# Operator's Manual

AXIS™
SMART TRUCK TECHNOLOGY

PROPRIETARY & CONFIDENTIAL | © REV FIRE GROUP

REVISION DATE 12/12/19

# Contents

General Information ..... 3
Purpose of This Document ..... 3
AXIS Smart Truck Technology Overview ..... 3
Hardware ..... 4
Logging Into the AXIS Website ..... 5
Main Page – Truck Locator ..... 5
Vehicles List Page ..... 5
Specific Vehicle Page ..... 6
Documents Page ..... 7
Contact Information ..... 9
Data Sampling Rates and Data Transmission Rates ..... 10
Administration of the System ..... 11
Organization Creation (Admins only) ..... 11
User Account Creation (Admins only) ..... 12
Vehicle Creation / Onboarding (Admins only) ..... 15
Setting up Alerts (Admins only) ..... 16
Active Diagnostic Trouble Code Alerts ..... 16
User Defined Alerts ..... 19
Alert Definitions ..... 19
Alert Group Creation ..... 19
Alert Creation ..... 21
Alert Notification Group Creation ..... 24
Over the Air Updates (Admins only) ..... 28

# General Information

## Purpose of This Document

This is an operator's manual for using and administrating the AXIS Smart Truck Technology website.

## AXIS Smart Truck Technology Overview

The AXIS™ Smart Truck Technology is designed specifically for the fire service to help your department:

1. **Improve Uptime** - Provides maximum in-service time for your fire apparatus and rescue vehicle fleet and minimizes unscheduled repairs.
2. **Assess Vehicle Health** - Beyond conventional fleet management or telemetry systems, AXIS™ Smart Truck Technology reports the real time status of the chassis, critical multiplexing systems, and relevant water flow components.
3. **Inform in Real-Time** - Communicate to designated personnel with trouble code reporting 24-hours a day / 7-days a week. Truck down condition indicator is available for priority response from the dealership and manufacturer to initiate necessary service.
4. **Troubleshoot and Support** - Remote diagnostics are accessible by local service personnel, dealership and manufacturer. Secure over-the-air programming updates can be provided to individual components.
5. **Remote User Interface** - AXIS Smart Truck Technology features a secure web-based user interface that can be accessed by computers, tablets or cell phones.
6. **Access Truck Documentation** - Truck specific information including schematics, multiplex IO sheets and more can be accessed via convenient secure cloud storage.
7. **Cellular Based** - AXIS Smart Truck Technology utilizes cellular networks for superior coverage then WiFi based networks.

With the correct credentials, the AXIS system can be accessed at www.axis-smart-truck.com. The website has multiple pages accessible from the tabs along the left side of the main page. The Locator tab takes the user to a map showing the locations the vehicles to the user's organization. The Vehicles tab takes the user to a list of vehicles that are associated to the organization(s) that the user belongs to. The Documents tab takes the user to a list of documents that are accessible by that user's organization(s). Additional details regarding each page are provided below.

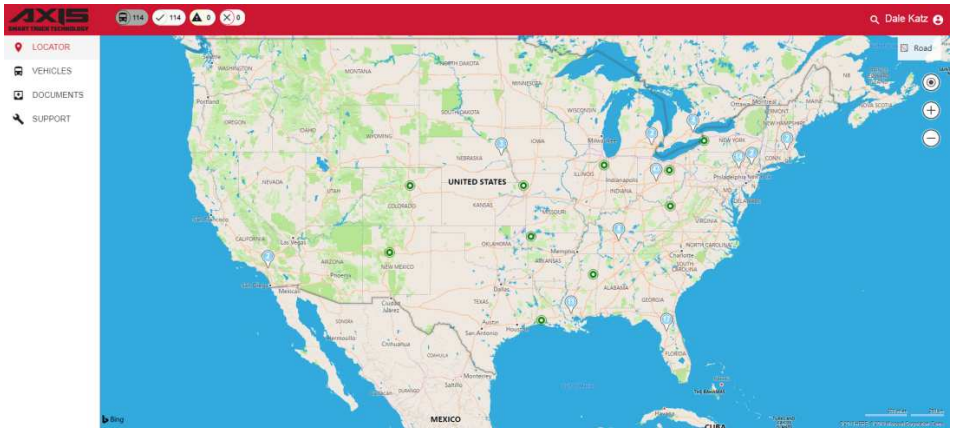



*Figure 1: AXIS Main Page*

## Hardware

A gateway box is installed on all vehicles that include AXIS Smart Truck Technology. The gateway has an internal cellular modem for connecting to the internet, (5) CAN ports for connecting to vehicle networks, an Ethernet port, Deutsch connectors for connecting to J1939 and OBD2 networks, and an internal GPS processor. The gateway can be connected to a user supplied cellular modem via Ethernet.

*Figure 2: Gateway*

There is a low-profile roof-mounted dual-purpose cellular/GPS antenna.

*Figure 3: Low Profile Roof Antenna*

Alternatively, there could be a dash mounted antenna for aftermarket installations.

*Figure 4: Optional Dash Mounted Antenna*

The gateway box is installed in the cab, typically inside the dash. The gateway box connects to the vehicle's existing J1939 CAN bus, the multiplex system and other subsystems.

## Logging Into the AXIS Website

Dealer and Customer administrators have been preloaded by the OEM administrator. Administrators will receive an email from Microsoft to securely activate their accounts. Once activated, the administrator can access the site at www.axis-smart-truck.com. Existing administrators can add users to their organizations. When users are added they will receive an email from Microsoft to securely activate their account.

## Main Page – Truck Locator

When logging into the system, the main page that comes up includes a map, zoomed in to include all the trucks associated to the organization(s) that the user belongs to. The map view can be changed from "Road" view to "Aerial", "Bird's Eye", or "Streetside" by clicking on the small icon at the upper right corner of the map.

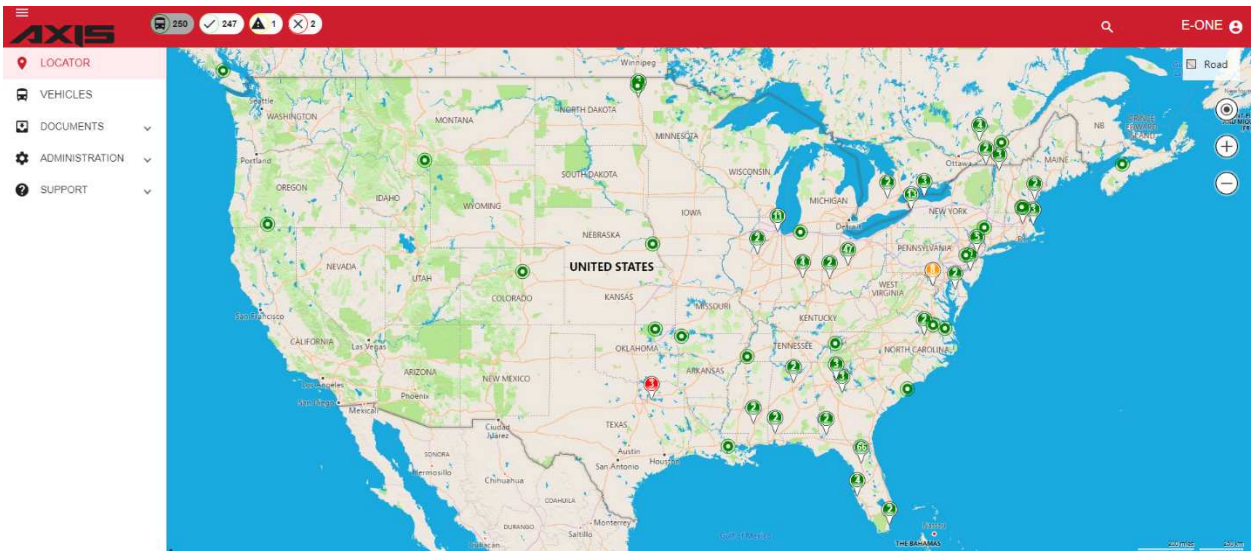



*Figure 5: Main AXIS Page*

On the map, trucks are designated by a either a dot or number. A number represents a collection of trucks in close proximity. As the user zooms into a number, individual dots will appear. The dots can be one of three colors, representing the following status:

1. Green – no problems detected
2. Amber – there are open user defined alerts
3. Red – truck down

Clicking on a dot will take you to the associated truck's specific vehicle page.

Across the top of the Locator page is a status bar providing a count of trucks in each state.

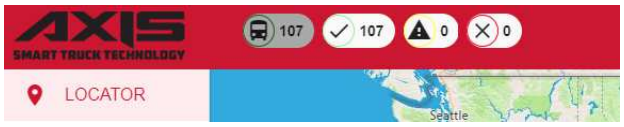



*Figure 6: Main Page - Status Bar*

## Vehicles List Page

The vehicles list page is accessible from the Vehicles tab. On the vehicles list page the user can:

- Click on any line in the list to go to that specific vehicle's page.
- Edit an existing vehicle by clicking the edit pencil .
- View or add documents to a vehicle .
- Delete a vehicle .

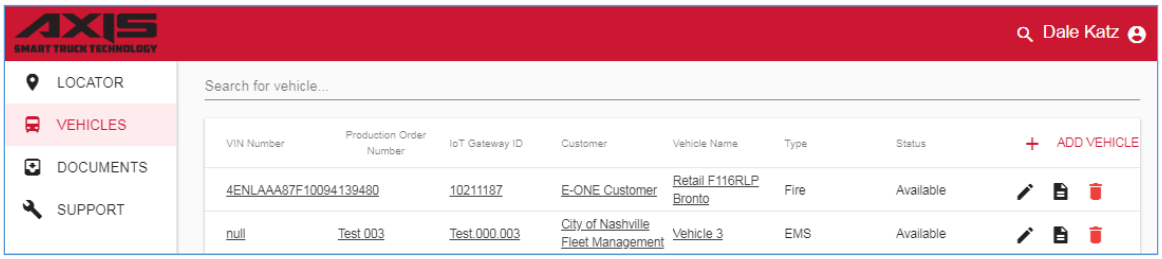



*Figure 7: Vehicle List Page*

## Specific Vehicle Page

There are multiple ways to access a specific vehicle page. As shown above, the user can click on a specific line in the vehicle list. The user can also type information related to the vehicle in the "Search for vehicle…" field found at the top of most pages.

