

# TeMeDa API Portal

<https://temeda.portal.azure-api.net>

## APIs Overview

The TeMeDa API is a set of application programming interfaces (APIs) developed by TeMeDa which allow communication with TeMeDa Services and their integration to other services. Examples of these include Asset information such as odometer and engine hours, Locations, Reports, Maintenance, History Trails, and Alerts. TeMeDa customers can use these APIs to take advantage of or extend the functionality of their existing services and internal applications.

The TeMeDa API portal provides a comprehensive list of RESTful JSON-based APIs that allow TeMeDa customers the ability to securely view, analyze and manage their telemetry devices and data. Developers can use this portal to discover and learn about the TeMeDa APIs, and can try out the various API calls right within the portal to view real-time production data in their customer account.

**TeMeDa API** TeMeDa Lighting Up Your World™

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### Welcome to the TeMeDa API portal

The TeMeDa API portal provides a comprehensive list of RESTful JSON-based APIs that allow TeMeDa customers the ability to securely view, analyze and manage their telemetry devices and data.

Developers can use this portal to discover and learn about the TeMeDa API. Just sign up for an API key and start consuming this API right away!

[Sign up](#)

#### API Documentation

Check out the [TeMeDa API Documentation](#) that describes how to use our RESTful APIs and includes code samples in multiple languages. The API Console allows you to directly interact with the API right here in the developer portal.

Click the "Sign Up" button above to get a Subscription Key to access to your TeMeDa API account and telemetry data.

#### Developer Support

Developers can test each API operation with a "Try it" button and see the JSON results immediately. Developers can also log and discuss issues with TeMeDa customer support in the [Issues](#) section of the portal.

Telematics powered by [TeMeDa](#) API powered by [Microsoft Azure](#)

**APIs:**

Currently there are main 4 APIs offered on the TeMeDa API Portal:

**1. AEMP API**



The AEMP (Association of Equipment Management Professionals) API for use with the TeMeDa telematics solution. The AEMP OEM Integration Service will pull specified engine and location information from an OEM provider into your TeMeDa account. The OEM Assets will appear on the map, and can be included on Alerts, History Trail, Reports, Maintenance, etc. The data is formatted according to the AEMP (Association of Equipment Management Professionals) standard version 1.0 in xml. Includes Lat, Long, Cumulative Operating Hours, Idle Hours, and Distance (Odometer). <http://www.aemp.org/> Customers who wish to setup the AEMP OEM Integration service will need to provide TeMeDa with valid credentials and url to their OEM AEMP feed. Please contact TeMeDa customer support for more information.

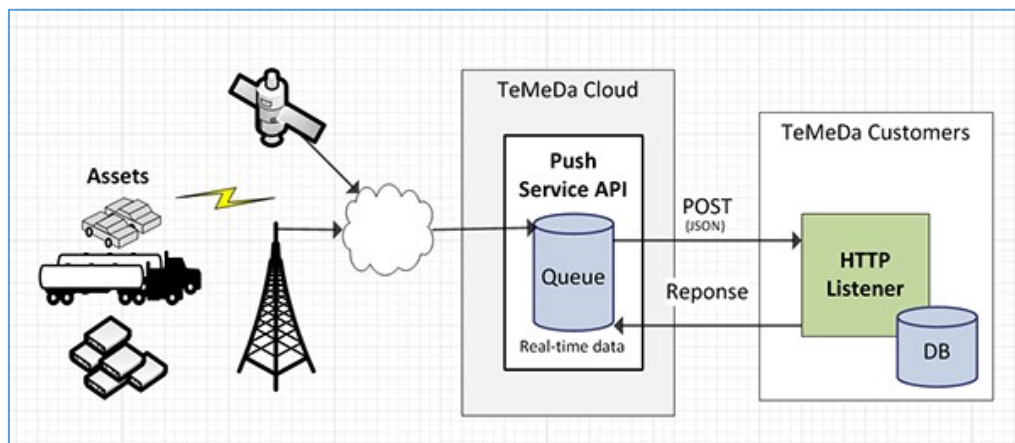
**2. Telemetry API**

A collection of RESTful JSON-based operations for use with the TeMeDa telematics solution. The Telemetry API provides Asset information, Locations, Reports, Maintenance, History Trails, Alerts, and more.

**3. TeMeDa Admin API**

A collection of RESTful JSON-based operations for use with the TeMeDa telematics solution that allows administrative functions such as Add, Edit and Delete operations to your TeMeDa account data.

**4. TeMeDa PUSH Service API** - The TeMeDa Push Service API is a real-time data interface based on industry standard JSON and HTTP web operations. This interface is being offered to customers and service providers who intend to integrate their systems with TeMeDa and wish to receive real-time telemetry data updates as they occur within the TeMeDa telematics system. Customers are required to create a HTTP/JSON listener in order to receive data.



**Getting Started:**

Usage of the TeMeDa APIs requires authentication and authorization. To start, it is necessary to sign-up on the TeMeDa API Portal (<https://temeda.portal.azure-api.net>) and subscribe to one or more API Products. Once your subscription is approved, you will be given an Authorization token, Environment Code, and a Subscription Key. You must use these credentials to execute API calls to the TeMeDa API.

