rentalCompanies
- 🔑 rentalCompanyIVA VARCHAR(45) NN
- ◇ rentalCompanyName VARCHAR(45)

Indexes
- PRIMARY
- IVA_UNIQUE

rentalShips
- 🔑 IMO INT NN
- ◇ masterData VARCHAR(45)
- ◇ rentalCompanyContacts VARCHAR(45)

Indexes
- PRIMARY
- IMO_UNIQUE

Triggers
- BEF INSERT checkRentalShipsNumber

ownShips
- 🔑 IMO INT NN

Indexes
- PRIMARY
- IMO_UNIQUE

Triggers
- BEF INSERT checkOwnShipsNumber

Ships
- 🔑 IMO INT NN
- ◇ name VARCHAR(45)
- ◇ tonnage INT
- ◇ nationality VARCHAR(45)
- ◇ draft VARCHAR(45)
- ◇ autonomy VARCHAR(45)

Indexes
- PRIMARY
- IMO_UNIQUE

rentalContracts
- 🔑 registrationNo INT NN AI
- 🔶 rentalCompanyIVA VARCHAR(45) NN
- 🔶 IMO INT NN
- ◇ rentStartDate DATETIME
- ◇ rentEndDate DATETIME
- ◇ stipulationDate DATETIME
- ◇ availability INT
- ◇ eSignature BLOB

Indexes
- PRIMARY
- registrationNo_UNIQUE
- fk_rentalContracts_rentalShips1_idx
- fk_rentalContracts_rentalCompanies1_idx

Triggers
- BEF UPDATE updateStipulationDate
- BEF UPDATE updateRenatlShipAvailability
- BEF INSERT addStipulationDate
- BEF INSERT addRenatlShipAvailability

wherePorted
- 🔑 IMO INT NN
- ◇ portCoordinates VARCHAR(45) NN
- ◇ ported BINARY(2) NN

Indexes
- PRIMARY

haveCrew
- ◇ crewType INT NN
- 🔶 IMO INT NN

Indexes
- fk_haveCrew_Ships1_idx
- IMO_UNIQUE
- crewTypeIndex

Crews
- 🔑 pk INT NN AI
- 🔶 crewType INT NN
- ◇ role VARCHAR(45)
- ◇ qualifications VARCHAR(45)
- ◇ Certificate BINARY(2)
- ◇ vacancies INT
- ◇ salary INT

Indexes
- fk_Crews_haveCrew1_idx
- PRIMARY
- code_UNIQUE

Missions
- 🔶 IMO INT NN
- 🔑 missionNo INT NN
- ◇ missionStartDate DATETIME
- ◇ missionEndDate DATETIME
- ◇ missionLoad INT
- ◇ currCoordinates VARCHAR(45)
- ◇ advanceDelay INT
- ◇ missionValidity BINARY(2)

Indexes
- fk_Missions_carriageContracts1_idx
- fk_Missions_Ships1_idx
- missionNo_UNIQUE
- PRIMARY

haveStaff
- 🔶 missionNo INT NN
- 🔑 id INT NN
- ◇ role VARCHAR(45)
- ◇ qualifications VARCHAR(45)

Indexes
- PRIMARY
- fk_haveStaff_Missions1_idx
- fk_haveStaff_Employees1_idx

Employees
- 🔑 id INT NN
- ◇ employeeName VARCHAR(45)
- ◇ qualifications VARCHAR(45)

Indexes
- PRIMARY

carriageContracts
- 🔶 missionNo INT NN
- 🔶 customerIVA VARCHAR(45) NN
- ◇ stipulationDate DATETIME
- ◇ price INT
- ◇ eSignature BLOB
- ◇ contractStatus VARCHAR(45)

Indexes
- fk_carriageContract_Customer1_idx
- missionNo_UNIQUE

Customers
- 🔶 customerIVA VARCHAR(45) NN
- ◇ CustomerName VARCHAR(45)

Indexes
- customerIVA_UNIQUE

Containers
- 🔶 missionNo INT NN
- ◇ containerNo INT
- ◇ contentType VARCHAR(45)
- ◇ ownerData VARCHAR(45)

Triggers
- AFT INSERT calculateMissionLoad
- AFT DELETE reCalculateMissionLoad

Routes
- 🔑 missionNo INT NN

Indexes
- PRIMARY

Points
- 🔶 missionNo INT NN
- ◇ coordinates VARCHAR(45)
- ◇ expectedCrossing DATETIME
- ◇ effectiveCrossing DATETIME

Ports
- 🔶 missionNo INT NN
- ◇ portCoordinates VARCHAR(45)
- ◇ departureArrival BINARY(2)
- ◇ PortingDate DATETIME
- ◇ effectivelyPorted BINARY(2) NN

Triggers
- BEF INSERT checkPortsNum

shipRoutines
- addOwnShip
- modifyOwnShip
- addRentalShip
- modifyRentalShip
- deleteOwnShip
- deleteRentalShip

6 routines

rentalRoutines
- addRentalCompany
- modifyRentalCompany
- deleteRentalCompany
- addRentalContract
- modifyRentalContract
- deleteRentalContract

6 routines

HR_Routines
- addCrewTypeAsso…
- modifyCrewTypeAs…
- deleteCrewTypeAs…
- addCrewTypeRole
- modifyCrewTypeRole
- deleteCrewTypeRole
- addEmployee
- modifyEmployee
- deleteEmployee

9 routines

carriageRoutines
- addCarriageContract
- modifyCarriageContra…
- deleteCarriageContra…
- addCustomer
- modifyCustomer
- deleteCustomer
- calculateTurnover

7 routines

missionRoutines
- checkMissionCount
- addMission
- modifyMission
- deleteMission
- addContainer
- modifyContainer
- deleteContainer
- chooseProperShip
- pickStaff
- detectCollision
- checkPersonnelNo
- setMissionValidity

12 routines

routeRoutines
- addRoute
- addPort
- addPoint
- modifyPoint
- modifyPort
- deleteRoute
- deletePort
- deletePoint
- triggerCrossing
- triggerEffectivePort…

10 routines

Relationship labels:
- fk_rentalShips_Ships1
- fk_ownShips_Ships1
- fk_rentalContracts_rentalCompanies1
- fk_rentalContracts_rentalShips1
- fk_wherePorted_Ships1
- fk_haveCrew_Ships1
- fk_Crews_haveCrew1
- fk_Missions_Ships1
- fk_haveStaff_Missions1
- fk_haveStaff_Employees1
- fk_Missions_carriageContracts1
- fk_carriageContract_Customer1
- fk_Loads_Missions1
- fk_Routes_Missions1
- fk_Points_Routes1
- fk_Ports_Routes1