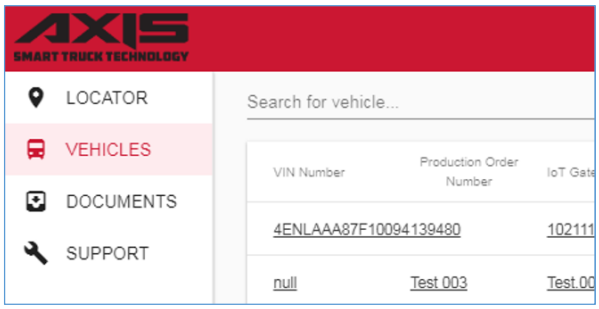



*Figure 8: "Search for vehicle" Field*

Clicking on the available magnifying glass, typically at the top right corner of the web page, will also enable a search field.

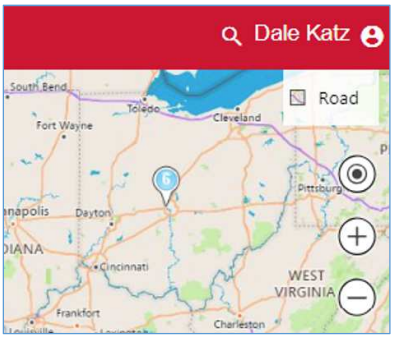



*Figure 9: Magnifying Glass Icon for Searching*

The specific vehicle page contains cards related to the various subsystems on the vehicle. The page also includes other information related to both the vehicle and its related organizations. Some of the items on the page can only be seen by administrators.

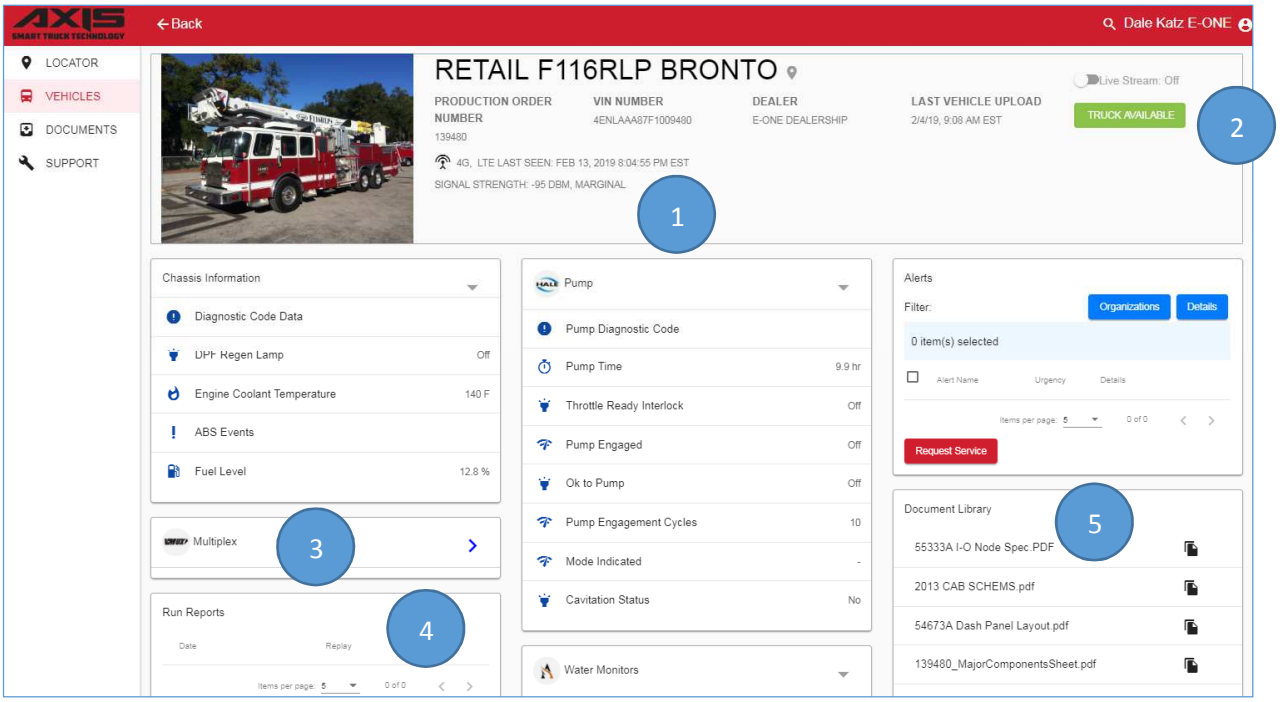



*Figure 10: Specific Vehicle Page*

| Item # | Description |
|---|---|
| 1 | Wireless signal strength |
| 2 | Live streaming switch & button requesting support (admins only) |
| 3 | Takes you to the multiplex page |
| 4 | Run reports listing last 30 days of run reports. IDEX can historical logs. |
| 5 | Documents storage |

## Documents Page

The documents page is accessible by clicking on the documents tab. This view shows all documents associated with the user's organization(s). The user can see which truck a document is associated to by clicking the edit icon . The documents can be downloaded by clicking the download button .

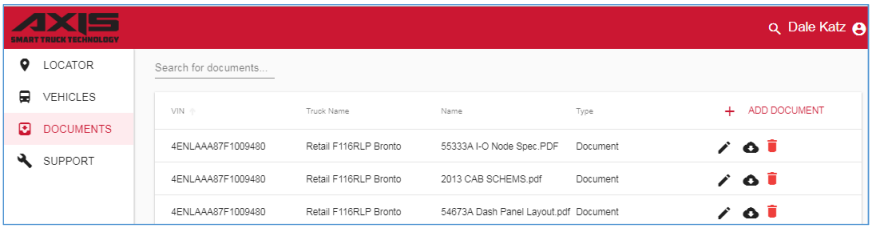



*Figure 11: Documents Page*

The easiest way to see all documents related to a specific truck is to go to the Specific Vehicle Page for that truck and view the document library card.

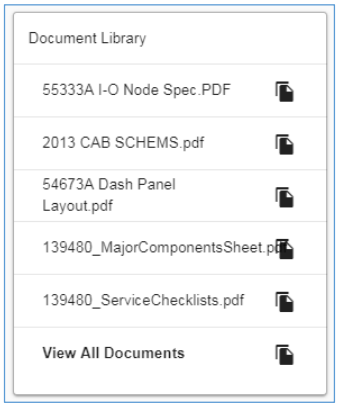



*Figure 12: Documents Card on a Specific Truck Page*

Documents for a specific truck are also accessible by clicking on the documents icon on the vehicle list page.

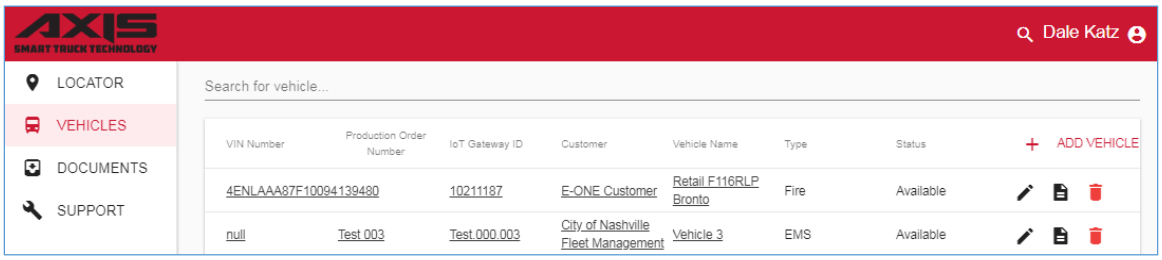



*Figure 13: Vehicle List Page - Documents*

Documents can be added to the system one of two ways. They can be added directly to the main documents list page (click the Documents tab on the left side of the page), or they can be added through the vehicle list page as described in the Vehicle List Page section of this document. Each document must be associated to a specific truck in the user's organization, and only one organization can be associated to a document. Currently, the system does not allow the sharing of a document across multiple vehicles.

## Contact Information

Contact information for the dealer and OEM associated to a vehicle can be found on cards on the specific vehicle page. See the Organization Creation section of this work instruction for details on how to maintain contact information.

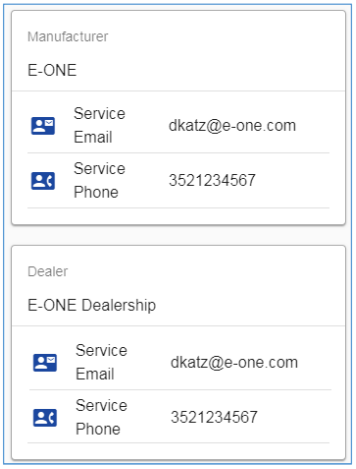



*Figure 14: Contact Information Cards*

## Data Sampling Rates and Data Transmission Rates

With an internet connection, either via cellular or an external gateway, data groups are uploaded from the AXIS gateway to the cloud every 10 seconds by default or every two seconds if the AXIS module is put into Live Mode. The data upload rate is different than the data sampling rate. The data is sampled more frequently, collected then uploaded at the upload rate. By default, the AXIS gateway takes samples of the following parameters at the given rates:

*Table 1: Data Sampling Rates*

| NETWORK | PID | PARAMETER | SAMPLE RATE (sec) |
|---|---|---|---|
| Chassis | 0 | Diagnostic Trouble Code | ON RECEIPT |
| | 1761 | DEF Tank Level | 1 |
| | 247 | Engine Total Hours of Operation | 5 |
| | 110 | Engine Coolant Temperature | 1 |
| | 175 | Engine Oil Temperature | 1 |
| | 168 | Battery Voltage | 1 |
| | 190 | Engine Speed | 1 |
| | 245 | Total Vehicle Distance | 5 |
| | 91 | Throttle Percent | 1 |
| | 563 | ABS Active | ON CHANGE |
| | 108 | Barometric Pressure | 1 |
| | 100 | Engine Oil Pressure | 1 |
| | 96 | Fuel Level | 8 |
| | 84 | Wheel-based Vehicle Speed | 1 |
| | 235 | Engine Total Idle Hours | 10 |
| | 7825 | Fire Pump Engagement Hours | 5 |
| | 7826 | Fire Pump Engagement Cycles | 5 |
| | 177 | Transmission Oil Temperature | 1 |
| Akron Brass Valves | 520001 | Valve Position | 1 |
| | 520002 | Valve Pressure | 1 |
| | 520003 | Valve Flow | 1 |
| | 520004 | Valve in Motion | ON CHANGE |
| | 520005 | Valve CAF Output Status | ON CHANGE |
| | 520006 | Valve Position Sensor Status | ON CHANGE |
| | 520007 | Valve Pressure Sensor Status | ON CHANGE |
| | 520008 | Valve Flow Sensor Status | ON CHANGE |
| GPS | 524286 | Geographic Position | 1 |

# Administration of the System

The administration of the system is done through the main website www.axis-smart-truck.com. Most of the functionality below can only be accessed by an administrator.

