settings** page, select the **Maps** tab, then modify the radius limit in the **Map Location Sharing Radius** section. You are able to specify a radius distance between 1 and 500 km. This allows you to change the global settings for location sharing.

# ASSET LOCATION SHARING RADIUS Set the distance at which your asset's ETA to a destination will be displayed when using Asset Location Sharing. This is a global setting for all shared links. Define radius 1 km 500 km 3 km

You can also use the **Location Radius Setting** feature through the **Map** page by clicking on the asset on the **Map**, then selecting **Share Asset Location** option from the dropdown menu. In the **Location Sharing** window, click **Location radius settings** to define the location radius limit.

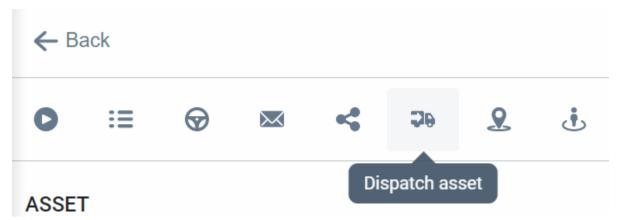




# Dispatch asset from the Asset card on the Map

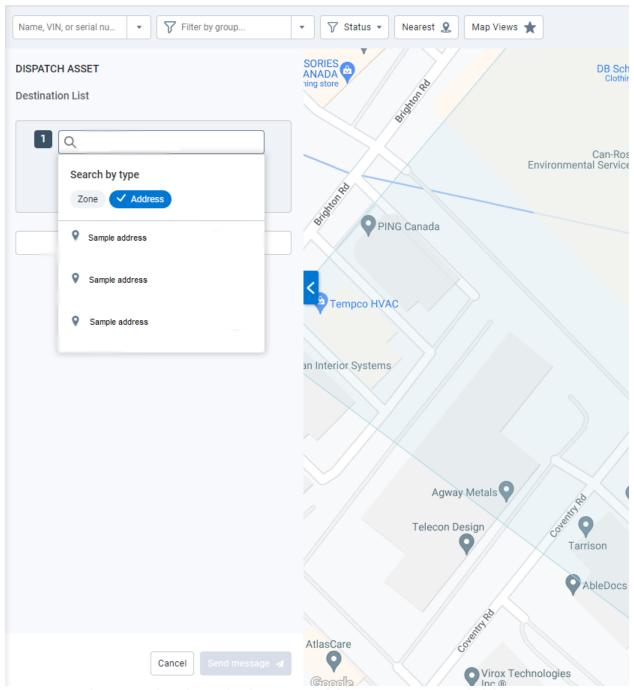
For your convenience, you can now dispatch an asset without leaving the Map! Dispatch an asset from the Asset panel by clicking the **Dispatch asset** button.





From the **Dispatch Asset** panel, you can dispatch the asset to any address or zone, and also attach a message to the driver.



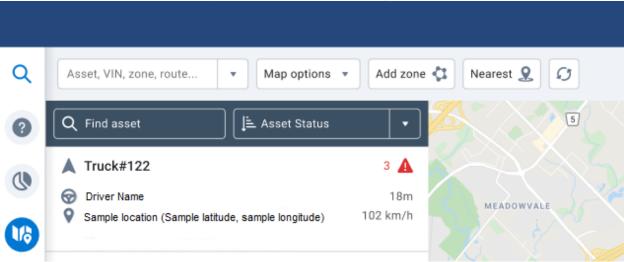


GPS coordinates displayed when an address is not available

We've made it easier to locate assets when an address is not available. Now, you can view an asset's location in the Asset panel, Asset list, and the tooltip on the **Map** based on the latitude and longitude of its location.

