

Pole Star Platform

# Pole Star API

For in-house and commercial developers who need API access to ship tracking data and services, the Pole Star API connects your systems or applications with our industry-renowned services and data.

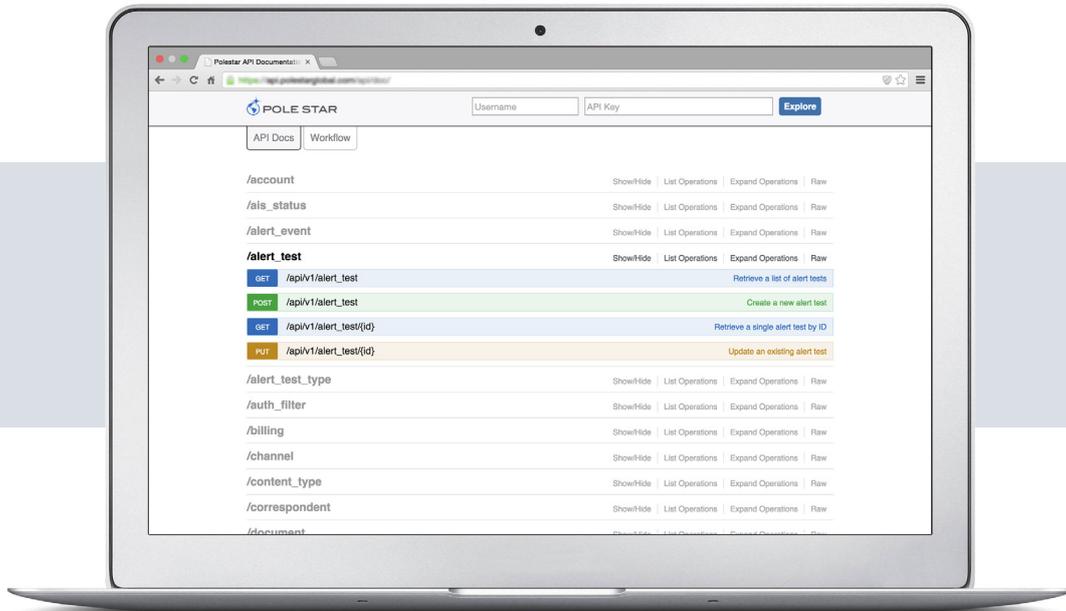
The Pole Star API provides programmatic access to ship information data (including ship positions, ship particulars and events) and our application layers (including user-defined zones and weather) using simple, powerful, and secure application programming interfaces for simple integration with internal systems (e.g. ERP) and other applications.

Essentially, our RESTful API allows in-house and commercial software developers to do all the things that users of the Pole Star platform are able to in our mobile and desktop apps. With API key authentication and granular user-based permissions, you can easily manage and control access to the Pole Star API.



## Key Benefits

- Granular user-based permissions allow you to manage and control access
- High performance and availability
- Full documentation makes development and testing simple
- RESTful architecture
- JSON requests and responses
- Integrate with internal systems
- Increase availability of data across your business
- Enhance supply chain visibility
- No need to develop and maintain your own systems or data
- Reduces up-front development costs



## Documentation

Every developer gets access to our complete and interactive Swagger-enabled API documentation, to help you build the best possible services with our RESTful API. And, if you need help, your questions will be answered by our dedicated API support team.

## Training

As any good developer knows, simplicity and elegance are essential for successful integrations and applications. Our training programme will teach you best practices to help you to prototype more rapidly and develop more stable, scalable applications on our platform.

### For commercial developers

We know first-hand how difficult building applications can be. This is especially true when you are providing mission-critical or real-time services. Your applications need to be highly reliable, available and scalable.

Building it yourself is always more expensive, more time consuming and more demanding of your development, testing and support resources.

When you utilise the Pole Star API, you get access to our industry-renowned data and services, so you do not have to develop and maintain your own.



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### For in-house developers

Our RESTful API gives you easy access to your company's ship position information, ship particulars, notifications, events (e.g. alerts), weather data and much more.

Essentially, the API gives you the freedom to extract, analyse and integrate all of the data that is available to you within Pole Star's desktop and mobile apps.

With the Pole Star API, you can connect to your Pole Star account, allowing you to develop your own applications or integrate with your ERP or existing IT systems.



# Case study: Pole Star

The Pole Star API lets you do all the things that users can do to in our mobile and desktop applications. In fact, there is no better example of the API in action than our own services, which are all built using the API.

## /notification\_profile

Get notified about key events like security alerts, tests and zone entries by SMS, email, fax and telex.