## Organization Creation (Admins only)

The AXIS system is set up with a hierarchy of organizations including the customer (fire department), the dealer, and the OEM. Starting at the fire department level, users associated to the fire department can only see vehicles that have been associated to that fire department. Users cannot see vehicles that are not part of their organization.

Going up one level in the organizational structure from fire departments to dealers, users that belong to a dealer organization can see trucks associated to any fire departments that are related to that dealership.

Going up another level, users that belong to an OEM organization can see all dealerships associated to that OEM and all trucks associated to any fire departments that are part of those dealerships.

For every organization in the system, there are administrator level privileges and user privileges.

To add an Organization:

1. From the main page, select ADMINISTRATION→ORGANIZATION→MANAGEMENT

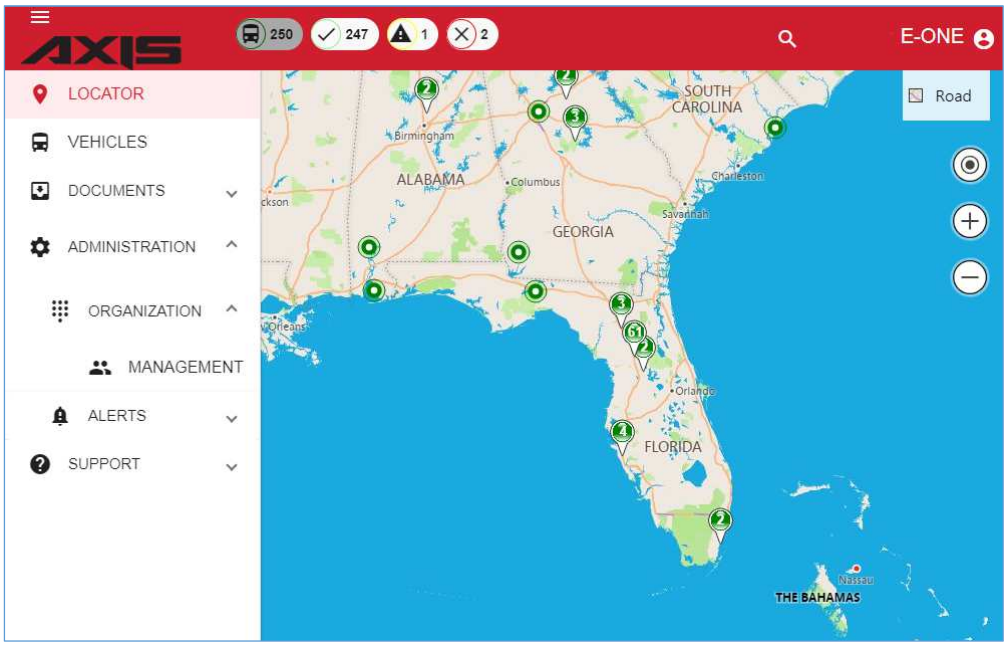



*Figure 15: Accessing Organization Maintenance*

2. Select + ADD ORGANIZATION

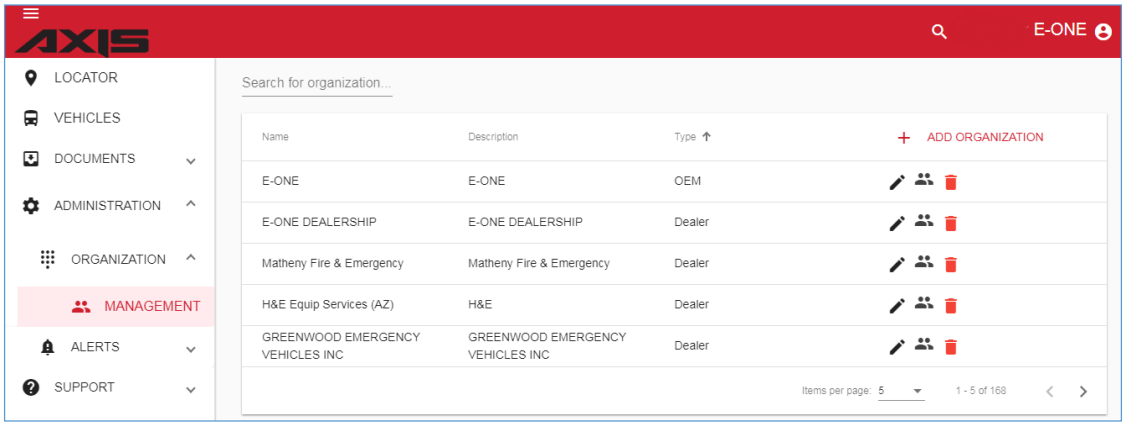



*Figure 16: Organization Maintenance*

3. Enter the organization information. Email alerts will go out to the contact person's email address. An organization must exist in the system prior adding users or vehicles. Users are added to organizations. Vehicles are associated to organizations at time of onboarding a vehicle to the AXIS website.
4. Important note: For now, a fire department can only be related to one dealership and a dealership can only be related to one OEM. If a dealership is related to two OEMs then two dealership organizations must be created, one for each OEM. The same goes for customers.
5. Important note: The Organization Name must be a unique value for names in the system. Likewise, the Organization Description must be unique to Descriptions in the system. Upon saving you will get a "Cannot create organization" message if the either the Name or Description exists.

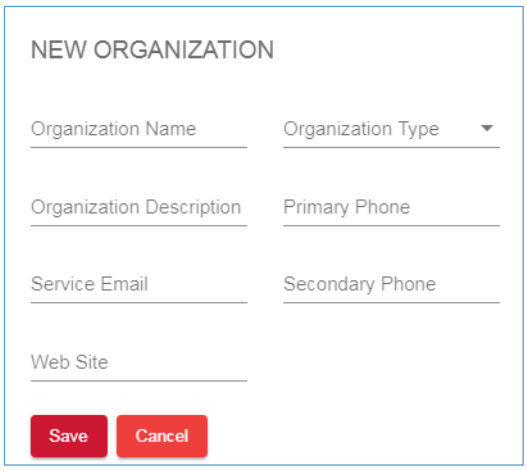



*Figure 17: Organization Maintenance and Contact Info Form*

## User Account Creation (Admins only)

1. For every organization there are two types of users (roles). There are administrators and basic users. Basic users have limited functionality. The user's organization must first be in the system.

   IMPORTANT: Carefully consider who is being authorized as an administrator. The administrator role has the ability to add users including other administrators. Administrators also have the ability to modify information at the website and push over the air updates.

*Table 2: OEM User Privileges Matrix*

| ***OEM*** User Privileges Matrix | | |
|---|---|---|
| Component/Function | Administrator | User |
| View website | Yes | Yes |
| Add users | Yes | No |
| Delete users | No | No |
| Add organizations | Yes | No |
| Delete organizations | No | No |
| Apply over the air updates | Yes | No |
| Define alerts | Yes | No |
| Push over the air updates | Yes | No |
| Request service | Yes | No |
| Trigger truck down | Yes | No |

*Table 3: Dealer User Privileges Matrix*

| ***Dealer*** User Privileges Matrix | | |
|---|---|---|
| Component/Function | Administrator | User |
| View website | Yes | Yes |
| Add users | Yes | No |
| Delete users | No | No |
| Add organizations | No | No |
| Delete organizations | No | No |
| Apply over the air updates | Yes | No |
| Define alerts | Yes | No |
| Push over the air updates | Yes | No |
| Request service | Yes | No |
| Trigger truck down | Yes | No |

*Table 4: Customer User Privileges Matrix*

| ***Customer*** User Privileges Matrix | | |
|---|---|---|
| Component/Function | Administrator | User |
| View website | Yes | Yes |
| Add users | Yes | No |
| Delete users | No | No |
| Add organizations | No | No |
| Delete organizations | No | No |
| Apply over the air updates | Yes | No |
| Define alerts | Yes | No |
| Push over the air updates | Yes | No |
| Request service | Yes | No |
| Trigger truck down | Yes | No |

1. From the main page, select ADMINISTRATION→ORGANIZATION→MANAGEMENT

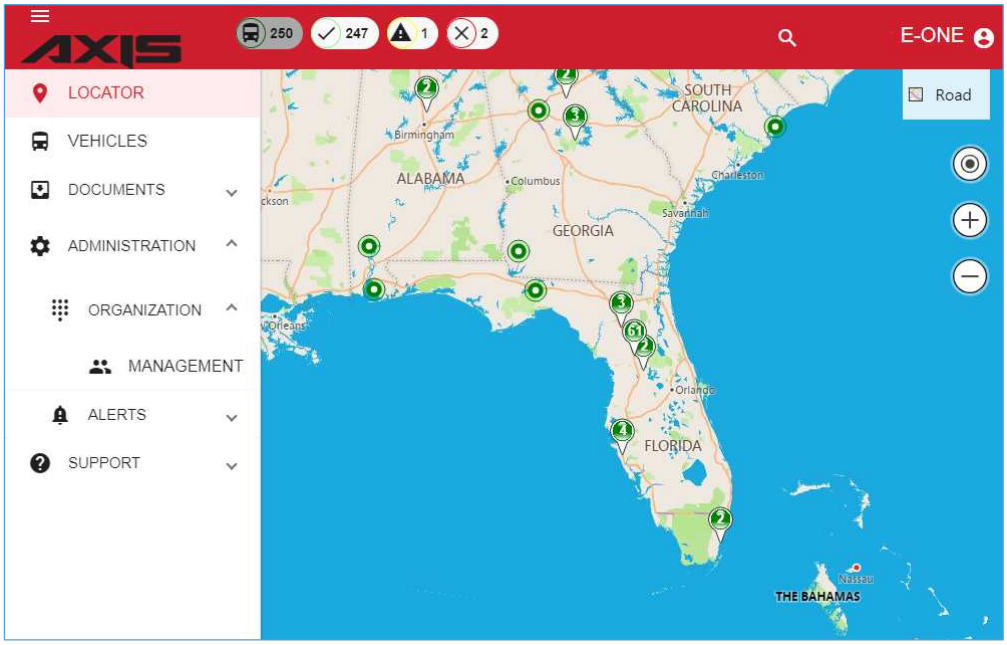



*Figure 19: Accessing Organization Maintenance*

2. Then click on the users icon for the organization that the user is being added to. If the organization is not available to be selected, then either it does not exist, or the administrator is not part of the organization. To create the organization, see the Organization Creation section of this instruction. If needed, have the administrator of the organization you want to see add you to that organization.

