

VesselRoute Widget

Version 1.0.0 January 2025

VesselRoute widget can be used in both Dashboard and Report and is compatible with IBM Cognos Analytics 11.2.4 and 12.0.4; it has been tested with the most common browsers: Chrome, Firefox, Edge and Safari.

Above the common attributes (texts and colours), you can configure many attributes, such as:

Icons output mode, route lines size and visibility, ship and anchor markers visibility and dimension.

☐ Costa Med Cruise

☐ Suez Strait

☐ Pacific route

☐ Far East CS 2405W

☐ North Europe

All None

Hide Forecast ▾

☒ Show Anchor

☐ Hide Anchor

☒ Show Vessels

☐ Hide Vessels

Fine

^ Vessel Route Labels and Marker

Rendering Mode In Canvas ▾

Vessel Marker Size (0-50) 38

Port Marker Size (0-50) 18

Show Port Markers ☒

Show Vessel Markers ☒

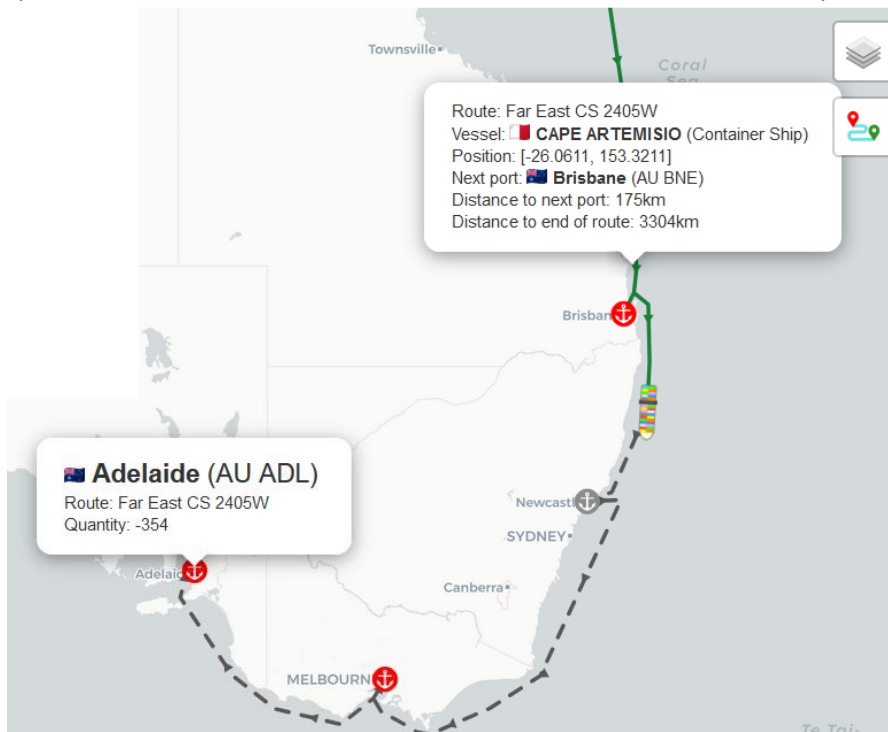
Date Format DD/MM/YYYY HH:mm

^ Vessel Route Lines

Lines Weight (0-10) 3

Show Lines ☒

Pop-up windows can be customized with information added in the corresponding slots.



Canvas mode is useful to improve rendering performance when the number of objects (vessel and port anchors, lines) is very high.

Canvas ▾
Image
SVG
Canvas

Sample Data

First: upload Excel file provided and then create a simple data module with all the columns.

Ricerca

VesselRoute sample

Percorsi di navigazione

VesselRoute_sample_Data.xlsx

ID riga

abc Routes

Order

Latitude

Longitude

abc Voy_Status

abc PointType

abc Port_UNLocode

abc Port_type

Port Name

Port Country CD

Port Country

ID riga	Routes	Order	Latitude	Longitude	Voy_Status	PointType
1	Voy 31517	0	31,376810	121,571600	A	P
2	Voy 31517	10	37,455435	126,625099	A	P
3	Voy 31517	20	31,583300	127,160000	A	N
4	Voy 31517	30	34,620000	129,017000	A	N
5	Voy 31517	40	35,883000	129,683000	A	N
6	Voy 31517	50	36,107380	128,786090	C	N
7	Voy 31517	60	36,154700	129,518900	F	N
8	Voy 31517	70	36,037210	129,410600	F	P
9	Voy 31517	80	38,976963	135,787419	F	N
10	Voy 31517	90	41,352262	140,220811	F	N
11	Voy 31517	100	41,606684	140,903399	F	N
12	Voy 31517	100	41,640531	140,916264	F	N

Then you can use all or only part of the columns to test Vessel Route Widget.

Dashboard Setup with sample data

Routes*

Routes

Order

Order

Latitude*

Latitude

Longitude*

Longitude

Navigation Info

Voy_Status

PointType

ETA_Date

Port Info

Port_type

Port_UNLocode

Port Name

Vessel Info

Vessel Type

Vessel_Name

IMO

Vessel Country

Quantity

Qty

Report Configuration with sample data

Navigation Info

<Voy_Status>

<PointType>

<ETA_Date>

Data

Routes *

<Routes>

Order

<Order>

Latitude *

<Latitude>

Longitude *

<Longitude>

Port Info

<Port_type>

<Port_UNLocode>

<Port Name>

Vessel Info

<Vessel Type>

<Vessel_Name>

<Vessel Country>

<IMO>

Quantity

<Qty>

Only 3 fields are mandatory: **Route name** (or ID – you can even use vessel name or IMO), **Latitude & Longitude**

While many others are optional:

Order is a numerical field used to sort the coordinate points.

Navigation Info Slot

Voyage Status: **A**=Actual, **C**=Current position, **F**=Forecast

Point Type: **N**=Navigation, **P**=Port/Stop

A/F→ Line Type

C→Ship Icon

when Point Type = P, you can use in conjunction with **Port Type Code** to display anchor markers

Port Info Slot

Port Type: **LP**=Loading Port, **DP**=Discharging Port, **TS**=Transshipment, **AN**=Anchor, **GE**=Generic, **TE**=Terminal
the *Port Type Codes* are “fixed” and linked to SVG file used as marker
Port’s marker are displayed only if **Point Type** = P

Port Code: UN/Locode 5 digit code
first 2 chars are used to decode/display **Port Country Flag**

Port Name: Any string

Vessel Info Slot

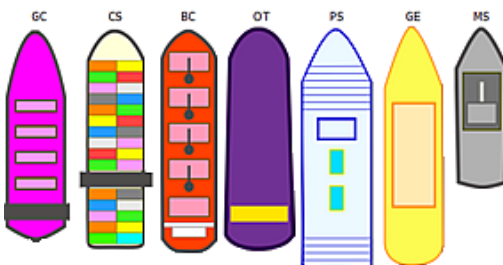
Vessel Type: **CS**=Container, **BC**=Bulk Carrier, **GC**=General Cargo, **PS**=Passenger, **OT**=Oil Tanker, **MS**=Military
the *Vessel Type Codes* are “fixed” and linked to SVG file used as marker
Ship’s marker are displayed at the end of the route or when **Voyage Status** = C

Vessel Flag: 2 digit string: ISO 3166 Alpha-2 code

Vessel Name: Any string

Vessel IMO: Vessel IMO Code (unverified)

Pop-up windows can be customized with information added in the corresponding slots.



Vessel Markers