## /subscription

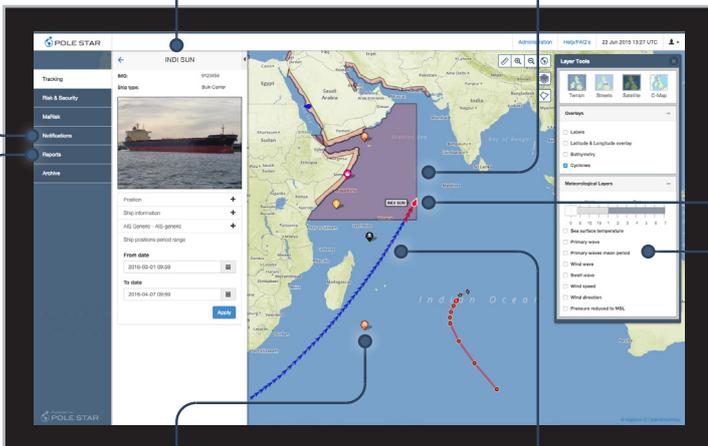
Perform real-time operations on transceivers including: poll for an immediate position, reset an alert, change reporting rate, activate and deactivate.

## /ship

Access dynamic ship information including ship particulars and photo (from IHS Sea-Web).

## /user\_zone

With our user-zone resources you can retrieve the coordinates of user-generated zones or create your own.



## /incident

Access accurate, up-to-date and geo-located piracy incident data (from Risk Intelligence).

## /position

Retrieve position reports received via one or more communication sources. Positions can be accessed per fleet, ship, or mobile transceiver.

## /report

Save time by automating complex reporting tasks. Use the API to extract and integrate Pole Star data with your internal or big data systems, for deeper insights.

## /weather

Access up-to-date, global weather forecast (up to 7 days ahead) and cyclone data (from Tidetech).

# Services

The Pole Star API provides methods for accessing resources like ships, position reports, events, zones, weather and much more, including:

- /ais\_status
- /alert\_event
- /alert\_test
- /event
- /fleet
- /incident
- /incident\_type
- /notification\_profile
- /position
- /procedure\_checklist
- /report
- /ship
- /ship\_history
- /ship\_personnel
- /subscription
- /subscription/activate
- /subscription/deactivate
- /subscription/immediate\_position
- /subscription/change\_interval
- /subscription/reset\_alert
- /user\_zone
- /weather
- /ship

Retrieve a ship or a list of ships. (condensed)

```
{
  "objects": [
    {
      "breadth": "11.590",
      "country_of_build": "Japan",
      "creation_date": "2015-06-05T10:48:39.410583",
      "deadweight": "768.0",
      "flag": {
        "name": "Panama"
      },
      "gross_tonnage": "449",
      "group_beneficial_owner": "Unknown",
      "image": null,
      "imo_number": "6543210",
      "length_overall_loa": "139.709",
      "mmsi": "234567890",
      "operator": "Shipowner GmbH",
      "port_of_registry": "Balboa",
      "registered_owner": "Shipowner GmbH",
      "resource_uri": "/api/v1/ship/sis5060744",
      "ship_email": "indisun@shipmngmt.com",
      "ship_manager": "Ship Management Ltd",
      "ship_name": "INDI SUN",
      "ship_phone": "870-123-456-789",
      "ship_type": "Tanker",
      "shipbuilder": "Builders Unknown",
      "stat_code_5": "A35D2RL",
      "technical_manager": "Technical Mngmt Inc",
      "year_of_build": "1944"
    }
  ]
}
```

# Features



## API Design

The Pole Star API uses a RESTful endpoint architecture and HTTP verbs. Our requests and responses are formatted as JSON.



## Documentation

With our Swagger-enabled API, you get complete, interactive and easy to understand documentation.



## Cloud based

Our state-of-the-art, cloud-based web services ensure a secure, scalable and always-up-to-date system.



## Real time data

Our API gives you access to near real time data allowing you to report on or build applications that utilise live vessel movement data, notifications and alerts as they happen.



## Customisable notifications

Get notified about key events in near real-time including: latest position reports, security alerts, and zone entries and exits.



## Granular permissions

Granular user-based permissions allow you to manage and control access to ships, fleets and more.



## Authentication

Access is authenticated by secure API key.



## Clean code

The Pole Star API uses clean, well-formed code to make development and maintenance of your code easy and quick.



## Consistent geospatial data

All our geospatial services use a well-formed, consistent and OGC-compliant geospatial data format.



## First class service providers

Our API utilises data from a number of first-class data providers including: IHS, Dow Jones, ORBCOMM and Jeppesen.



## Training

Join our training programme to learn best practices, tips and techniques to get the most from your Pole Star API enabled application or integration.



## Need help?

Our dedicated API support team is happy to help you with any questions you may have.



## Already a customer?

Access to our API is included when you subscribe to any of Pole Star's services.

## You might also be interested in:



### SSAS Management

A complete SSAS management system that allows CSOs and DPAs to manage security alerts and respond to incidents - from the office, home or mobile.



### Risk Insight

Risk Insight provides you with near real-time updates of incidents such as piracy, terrorism, hijacking, insurgency and other maritime crime around the world, right inside your Pole Star account.



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