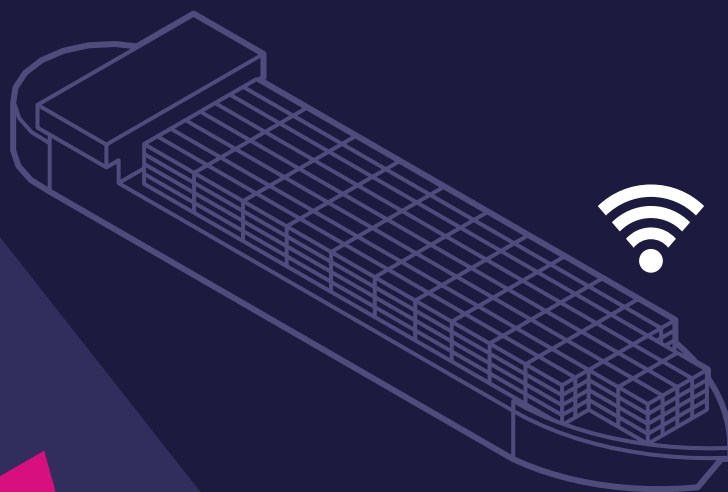




Clearwater

DYNAMICS

VESSEL TRACKING API



Vessel Tracking API

The vessel tracking API gives users the unique ability to integrate Clearwater's best-in-class tracking capabilities with users' existing systems. Integration of new functionality with existing systems extends operational capability with minimal disruption.

The Clearwater vessel tracking API is built using modern security protocols.



Maximise information across multiple services

To get more out of existing paid-for services such as weather routing, performance or daily reporting, you can provide high-frequency position and data reports directly to the 3rd party application. Doing this, in most cases, will result in a better service offering. War risk breaches, weather routing and performance monitoring solutions are services that benefit from real-time vessel tracking.



API Benefits



Enhanced maritime situational awareness



Integrate vessel positions and details with existing systems



Minimise operational disruption



Raptor and/or AIS data sources



Enhanced safety & security of vessel, crew and cargo

What's included ?

1

Raptor/AIS Data Fields

- Clearwater vessel UID
- Vessel name & IMO
- UID for each position report
- Latitude & longitude
- Course & speed
- Ocean region
- Odometer (Raptor only)

Optionally include:

2

Enhanced AIS

- Vessel MMSI
- Vessel type
- Navigation status
- Destination
- ETA
- Draught

```
$ curl https://{host}/api/v1/vessel?api_key=
```

The above command returns JSON structure


```
[
  {
    "id": 1,
    "name": "BEN MY CHREE",
    "imo": 9170705,
    "location": {
      "id": 12345,
      "timestamp": "2018-01-02T03:04",
      "lat": 54.0180566667,
      "lon": -3.940665,
      "course": 111,
      "speed": 18.4
    }
  },
  {
    "id": 2,
    "name": "MANANNAN",
    "imo": 9176072,
    "location": {
      "id": 12346,
      "timestamp": "2018-01-02T03:04",
      "lat": 53.3888733333,
      "lon": -3.009675,
      "course": 115,
      "speed": 0
    }
  }
]
```

Further information can be found at:

www.cwdynamics.com



Link House, 25 West Street, Poole, BH15 1LD, UK

 **T:** +44 1202 804140

 **E:** info@cwdynamics.com

 **W:** www.cwdynamics.com