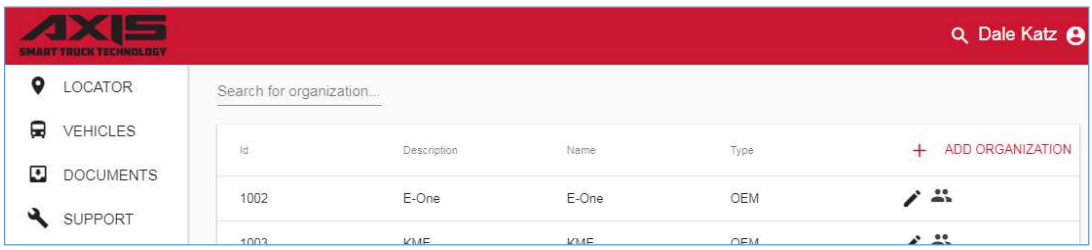



*Figure 20: Organization Page*

3. Click the Add User button:

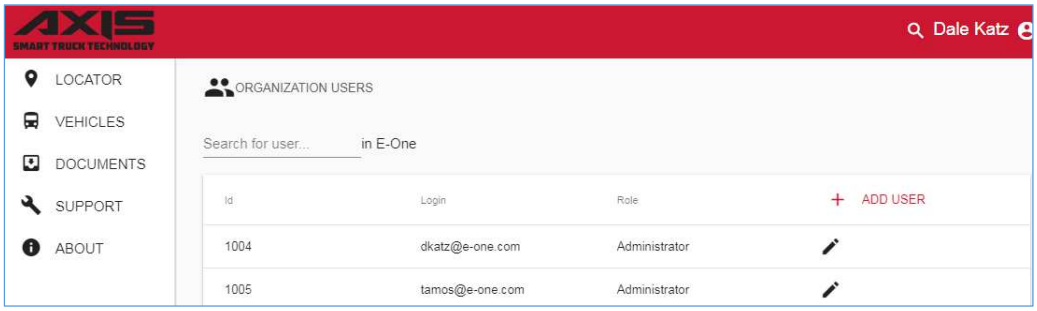



*Figure 21: Organization Users Page*

4. Enter the user's email address into the User Login field, and their first name, last name, and role.

   IMPORTANT: Carefully consider who is being authorized as an administrator. The administrator role has the ability to add users including other administrators. Administrators also have the ability to modify information at the website and push over the air updates.

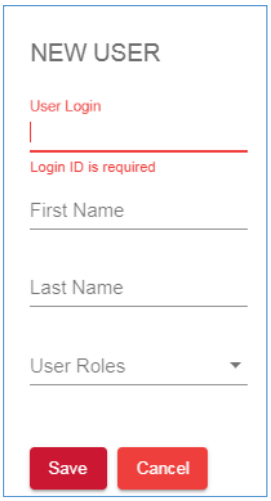



*Figure 22: New User Form*

5. An email from Microsoft will go out to the user requesting them to sign in for the first time. Upon signing in for the first time, they will receive a data usage agreement that they must accept to get access to the system.

## Vehicle Creation / Onboarding (Admins only)

1. First ensure that the vehicle's Dealer organization and Customer (fire department) organization exist in the system. They will be associated to the truck in the following steps. If the organization does not exist in the system, contact the Contract Administrator.

2. Go to the VEHICLES tab and type in the IoT Gateway ID (serial number on gateway box) to filter for box you are onboarding. Click on the edit pencil to open the edit vehicle form.

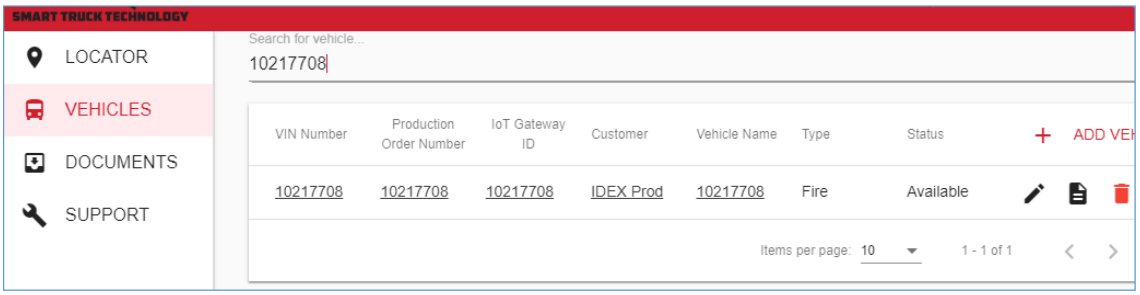



*Figure 23: Vehicle List - Edit Vehicle*

3. Fill out the New Vehicle creation form fields. The Gateway ID Number is the same as the Serial Number of the Gateway and can be found on a label affixed to the Gateway box. If a Dealer or Customer is not in the pull down lists in the form below, the organization needs to be added to the system. See the Organization Creation section. After the missing organization is created, the user can select it from its associated pulldown list.

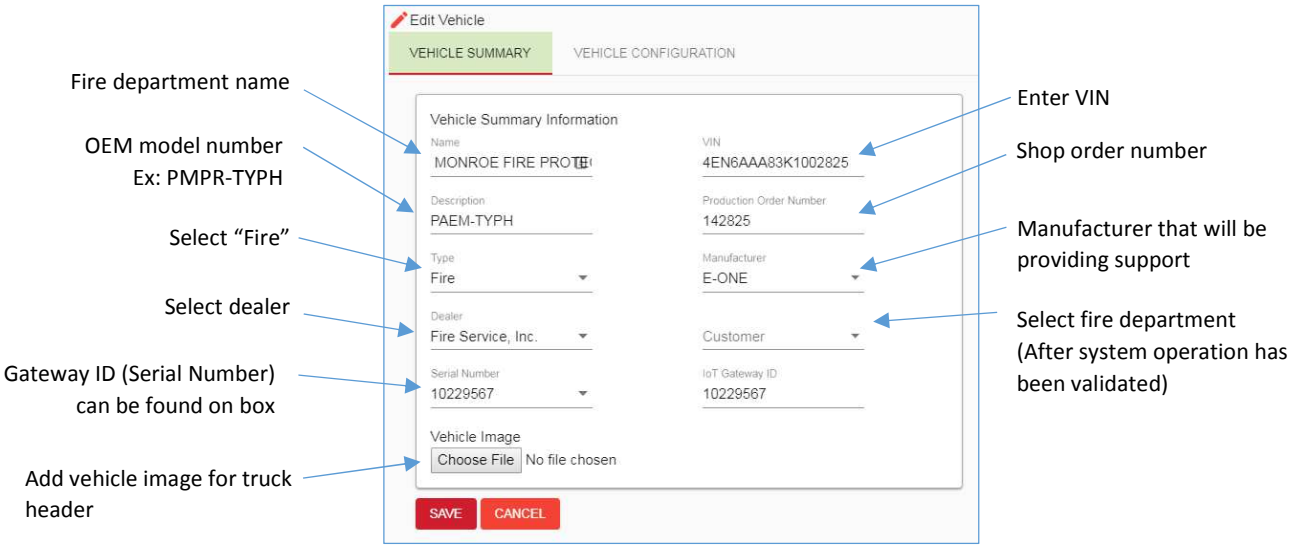



*Figure 24: Edit Vehicle Form (Summary)*

4. On the Vehicle Configuration tab, select the cards that you want to display on the main truck page.

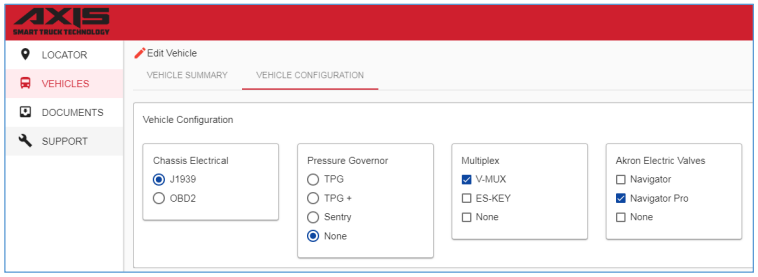



*Figure 25: Edit Vehicle Form (Configuration)*

## Setting up Alerts (Admins only)

There are two types of alerts in the AXIS system:

1. Alerts triggered by broadcast active diagnostic trouble codes (DTCs)
2. User defined alerts

### Active Diagnostic Trouble Code Alerts

SAE J1939-73 diagnostic trouble codes are recorded by the gateway and can come from multiple vehicle networks. Engine DTCs typically trigger the check engine light to come on. These DTCs drive alerts that show up on the truck specific page on cards that correspond to the networks that generated the alerts. When there is an active alert, an alert button shows up on its associated card. Clicking on the button reveals what drove the alert.

The user can create email notifications which are triggered by these alerts. See the User Defined Alerts section below for more details on triggering emails based on DTCs.

DTCs are composed of three components: a Source Address (SA), a Suspect Parameter Number (SPN), and a Failure Mode Identifier (FMI). This information can be used to help troubleshoot a problem on the vehicle.

Here is an example of a DTC alert on the engine card showing an SPN of 96, and FMI of 9.

