

Attributes allow you to add custom, descriptive properties to your vehicles beyond the **basic vehicle information**. You can then use attributes as labels on reports and filters on maps and dashlets.

EXAMPLE

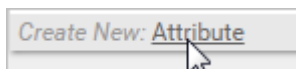
Company XYZ has a fleet of trucks used for transporting large heating/cooling equipment. Because certain truck models in the fleet have larger load capacities than others, vehicle assignment for delivery jobs depend on the weight of the shipment. By creating a “Load Capacity” attribute for his trucks, XYZ’s owner can filter maps to show only trucks that have a given load capacity-perhaps to see which one is available for an urgent delivery. Additionally, he can add the “Load Capacity” attribute to any report-perhaps to compare the number of trips between low and high load capacity trucks for a given time period.

► To create and assign vehicle attributes:

1. From the portal, hover over the **Account** menu, click **Manage Vehicles**, and click **Describe with attributes**.

The Manage Attributes page opens in a new browser tab.

1. At the bottom of the Attribute Definitions grid, click **Attribute** next to Create New.



The Add New Attribute screen window appears.

1. Set the different properties for the attribute:
 - **Attribute Name:** Enter the user-friendly identifier for the attribute (e.g., Load Capacity).
 - **Attribute Type:** Select the check box(es) for each type this attribute supports (e.g., Users, Vehicles, Drivers, Landmarks, Hierarchy). For example, an ice cream company may add a “Flavor” attribute that applies to 1) the *vehicles* that transport certain flavors and 2) the ice cream factories (*landmarks*) that produce certain flavors.
 - **Value Type:** Choose the data type that is allowed for this attribute. In the Company XYZ example, we chose Alphanumeric so that we can use free-form text to describe the available values (1000 lb, 2000 lb, 3000 lb).



Note. The Alerts, Emails, and Timezone types are typically used with **Hierarchy attributes**.


- **Treat as Category:** Select this box to create a list of values from which to choose when applying this attribute to vehicles and using it as a filter on maps. In the Company XYZ example, the trucks

have only three options for load capacity, so we set up this attribute as a category.
The following figures show the result of setting up an attribute compared with an attribute treated as a category (a pre-defined list of values) when assigning it to a vehicle:

| Vehicle | Loading Capacity |
|--------------------------|------------------|
| | |
| Adam 3900iVB | |
| G Camry (Goldman, Linda) | |

VS

| Vehicle | Loading Capacity |
|--------------------------|---|
| | <input type="radio"/> 1000lb <input type="radio"/> 2000lb <input type="radio"/> 3000lb <input checked="" type="radio"/> not set |
| Adam 3900iVB | <input type="radio"/> 1000lb <input type="radio"/> 2000lb <input type="radio"/> 3000lb <input checked="" type="radio"/> not set |
| G Camry (Goldman, Linda) | <input type="radio"/> 1000lb <input type="radio"/> 2000lb <input type="radio"/> 3000lb <input checked="" type="radio"/> not set |



Note. Using a pre-defined list makes it less likely for typos or other errors when adding an attribute to a query.

- **Account Visibility:** Select the check box(es) if you want other portal users on your account to see and use this attribute and/or edit this attribute.

1. Click **Save Attribute**.

Information on Attribute

Attribute Name

Load Capacity

Attribute Type

What kinds of things does this attribute describe?

☐ Users ☒ Vehicles ☐ Drivers
☐ Landmarks ☐ Hierarchy

Value Type

What type of data will be used to describe things?

☐ Alerts Emails or text numbers
☒ Alphanumeric Words or sentences
☐ Date Date only
☐ Date+time Specific date and time
☐ Decimal Decimal numbers
☐ Emails One or more emails
☐ Integer Whole numbers
☐ Timezone Timezone only

Treat as Category

Enter each pre-set value separated with commas.

1000lb, 2000lb, 3000lb

☐ Allow multiple selections from this list

Account Visibility

☐ Allow other users to see / use
☐ Allow other users to edit

Save Attribute

1. From the Attribute Definitions grid, click the green check mark icon (e.g., Vehicle) to assign values.

| | | | | | | | | |
|------------------|---|---|---|---|---|--------------|--|--|
| Loading Capacity | ✗ | ✓ | ✗ | ✗ | ✗ | alphanumeric | | |
| Location | ✗ | ✓ | ✗ | ✗ | ✗ | alphanumeric | | |

1. From the Assign Vehicle Attributes grid, set the attribute value for each vehicle that you want to assign. Values are automatically saved when you either make a selection (for pre-defined lists) or click/tab outside of the field (for text entry).

Assign Vehicle Attributes: Loading Capacity

Assign values (alphanumeric) to vehicles for the Loading Capacity attribute.

Fuel Card: ☐

Garmin: ☐

Vehicle Group: - ALL GROUPS -

Search: flatbed * for wildcard

filter

| Vehicle | Loading Capacity |
|---|---|
| FLATBED-31 (Lisson, Kristin) | <input type="radio"/> 1000lb <input type="radio"/> 2000lb <input checked="" type="radio"/> 3000lb <input type="radio"/> not set |
| Download: Excel , CSV | |
| Enter values for each Vehicle in the 'Loading Capacity' column. | |

The attribute is now available to use on applicable reports, maps, and dashlets:

Selected Vehicle: FLATBED-31

Wednesday, February 10, 2016

| W Time | Driver | Ignition | Min Speed | Avg Speed | Max Speed |
|------------|-----------------|----------|-----------|-----------|-----------|
| 5:15:31 AM | Larson, Kristin | | Enough | Enough | Enough |
| 5:15:31 AM | Larson, Kristin | | Enough | Enough | Enough |
| 7:00:56 AM | Larson, Kristin | On | Enough | Enough | Enough |

Loading Capacity

3000lb

3000lb

3000lb

Closest To

Select Group: ALL VEHICLES

Search Proximity: 25 Miles

Attributes: Loading Capacity

Select one or more as Loading Capacity:

☐ 1000lb

☐ 2000lb

☒ 3000lb

Add

Cancel

Closest To:

Address - Vehicle - Landmark - Lat, Lon

Address:

☐ Add pin to map

☐ Old Routing Engine

Get Closest Vehicle

Clear Results