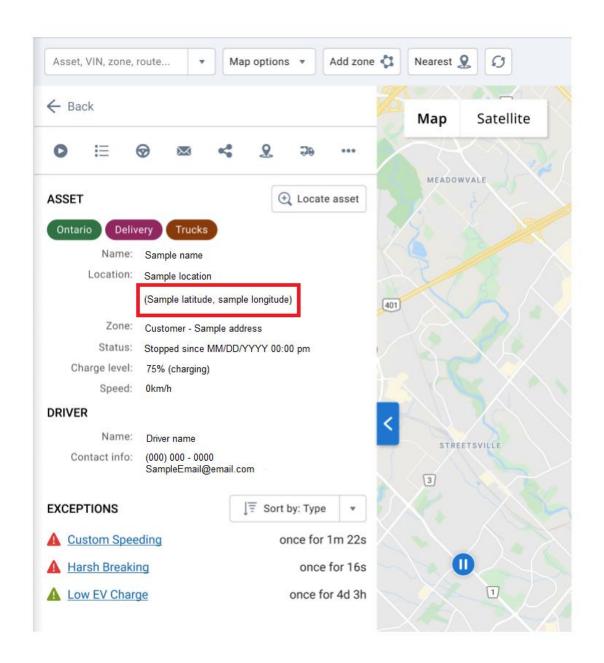


**Asset's latitude and longitude in the Asset panel** 



Asset's latitude and longitude in the Asset list





Asset's latitude and longitude in the tooltip on the Map



# **Truck#122**

Stopped since MM/DD/YYY 00:00 pm

Sample location (Sample latitude of an asset, sample logitude of an asset)

# Camera feed:

No camera available

#### **Reports**

#### New optional report header for group hierarchy

You asked, and we listened! You can now add a new optional column called **DeviceParentGroup** to the Data sheet of any custom report to get the full hierarchy of the groups associated with the device.

The **DeviceParentGroup** column is useful for building logic into your custom report to compare different branches in your organization, compare different fuel type assets, and so on.

As an example, the **DeviceParentGroup** column may also be useful in cases where a utilization report must include the Parent group before sending the report to billing departments.

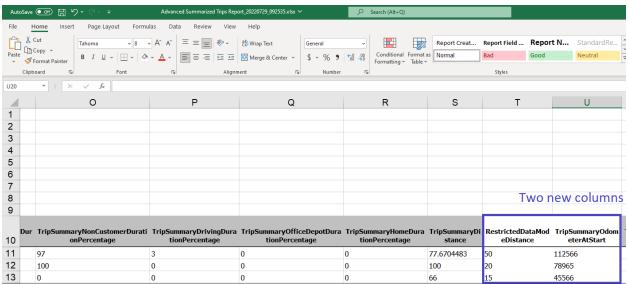
DeviceName	DeviceGroup	Deviceld	DeviceParentGroup
Sample device name	Trailer	IID	Company Group>Asset Information>Asset Type>Trailer
Sample device name	Vehicle, Gasoline Petrol, NYC	, ID	Company Group>Asset Information>Asset Type>Vehicle, Company Group>Asset Information>Powertrain And Fuel Type>Internal Combustion Engine>Gasoline Petrol, Company Group>Region>East>New York>NYC



# New optional data columns added to Trips Summary reports

We've added two new columns to the **Data** sheet of the Trips Summary reports (Standard and Advanced):

- RestrictedDataModeDistance Displays the distance traveled while the asset is in restricted data mode (Feature Preview).
- TripSummaryOdometerAtStart Displays the odometer value at the start of the trip.



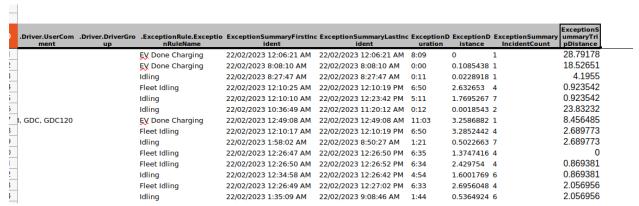
New TripDistance per Device/Driver on the Exception Summary report

We've added an optional column to the Exception Summary report (Standard and Advanced) that can also be included in custom reports: **ExceptionSummaryTripDistance**.

The **ExceptionSummaryTripDistance** column displays the total distance traveled per row of data per asset or driver.

You can now compare when or if an asset is continuously driving while breaking the same exception rule without having to create a separate rule to monitor total distance traveled by the asset.

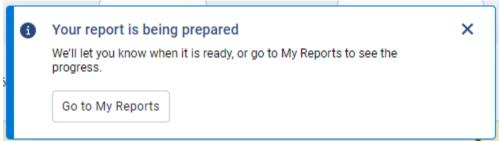




#### Download and email reports directly from the My Reports page

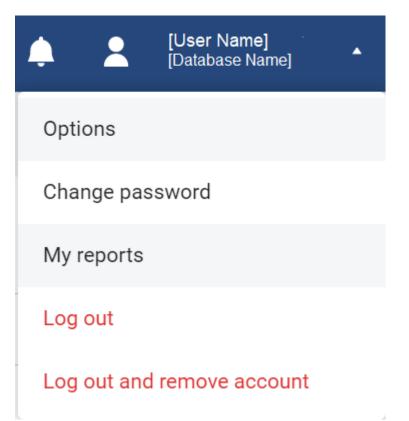
You can now download larger reports while logged in with fewer clicks! The **My Reports** page allows you to download and save reports that are too large to be emailed.