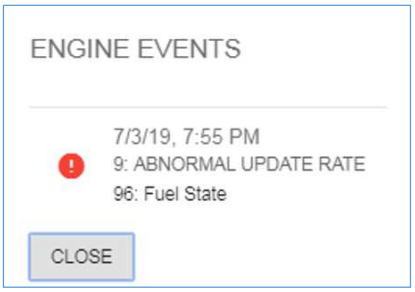



*Figure 26: DTC Alert*

Here are some typical SA, SPN and FMI codes. Reference SAE J1939-73.

*Table 5: Common SAE J1939 Source Addresses*

| SA | DEVICE TYPE |
|---|---|
| 0 | Engine #1 |
| 1 | Engine #2 |
| 2 | Turbocharger |
| 3 | Transmission #1 |
| 4 | Transmission #2 |
| 7 | Power Take-off (Main or Rear) |
| 11 | Brakes – System Controller (ABS) |
| 15 | Retarder – Engine |
| 16 | Retarder – Driveline |
| 17 | Cruise Control |
| 18 | Fuel System |
| 23 | Instrument Cluster |
| 57 | Water Pump Controller (Pressure Governor) |
| 85 | Diesel Particulate Filter Controller |
| 250 | Off-board Diagnostic Service Tool #2 |
| 253 | Reserved for OEM |
| 254 | NULL address |
| 255 | GLOBAL (all/any node) |

*Table 6: Common SAE J1939 Suspect Parameter Numbers*

| SPN | DESCRIPTION |
|---|---|
| 1761 | Catalyst Tank Level |
| 110 | Engine Coolant Temperature |
| 175 | Engine Oil Temperature 1 |
| 168 | Battery Potential/Power Input 1 |
| 100 | Engine Oil Pressure |
| 96 | Fuel Level |
| 177 | Transmission Oil Temperature |
| 7814 | Fire Apparatus Water Tank Sensor |
| 7815 | Fire Pump Discharge Pressure Sensor |
| 7816 | Fire Pump Intake Pressure Sensor |
| 18 | Fuel System |

*Table 7: Common SAE J1939 Failure Mode Identifiers*

| FMI | DEFINITION |
|---|---|
| 0 | Data Valid but Above Normal Operational Range – Most Severe Level |
| 1 | Data Valid but Below Normal Operational Range – Most Severe Level |
| 2 | Data Erratic, Intermittent, or Incorrect |
| 3 | Voltage Above Normal or Shorted to High Source |
| 4 | Voltage Below Normal or Shorted to Low Source |
| 5 | Current Below Normal or Open Circuit |
| 6 | Current Above Normal or Grounded Circuit |
| 7 | Mechanical System Not Responding or Out of Adjustment |
| 8 | Abnormal Frequency, Pulse Width, or Period |
| 9 | Abnormal Update Rate |
| 10 | Abnormal Rate of Change |
| 11 | Root Cause Unknown |
| 12 | Bad Intelligent Device or Component |
| 13 | Out of Calibration |
| 14 | Special Instructions |
| 15 | Data Valid but Above Normal Operating Range – Least Severe Level |
| 16 | Data Valid but Above Normal Operating Range – Moderately Severe Level |
| 17 | Data Valid but Below Normal Operating Range – Least Severe Level |
| 18 | Data Valid but Below Normal Operating Range – Moderately Severe Level |
| 19 | Received Network Data in Error |

## User Defined Alerts

Email notification alerts can be set up to have the system send notifications to users when user defined conditions are met. This section includes Alert creation, Alert Group creation, and Alert Notification Group creation.

## Alert Definitions

An ***Alert*** is a trigger that is set up to send out an email notification whenever a particular condition is picked up by the AXIS system. Examples of configurable conditions: specific engine codes, warnings, and ranges of sensor values.

An ***Alert Group*** does two things. First, it allows multiple vehicles to be grouped together so that an Alert can be applied to a group of vehicles. Second, it allows the user to associate one or more vehicles to Alert Notification Groups.

***Alert Notification Groups*** allow the user to assign multiple users to alerts.

Once the alert relationships are established, anytime a related alert is triggered on a truck that is part of the alert group, it will send an email to the users that are associated to the group.

Here is a diagram that shows the relationship between trucks, users, and alerts.

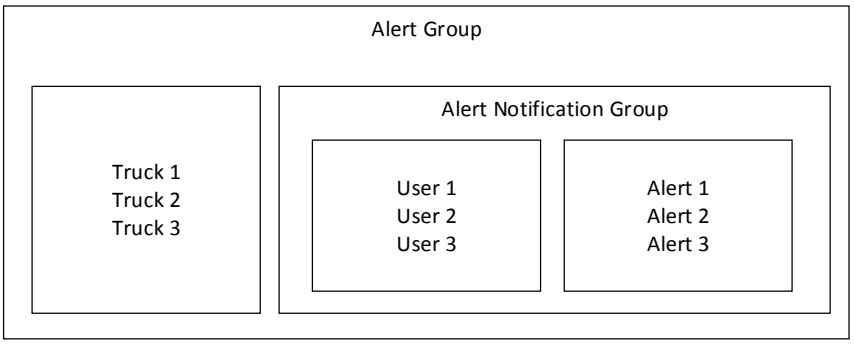



*Figure 27: Alert Group Block Diagram*

## Alert Group Creation

1. From the main page, select ADMINISTRATION→ALERTS→GROUPS:

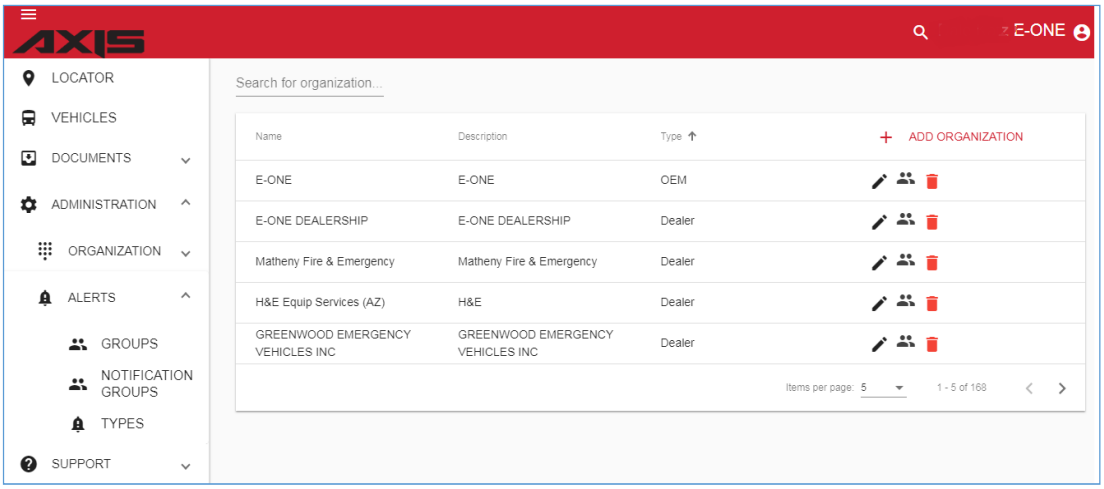



*Figure 28: Main AXIS Page with Link to Administration*

2. Click “ADD ALERT GROUP”

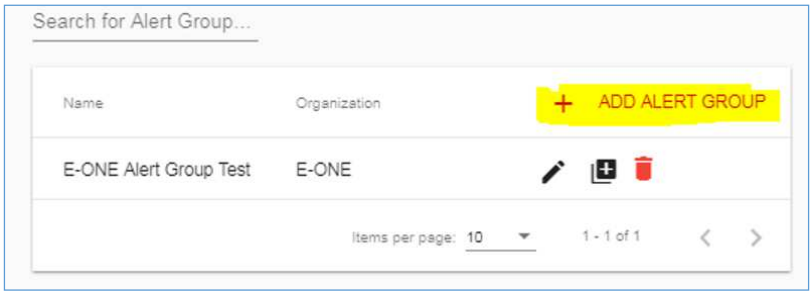



*Figure 30: Alert Group List*

3. Enter a Name for the Alert Group and select the Organization you wish to assign this Group to. The in the left column of “Available Vehicles” check the boxes of the vehicles you would like to assign to this group. Move the selections to the “Selected Vehicles” column.

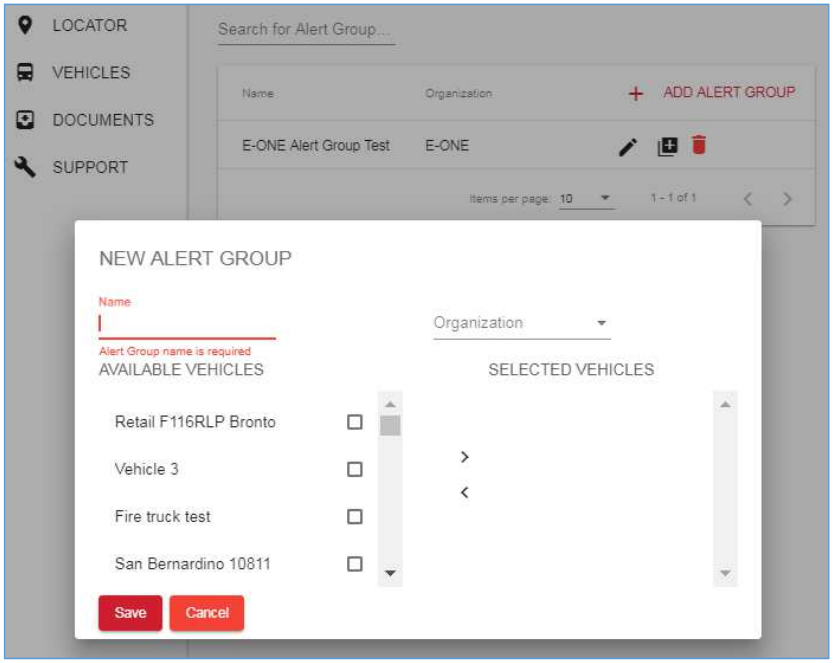



*Figure 31: New Alert Group Form*

4. Your Group will now appear at the bottom of the list of Alert Groups. You may have to advance the page if this addition causes you to exceed the Items per page size.