**API Documentation:**

The TeMeDa API Portal documents each API call, including every operation available, the request url, required input fields and/or body, and sample Response JSON data. There is also a Code Sample generator that will generate the each API call in Curl, C#, Java, Javascript, ObjC, PHP, Python, and Ruby.

The screenshot shows the TeMeDa API documentation interface. At the top, there is a navigation bar with 'HOME', 'PRODUCTS', 'APIS', and 'ISSUES', along with an 'ADMINISTRATOR' dropdown. The main header displays 'TeMeDa API' and the logo 'TeMeDa Lighting Up Your World™'. A sidebar on the left lists various API endpoints, with 'GET Alert Event by ID' selected. The main content area is titled 'Telemetry API' and includes a sub-section for 'Alert Event by ID'. It provides a description: 'Gets an Alert Events by ID (idAlert\_Event)'. Below this, there is a 'Try it' button and sections for 'Request URL', 'Request parameters', 'Request headers', and 'Request body'. The 'Request parameters' section contains a table with the following data:

Parameter Name	Type	Description
id	number	The unique ID of the Alert Event (idAlert_Event).

The 'Request headers' section lists three required headers:

- Authorization**: string. \*\* Required. Basic Authentication credentials: 'Basic ' followed by 'username:password' Base64 encoded.
- EnvironmentCode**: string. \*\* Required. 3 character Environment Code.
- Ocp-Apim-Subscription-Key**: string. Subscription key which provides access to this API. Found in your [Profile](#).

API Documentation – Sample JSON Response and Code Samples:

- GET Location by ID
- GET Location Types
- GET Locations
- GET Maintenance Logs
- GET Maintenance Plans
- GET Maintenance Tasks
- GET Project by ID
- GET Projects
- POST Report-Asset Sensor
- POST Report-Group Sensor
- GET Report-Group Status
- POST Reports
- GET Units of Measure
- GET User Alerts
- GET Users
- GET Zone by ID
- GET Zones

Response 200

```

application/json

[[
  {
    "idLandmark": 8630,
    "Landmark_Name": "Chicago Navy Pier",
    "Landmark_Label": "circle Navipier",
    "Landmark_Category": 1,
    "Landmark_House_Nbr": "E Grand Ave",
    "Landmark_Address_Line1": "E Grand Ave",
    "Landmark_City": "Chicago",
    "Landmark_Region": "IL",
    "Landmark_Country": "US",
    "Landmark_Type": "Polygon",
    "Landmark_Style": null
  },
  {
    "idLandmark": 8698,
    "Landmark_Name": "Cantigny Park",
    "Landmark_Label": "cantigny address 2",
    "Landmark_Category": 1,
    "Landmark_House_Nbr": "N Flanders Ln",
    "Landmark_Address_Line1": "N Flanders Ln",
    "Landmark_City": "Winfield",
    "Landmark_Region": "IL",
    "Landmark_Country": "US",
    "Landmark_Type": "Polygon",
    "Landmark_Style": "Park"
  }
]]
        
```

Code samples

Curl C# Java JavaScript ObjC PHP Python Ruby

```

@ECHO OFF

curl -v -X GET "https://temeda.azure-api.net/telemetry/locations"
-H "Authorization: Basic username:password (Base64 encoded)"
-H "EnvironmentCode: "
-H "Ocp-Apim-Subscription-Key: {subscription key}"

--data-ascii "{body}"
        
```

**API Documentation – Units of Measure:**

The TeMeDa APIs use standard units of measure for either US/Imperial or Metric. The API can also be configured for a specific TimeZone:

Unit	US/Imperial	Metric
Date/Time	API Configured TimeZone	API Configured TimeZone
Distance	Miles (m)	Kilometers (km)
Speed	Miles per hour (mph)	Kilometers per hour (kmh)
Fuel Efficiency	Miles per gallon (mpg)	Liters per 100 km (L/100km)
Temperature	Fahrenheit (°F)	Celsius (°C)
Volume	Gallons (G)	Liters (L)
Battery	Volts (v)	Volts (v)
Engine Time	Hours (h)	Hours (h)
Pressure	Pounds per square inch (psi)	KiloPascal (kPa)

**Miscellaneous API Usage Notes:**

1. To get the current actual Odometer and Engine hours for an Asset, use the following fields from the Device object contained within an Asset object:
  - "Estimated\_GPS\_Odometer":
  - "Estimated\_Engine\_Hours":

Note: The Estimated fields above are calculated by adding the odometer or engine hours to the User entered offset from the Asset Detail page (Basic and Source Setting Tabs). The Estimated values are sourced according to the corresponding "OdometerSource" or "EngineHoursFromEngineBus" fields.

2. "Total" fields are cumulative/lifetime values.
3. Maintenance Plans - "TimeInterval" unit of measure is in days.
4. Report Summary section – duration units of measure are in seconds.

**API Usage Quotas and Limitations:**

API usage is limited by access control policies. These policies are subject to change.

1. 5000 API requests per day (rolling 24 hours).
2. 100 requests per minute (rolling 60 seconds).