When you begin downloading a report on your database, we've added a notification to inform you of the progress of your report and another notification indicating when it is ready to download.

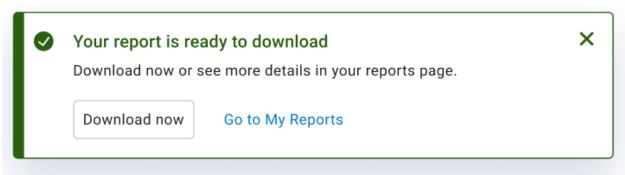


Click the **Go to My Reports** button, or click the **User options** dropdown in the top right corner of your database, then click **My reports**.





Once you receive the notification that your report is ready, click the **Download now** button.



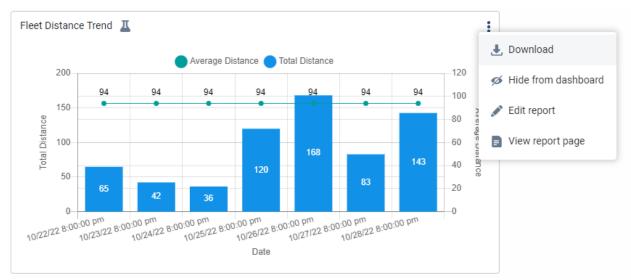
# Added new options to your Interactive charts on your dashboard

We've added the following new options to the Interactive charts on your dashboard:

 Download – Download the Interactive chart displayed on the dashboard.



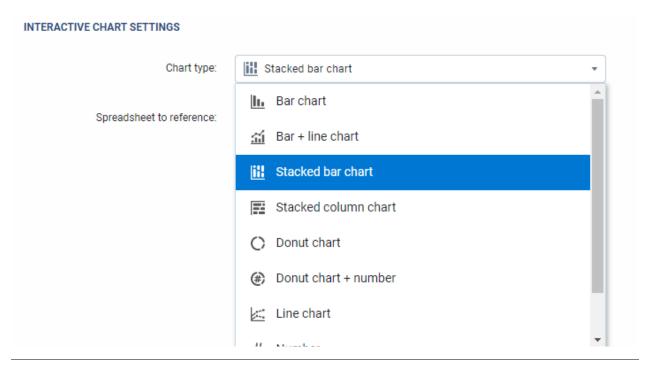
- Hide from dashboard Hide the Interactive chart displayed on the dashboard.
- Edit report Edit the report associated with the Interactive chart displayed on the dashboard.
- View report page View the report associated with the Interactive chart displayed on the dashboard.



# Added stacked bar and column charts to Interactive reports

To prevent visual overload, you now have the option to display Interactive reports as a **Stacked bar chart** and **Stacked column chart**. Access this option by navigating to the **Report Setup** page, and under the **Interactive Chart Settings**, configure the **Chart type** to display as either **Stacked bar chart**, or **Stacked column chart**.





#### **Rules**

# **Stock Idling Rule Alignment**

For consistency, the **Idling** stock rule is updated to match the conditions used for handling Trips — the asset must be stopped with ignition on for three minutes and 21 seconds.

**\* NOTE**: We do not expect any major impacts or changes in the exception behavior with the change to the **Idling** stock rule.

# **Enhanced Rule Conditions Configuration**

We're making things easier! You can now edit the condition or create custom rules for certain rule types. For this release, the option is available for the **Idling** stock rule and, by default, the **Edit Stock rules** clearance is enabled.

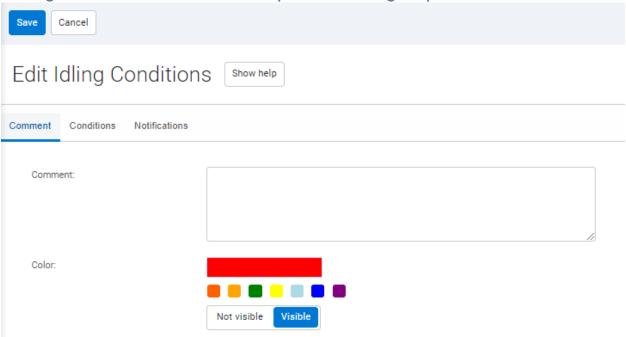
Use the **Edit** dropdown menu to **Edit conditions** or **Create custom** (**rule name**) **rule**.