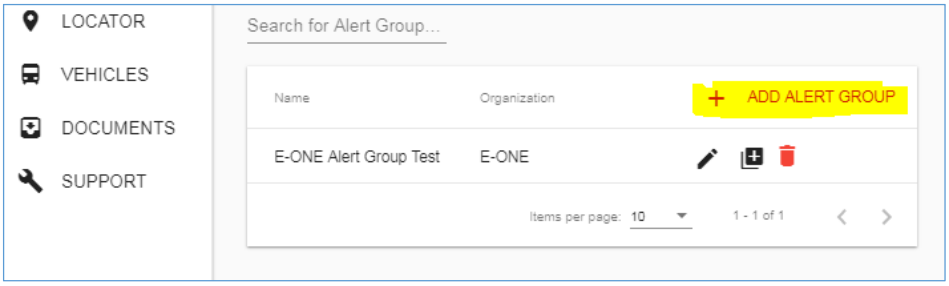



*Figure 32: Alert Group List*

## Alert Creation

1. From the main page, select ADMINISTRATION→ALERTS→TYPES:

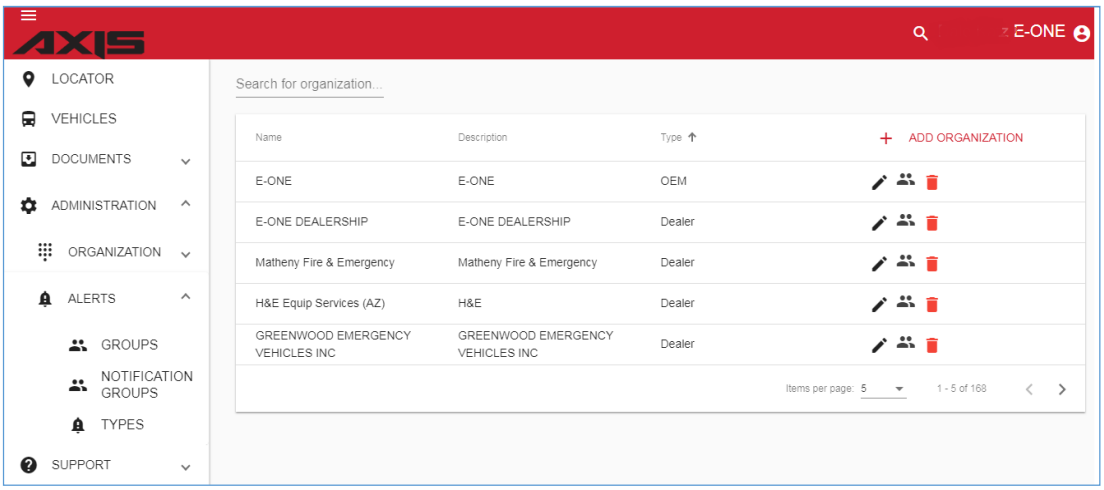



*Figure 33: Administration Panel - Alerts*

2. Fill in all the fields in the New Alert form

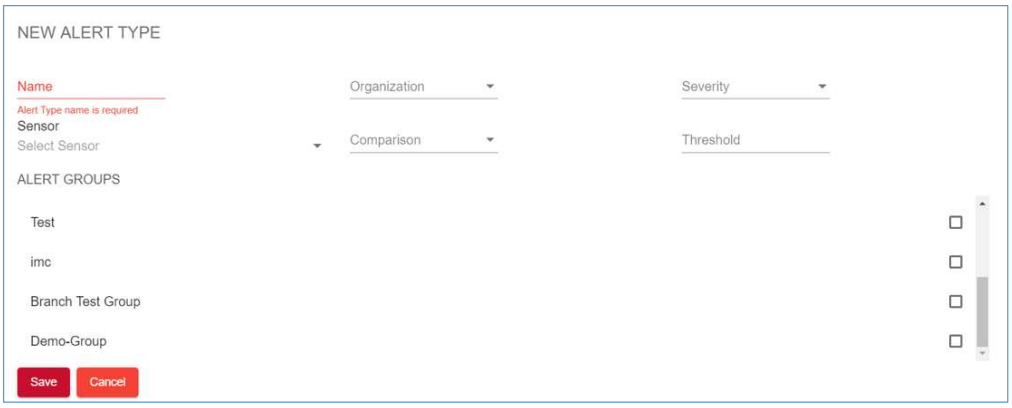



*Figure 35: Edit Alert Form*

3. Note: when severity level is marked as “High” the GPS location icon will turn amber when the alert is triggered.

   Here is a list of available sensors that can be selected:

*Table 8: Threshold Definition Sensors*

| |
|---|
| ABS Active |
| Barometric Pressure |
| Battery Voltage |
| DEF Tank Level |
| Diagnostic Trouble Code |
| Engine Coolant Temperature |
| Engine Oil Pressure |
| Engine Speed |
| Engine Total Hours of Operation |
| Engine Total Idle Hours |
| Fire Pump Engagement Cycles |
| Fire Pump Engagement Hours |
| Fuel Level |
| Geographic Position |
| Throttle Percent |
| Total Vehicle Distance |
| Transmission Oil Temperature |
| Valve CAF Output Status |
| Valve Flow |
| Valve Flow Sensor Status |
| Valve in Motion |
| Valve Position |
| Valve Position Sensor Status |
| Valve Pressure |
| Valve Pressure Sensor Status |
| Wheel-based Vehicle Speed |

4. If you have your Alert Group created, use the “Alert Groups” list to find it and check off the boxes in the far right to assign the Alert Type to the Alert Group. Then Press “Save”.

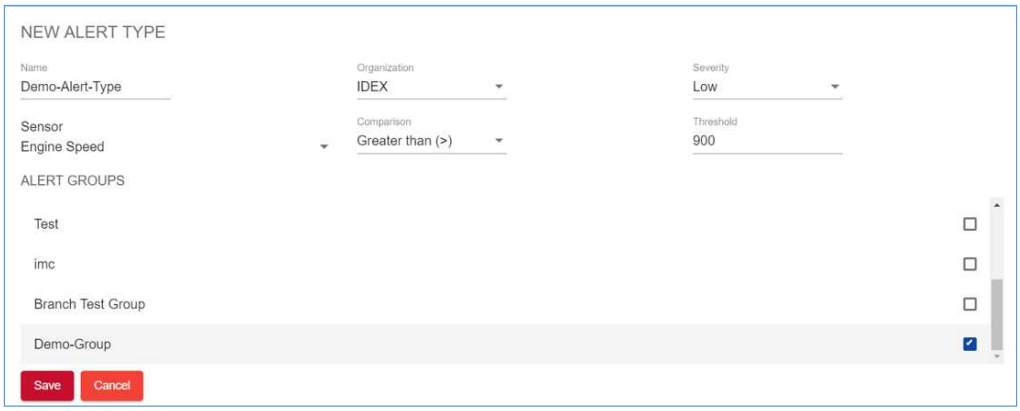



*Figure 18: Edit Alert Form - Alert Group Selection*

5. Your Alert Type will now appear at the bottom of the list. You may have to advance the page if this addition causes you to exceed the Items per page size.

