

Data Dictionary

Ship Table

Ship			
Name	Type	Restrictions	Explanation
name	varchar(255)	Doesn't have any restriction.	The ship name.
mmsi	varchar(10)	Unique value.	The ship unique identification code.
vesseltype	varchar(255)	Doesn't have any restriction.	The ship type, which is numerically coded.
generatorPow	float	Doesn't have any restriction.	The generator's power output.
nEnergyGen	integer	Doesn't have any restriction.	The ship's number of energy generators.
length	float	Doesn't have any restriction.	The ship length.
width	float	Doesn't have any restriction.	The ship width.
capacity	integer	Doesn't have any restriction.	The ship load capacity.
draft	float	Doesn't have any restriction.	The ship draft.
transceiver	byte	Doesn't have any restriction.	The ship transceiver.
refrigerationTemperature	float	Doesn't have any restriction.	The ship refrigeration temperature.
callsign	varchar(255)	Unique value.	The ship unique call sign.
imo	varchar(10)	Format: IMO at the beginning and 7 numbers // Unique value.	The ship unique identification number.

Truck Table

Truck			
Name	Type	Restrictions	Explanation
Name	varchar(255)	Doesn't have any restriction.	The truck name.
TruckId	varchar(255)	Doesn't have any restriction.	The truck identification.

Client Table

Client			
Name	Type	Restrictions	Explanation
name	varchar(255)	Doesn't have any restriction.	The client's name.
id	varchar(255)	Doesn't have any restriction.	The client's identification.
email	varchar(255)	Unique value.	The client's unique email.
cc	varchar(8)	Must have 8 digits.	The client's citizen card number.
phoneNumber	varchar(255)	Must have 9 digits.	The client's phone number.
address	varchar(255)	Doesn't have any restriction.	The client's address.
birthDate	date	Must respect the date format.	The client's birthdate.

Role Table

Role			
Name	Type	Restrictions	Explanation
id	varchar(255)	Doesn't have any restriction.	The role identification.
roleDescription	varchar(255)	Doesn't have any restriction.	The role description.

Employee Table

Employee			
Name	Type	Restrictions	Explanation
name	varchar(255)	Doesn't have any restriction.	The employee name.
email	varchar(255)	Unique value.	The employee email.

Container Table

Container			
Name	Type	Restrictions	Explanation
containerId	varchar(255)	Doesn't have any restriction.	The container's identification.
payload	float	Doesn't have any restriction.	The container's payload.
tare	float	Doesn't have any restriction.	The container's tare.
gross	float	Doesn't have any restriction.	The container's gross.

Container Position Table

ContainerPosition			
Name	Type	Restrictions	Explanation
xPos	integer	Doesn't have any restriction.	The container's x coordinate.
yPos	integer	Doesn't have any restriction.	The container's y coordinate.
zPos	integer	Doesn't have any restriction.	The container's z coordinate.

Cargo Manifest Table

CargoManifest			
Name	Type	Restrictions	Explanation
id	varchar(255)	Doesn't have any restriction.	The cargo manifest's identification.
containerGrossWeight	double	Doesn't have any restriction.	The container's gross weight.
containerId	varchar(255)	Doesn't have any restriction.	The container's identification.

Positional Message Table

Positional Message			
Name	Type	Restrictions	Explanation
latitude	float	It can range from -90 to 90. If it is 91, it is not available.	The ship latitude.
longitude	float	It can range from -180 to 180. If it is 181, it is not available.	The ship longitude.
SOG	float	Doesn't have any restriction.	The ship speed over ground.
COG	float	Doesn't have any restriction.	The ship course over ground.
heading	float	Doesn't have any restriction.	The ship heading.

Facility Table

Facility			
Name	Type	Restrictions	Explanation
id	varchar(255)	Doesn't have any restriction.	The facility identification.
name	varchar(255)	Doesn't have any restriction.	The facility name.

Port Table

Port			
Name	Type	Restrictions	Explanation
PortName	varchar(255)	Doesn't have any restriction.	The port name.

Warehouse Table

Warehouse			
Name	Type	Restrictions	Explanation
FacilityId	varchar(255)	Doesn't have any restriction.	The warehouse identification.
WarehouseName	varchar(255)	Doesn't have any restriction.	The warehouse name.

Localization Table

Localization			
Name	Type	Restrictions	Explanation
name	varchar(255)	Doesn't have any restriction.	The localization name.
latitude	float	It can range from -90 to 90. If it is 91, it is not available.	The localization latitude.
longitude	float	It can range from -180 to 180. If it is 181, it is not available.	The localization longitude.

Continent Table

Continent			
Name	Type	Restrictions	Explanation
name	varchar(255)	Doesn't have any restriction.	The continent name.

ISO Code Table

ISOCode			
Name	Type	Restrictions	Explanation
id	varchar(255)	Doesn't have any restriction.	The ISO code identification.
width	double	Doesn't have any restriction.	The ISO code width.
length	double	Doesn't have any restriction.	The ISO code length.
height	double	Doesn't have any restriction.	The ISO code height.