The **Edit conditions** option refreshes the page to display the **Edit Idling Conditions** page. On the **Edit Idling Conditions** page, you can add a description and assign a color, and configure the settings under the **Conditions** and **Notifications** tab.

\* NOTE: When editing conditions of an existing rule, you cannot change the name of the rule or publish to a group.



The **Create custom** [rule name] rule option refreshes the page to display the **Exception Rule Edit** page. On the **Exception Rule Edit** page, you can name the rule, assign a color, and publish to groups, as well as configure the settings under the **Conditions** and **Notifications** tab.

# **Settings**

# **Default Purge settings**

For newly created databases, the default purge frequency is set to two years, and enabled for the database by default. To modify the settings,



go to the **Purge** tab on the **Administration** > **System...** > **System Settings** page.

This feature will be retroactively updated in software version 7.0, 8.0, and 9.0 for any newly created databases.

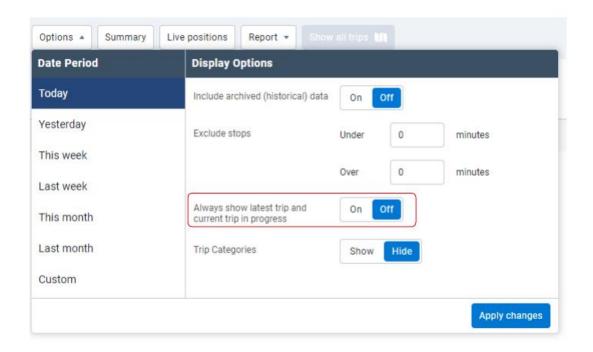
**\* NOTE**: The purge frequency settings for existing databases have not been changed.

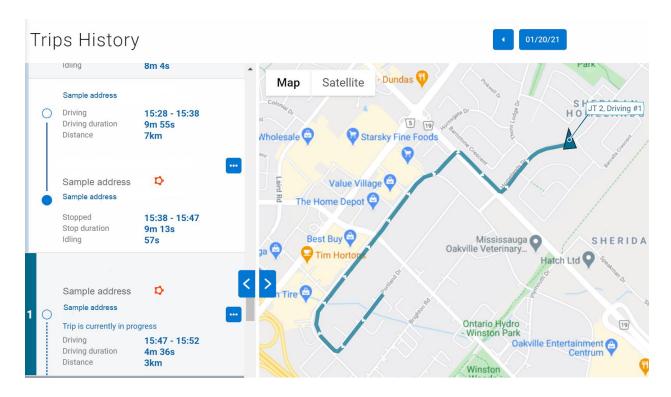
# **Trips History**

# **Current trip in progress option out of Feature Preview**

The option to Always show the latest trip and current trip in progress is now out of Feature Preview! To enable this feature, use the Options dropdown menu on the Trips History page, and configure the Date Period to Today or a Custom date starting no earlier than the current day. In the Display Options panel, enable the Always show the latest trip and current trip in progress toggle and click Apply changes.



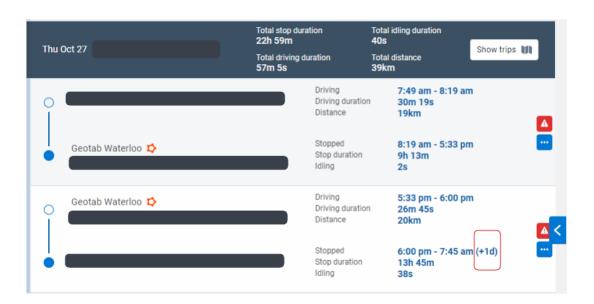






# **Improved Indication of Trips Spanning Multiple Days**

You can now see the exact time that has passed since the beginning of a trip. Previously, only the timestamps for Trips and Stops display on the **Trips History** page, which can be misleading when they span over multiple days. To indicate that a trip spans over multiple days, we've added the number of elapsed days in parentheses beside the timestamp.