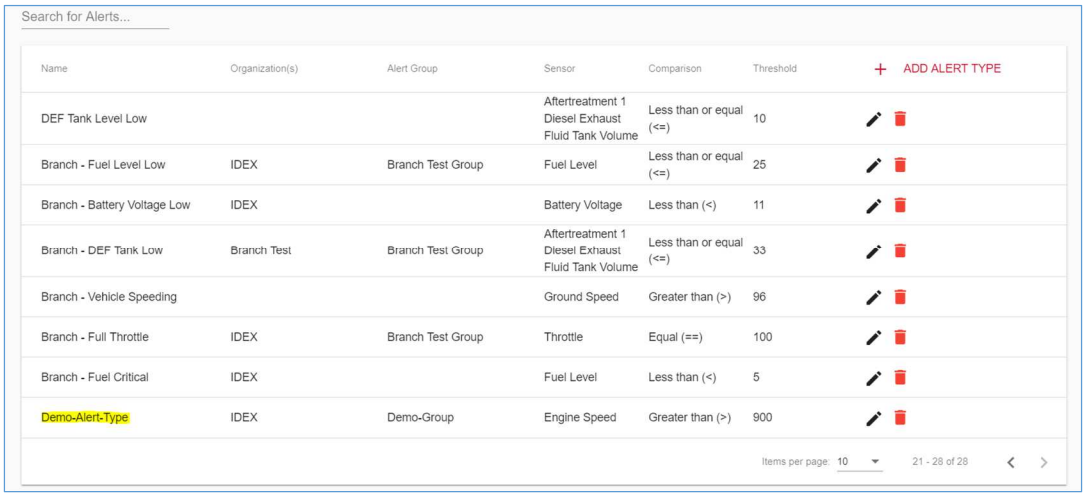



*Figure 19: Alert List - New Alert Location*

## Alert Notification Group Creation

1. From the main page, select ADMINISTRATION→ALERTS→TYPES:

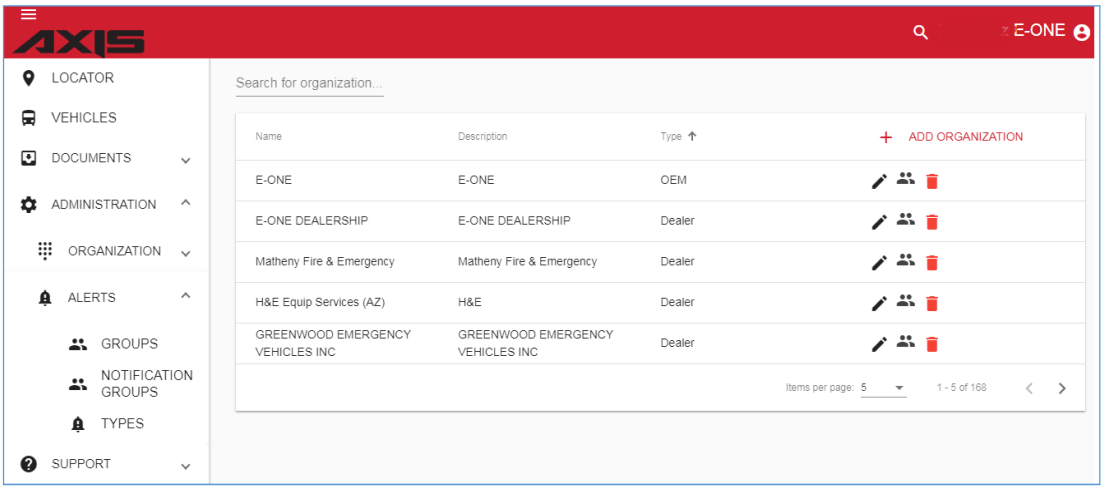



*Figure 20: Administration Panel - Alert Notification Groups*

1. Click "ADD ALERT NOTIFICATION GROUP"

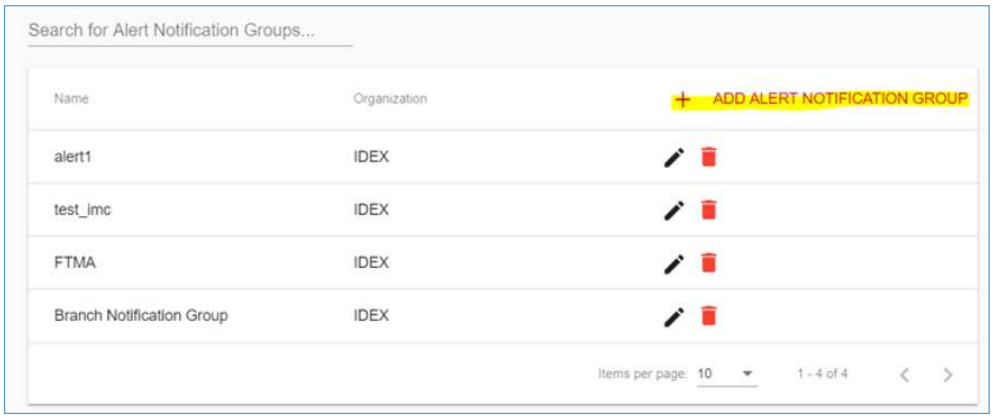



*Figure 21: Alert Notification Group List*

2. Enter a Name for your Alert Notification Group and Press "Save"

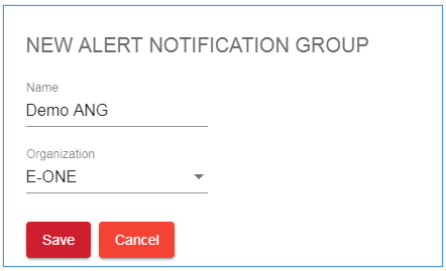



*Figure 22: New Alert Notification Group Form*

3. Your Alert Notification Group will now appear at the bottom of the list. You may have to advance the page if this addition causes you to exceed the Items per page size.

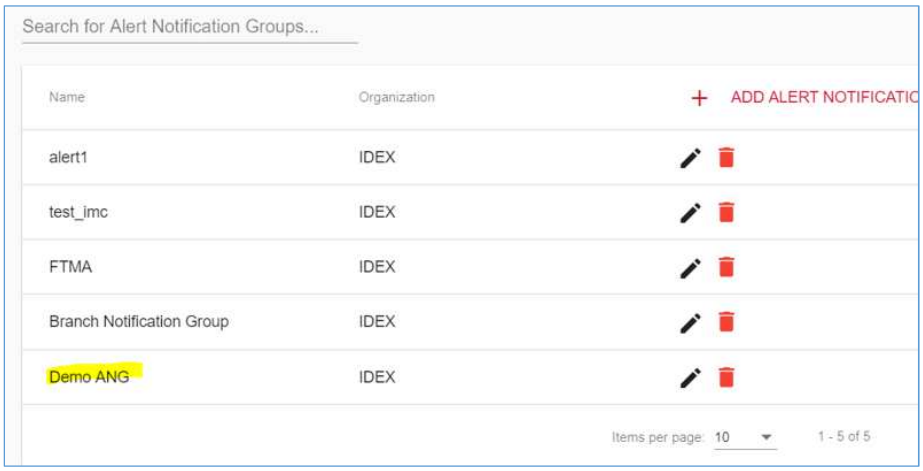



*Figure 23: Alert Notification Group List - New Item Location*

4. Press the Edit icon on the far right on the row

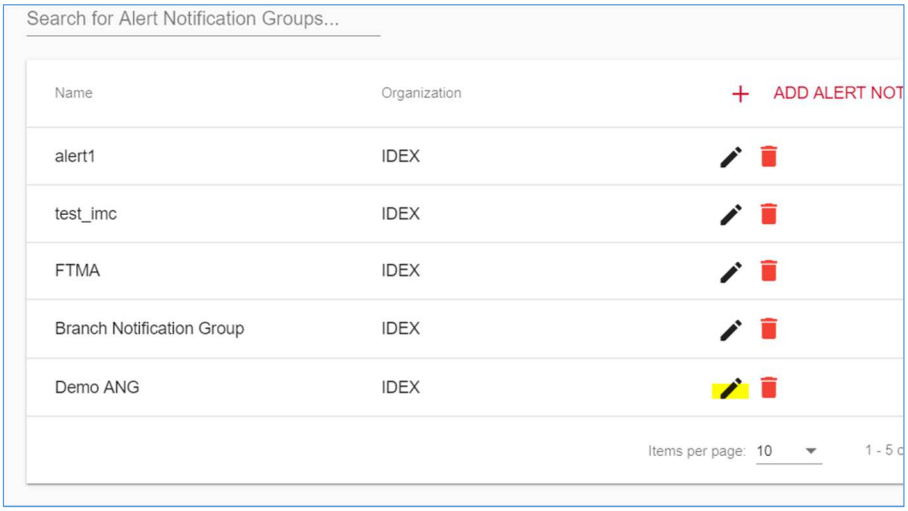



*Figure 24: Alert Notification Group List - Edit Icon*

5. In the “Available Users” Column you can see a list of users you can assign your Alert Types to.

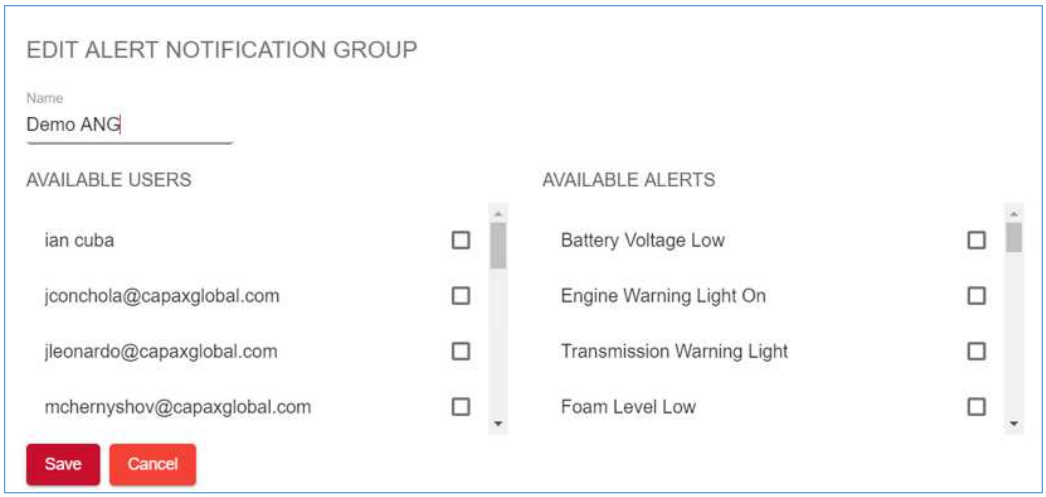



*Figure 25: Edit Alert Group Notification From*

6. Check off the boxes for all the Users you would like to receive these Alert Notifications. If your Alert Type is already defined you can use this menu to assign the Alert Types in the “Available Alerts” column. Then Press “Save”.

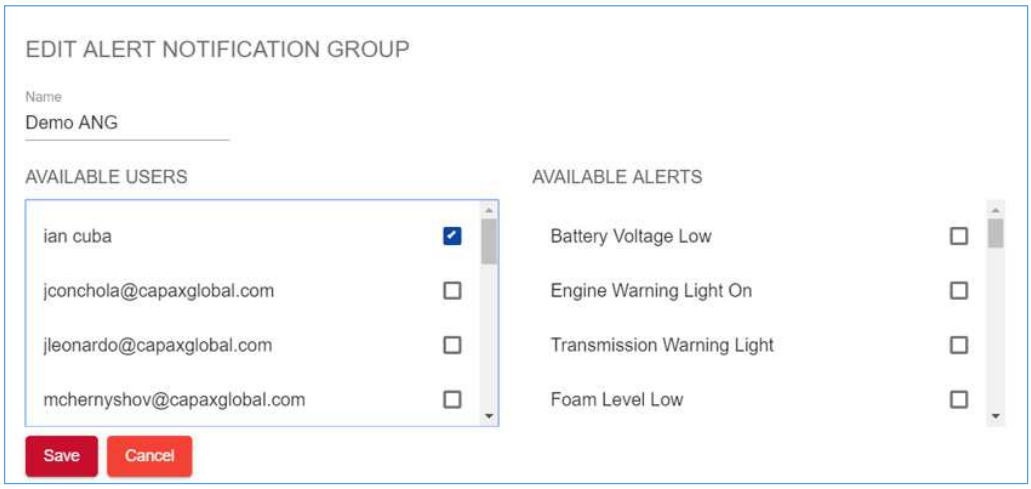
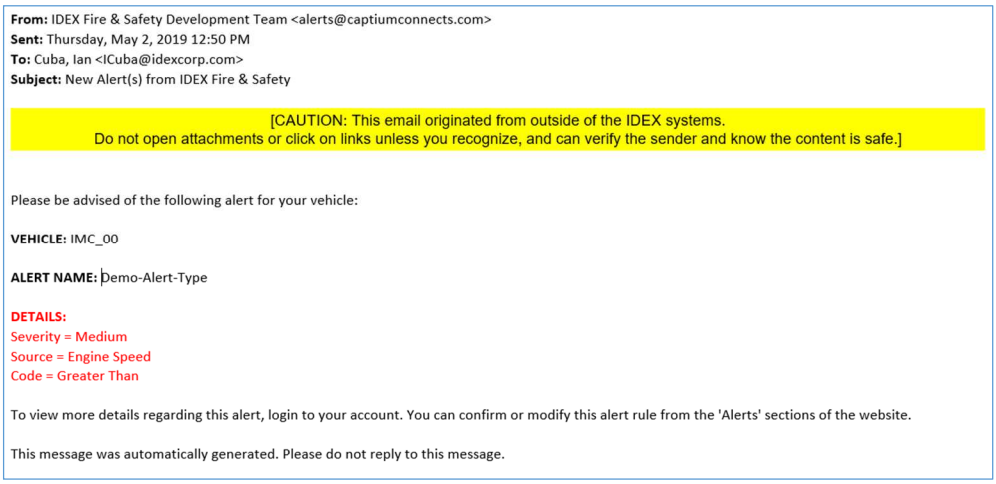



*Figure 26: Edit Alert Notification Group - User Selection*

Note: emailed alerts use the email from the user’s settings, not the Login ID that is shown in the above image.

7. The Alert is now ready to be processed and when it is activated it will appear in an Emailed Alert Notification as shown below:



**From:** IDEX Fire & Safety Development Team <alerts@captiumconnects.com>
**Sent:** Thursday, May 2, 2019 12:50 PM
**To:** Cuba, Ian <ICuba@idexcorp.com>
**Subject:** New Alert(s) from IDEX Fire & Safety

[CAUTION: This email originated from outside of the IDEX systems.
Do not open attachments or click on links unless you recognize, and can verify the sender and know the content is safe.]

Please be advised of the following alert for your vehicle:

**VEHICLE:** IMC_00

**ALERT NAME:** Demo-Alert-Type

**DETAILS:**
Severity = Medium
Source = Engine Speed
Code = Greater Than

To view more details regarding this alert, login to your account. You can confirm or modify this alert rule from the 'Alerts' sections of the website.

This message was automatically generated. Please do not reply to this message.

*Figure 27: Email Alert Sample*

8. The Alert will also show up on the Vehicle Page in the "Active Alerts" card

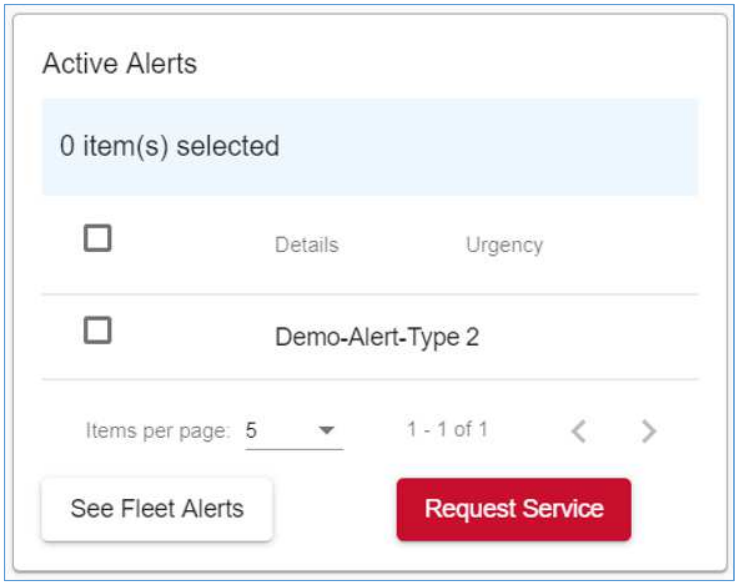



*Figure 28: Active Alert Card on Main Truck Page*

Note: When the Alert clears, it will also clear from the Active Alerts card.

## Over the Air Updates (Admins only)

The AXIS system configuration files can be updated remotely. Here are the instructions for pushing an over the air (OTA) update. This requires a coordinated effort between an OEM administrator who can be remote, and a service representative at the vehicle.

1. The customer/dealer is to contact the OEM to request an update.

2. The OEM will upload the required file to the system as follows:

   a. From the Vehicle Specific Page, go to the Multiplex page:

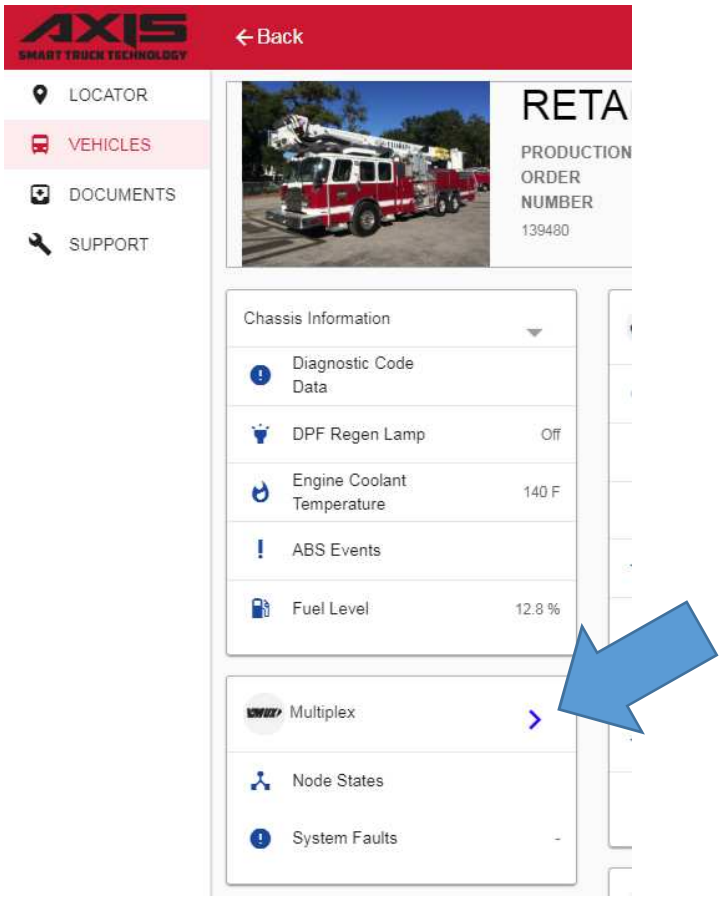



*Figure 29: Specific Vehicle Page - Multiplex*

   b. On the Multiplex page, click the Upload Firmware button:

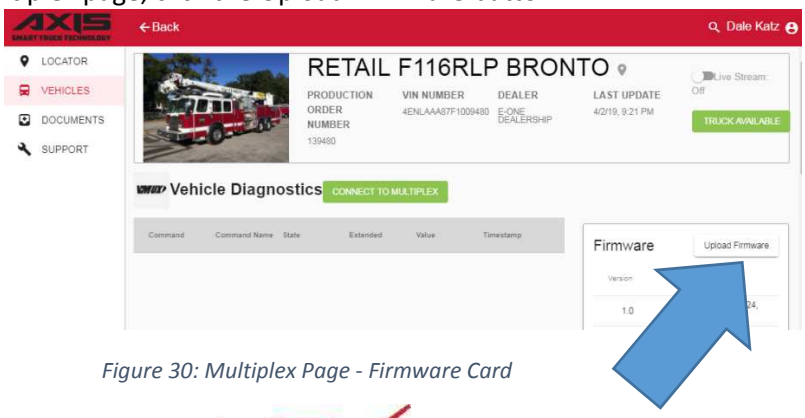



*Figure 30: Multiplex Page - Firmware Card*

c. Click the SELECT FIRMWARE FILE TO UPLOAD button and browse to the file to be uploaded. Upload the file by clicking the upload button and fill out the form.

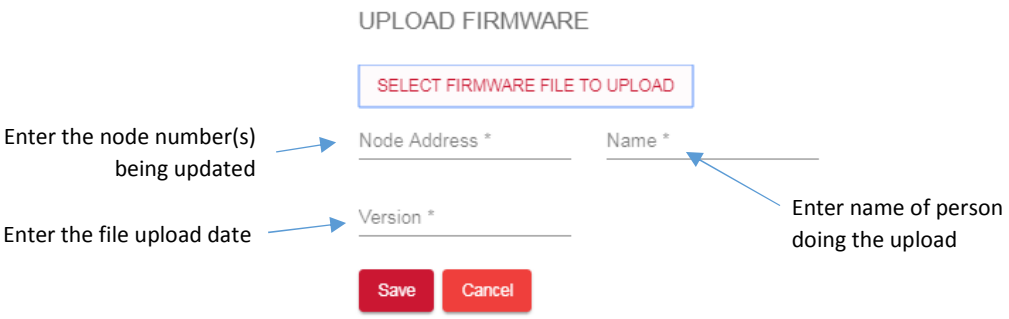



*Figure 31: Upload Firmware Form*

d. After a successful upload, the file will show up at the bottom of the Firmware card with an APPLY button available. **<u>Do not click APPLY yet.</u>**

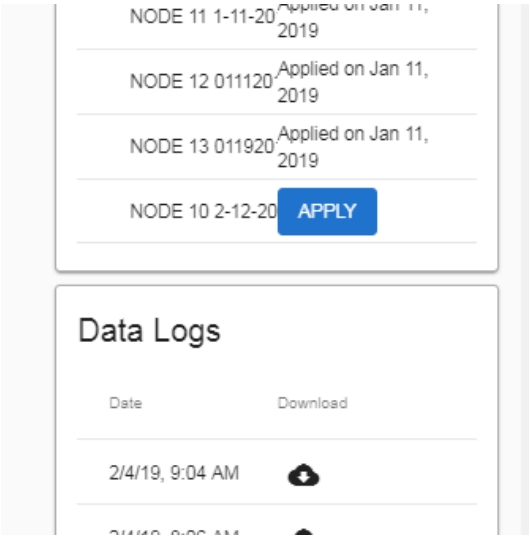



*Figure 32: Firmware Card - Ready to Apply Button*

e. Coordinate with a service representative who is at the vehicle. Instruct the service representative to locate the AXIS gateway which is typically in the dash.

f. Have the service representative switch on the truck ignition, then push and hold down the red and green buttons on top of the box for 6 seconds. The words “READY FOR UPDATE” will scroll across the small LED screen, signifying that the box is ready to receive the update file.

*Figure 33: AXIS Gateway Box - Upload Buttons*

g. While “READY FOR UPDATE” is scrolling across the LED screen on the box, click the APPLY button on the website. The file will begin transferring to the box. Upon complete, a “TRANSFER SUCCESSFUL” message will scroll across the LED screen on the box.

h. The file that has been uploaded to the AXIS site will only be available to download to the truck for 24 hours.