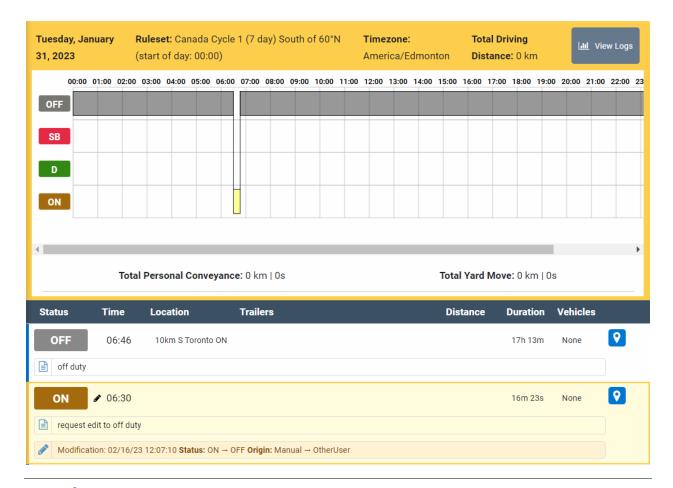
# **HOS Logs**

# **Driver's RODS on Graph Grid**

Previously, the Driver's graph in AFM displayed the requested edits before the edits were accepted by the driver. Now, only the official RODS on the Driver's record is displayed on the graph.

If there is a requested edit for the day, the graph is still outlined in yellow, and the requested edit is highlighted in yellow under the list of RODS displayed with **View Logs**.





#### **UI Enhancements**

We've added the following UI enhancements with this release:

- Updated asset card view to include option to assign driver.
- Updated asset card view to display historical driver information in italicized text.
- Removed default zone display and Default map view under the Map Settings tab on the Options page.
- Improved Audit Log page to display details when System Settings are modified.

# **AFM Add-in Updates**



#### **Drive Add-In**

- Added the following Drive App Add-Ins:
  - onStartup Add-in is executed when a driver logs in to the Drive App for the first time.
  - onShutdown Must be set to true to execute an Add-in when logging out of the Drive App.

These Add-ins execute code in the background when the application starts. Otherwise, the Add-in code only executes when it is clicked.

# **SDK Updates**

# **API Runner (SDK)**

The following improvements are added:

- Added loading spinner to indicate to users that the login request is being processed.
- Added a keypress handler for the login form that allows the cursor to move to the next field, and added functionality for an enter key press event to submit the form when inputting information in the last field.
- Fixed an error message occurring in the main .js:scrollSidebar.
- Fixed an issue that caused multiple click handlers to be added to the login button.

# SecurityIdentifier

Added the ImpersonateGpsTextMessage security identifier.
 When enabled, the security identifier does not validate the identity of the sender.



 Added the ResetPassword security identifier that allows a user to reset another user's passwords.

#### mg-api-js

We've corrected the following errors:

- Fixed UnhandledRejection exceptions.
- Improved exception messages to include the type from the JSON-RPC error.
- Fixed InvalidUserException retry authentication.
- Updated CallBackError to be invoked as the last operation in the promise field.

#### GetFeed<FuelTaxDetail>

• Fixed issues with results sorting that led to missing results.

# Nuget

- Enabled brotli compression in Nuget package API.cs requests.
- Many ObjectModel classes are marked as "sealed". Marking a class as "sealed" prevents tampering of important classes that can compromise security or impact performance.

! IMPORTANT: Updating your application to version 10.0 may not work if an ObjectModel class is inherited.

# **TextMessage**

 Added PropertySelector (Beta) support for the TextMessage type.

#### **loxAddOn**

Added PropertySelector (Beta) support for the loxAddOn type.



#### **IoxAddOnStatus**

 Added PropertySelector (Beta) support for the loxAddOnStatus type.

# **DriverChange**

 Updated the description of DriverChange DateTime to notify users that the DateTime must not be in the future when adding a DriverChange through API.

#### **DriverWhiteListContent**

- DriverWhiteListContent is replaced by **DriverAuthListContent**
- Prior to the 10.0 release, DriverWhiteListContent and DriverAuthListContent were both available to allow users to adjust to the transition.

# **Condition and ConditionType**

 Added the Group exception rule condition. This separates conditions in a single rule when different groups require different conditions.

# **Geotab Developers**

 Added a section to the Developing Add-ins page suggesting to use the generator-addin repository.

# **SDK samples**

Added JavaScript samples to refresh the user interface.

# **SDK Add-In samples**

 Added Add-In samples for the AddInData API to the Geotab/sdkaddin-samples Github repository.