commentrgb0.5,0.0,0.0 keywordrgb0.0,0.5,0.0 keywordtypergb0.38,0.25,0.125 keywordflowrgb0.88,0.5,0.0 preprocessorrgb0.5,0.38,0.125 stringliteralrgb0.0,0.125,0.25 charliteralrgb0.0,0.5,0.5 vhdldigitrgb1.0,0.0,1.0 vhdlkeywordrgb0.43,0.0,0.43 vhdllogicrgb1.0,0.0,0.0 vhdlcharrgb0.0,0.0,0.0

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2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Class Index

3.1 Class List

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Chapter 5

Namespace Documentation

5.1 Package cliente

Classes

- class Controller
- class ServiceLocator
- class VentanaCliente

5.2 Package servidor

Packages

- package DAO
- package data
- package gateways
- package remote
- package server
- package test

5.3 Package servidor.DAO

Classes

- class cocheDAO
- interface IcocheDAO

5.4 Package servidor.data

Classes

- class Album
- class Contacto
- class Destino
- class Posicion
- class Telemetrias

5.5 Package servidor.gateways

Classes

- class GatewayContactos
- class GatewayGPS
- class GatewayMusica
- interface IGatewayGPS

5.6 Package servidor.remote

Classes

- class FacadeGPS
- class FacadeOrdenadorAbordo
- class FacadeTelemetrias
- interface IFacadeGPS
- interface IFacadeOrdenadorAbordo
- interface IFacadeTelemetrias

5.7 Package servidor.server

Classes

- class CocheServer
- class CocheService

5.8 Package servidor.test

Classes

- class CocheServiceTest
- class PosicionTest
- class TelemetriasTest

5.9 Package servidorExterno

Packages

- package Contactos
- package GPS
- package Musica

5.10 Package servidorExterno.Contactos

Classes

- interface ILineaContactos
- class LineaContactos

5.11 Package servidorExterno.GPS

Classes

- class GPS
- class GPSservice

5.12 Package servidorExterno.Musica

Classes

- class Emisoras
- interface IEmisoras

Chapter 6

Class Documentation

6.1 servidor.data.Album Class Reference

Public Member Functions

- String getNomAlbum ()
- void setNomAlbum (String nomAlbum)
- ArrayList< String > getCanciones ()
- void setCanciones (ArrayList< String > canciones)
- Album (String nomAlbum, ArrayList< String > canciones)

6.1.1 Detailed Description

Definition at line 5 of file Album.java.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 Album()

```
servidor.data.Album.Album (
            String nomAlbum,
            ArrayList< String > canciones )
```

Definition at line 21 of file Album.java.

6.1.3 Member Function Documentation

6.1.3.1 getCanciones()

```
ArrayList<String> servidor.data.Album.getCanciones ( )
```

Definition at line 14 of file Album.java.

6.1.3.2 getNomAlbum()

```
String servidor.data.Album.getNomAlbum ( )
```

Definition at line 8 of file Album.java.

6.1.3.3 setCanciones()

```
void servidor.data.Album.setCanciones (
            ArrayList< String > canciones )
```

Definition at line 17 of file Album.java.

6.1.3.4 setNomAlbum()

```
void servidor.data.Album.setNomAlbum (
            String nomAlbum )
```

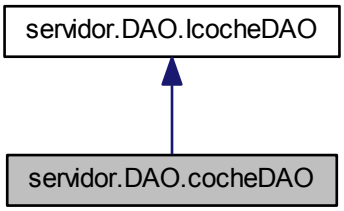
Definition at line 11 of file Album.java.

The documentation for this class was generated from the following file:

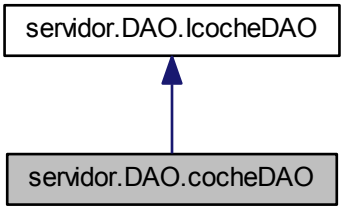
- src/main/java/servidor/data/Album.java

6.2 servidor.DAO.cocheDAO Class Reference

Inheritance diagram for servidor.DAO.cocheDAO:



Collaboration diagram for servidor.DAO.cocheDAO:



Public Member Functions

- cocheDAO ()
- List< Destino > getDestinos ()
- List< Album > getAlbums ()
- List< Contacto > getContactos ()
- void setDestinos (Destino destino)
- void setAlbums (Album album)
- void setContactos (Contacto contacto)

6.2.1 Detailed Description

Definition at line 17 of file cocheDAO.java.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 cocheDAO()

```
servidor.DAO.cocheDAO.cocheDAO ( )
```

Definition at line 21 of file cocheDAO.java.

6.2.3 Member Function Documentation

6.2.3.1 getAlbums()

```
List<Album> servidor.DAO.cocheDAO.getAlbums ( )
```

Implements servidor.DAO.IcocheDAO.

Definition at line 63 of file cocheDAO.java.

6.2.3.2 getContactos()

```
List<Contacto> servidor.DAO.cocheDAO.getContactos ( )
```

Implements servidor.DAO.IcocheDAO.

Definition at line 98 of file cocheDAO.java.

6.2.3.3 getDestinos()

```
List<Destino> servidor.DAO.cocheDAO.getDestinos ( )
```

Implements servidor.DAO.IcocheDAO.

Definition at line 27 of file cocheDAO.java.

6.2.3.4 setAlbums()

```
void servidor.DAO.cocheDAO.setAlbums (
            Album album )
```

Implements servidor.DAO.IcocheDAO.

Definition at line 158 of file cocheDAO.java.

6.2.3.5 setContactos()

```
void servidor.DAO.cocheDAO.setContactos (
            Contacto contacto )
```

Implements servidor.DAO.IcocheDAO.

Definition at line 181 of file cocheDAO.java.

6.2.3.6 setDestinos()

```
void servidor.DAO.cocheDAO.setDestinos (
            Destino destino )
```

Implements servidor.DAO.IcocheDAO.

Definition at line 135 of file cocheDAO.java.

The documentation for this class was generated from the following file:

- src/main/java/servidor/DAO/cocheDAO.java

6.3 servidor.server.CocheServer Class Reference

Static Public Member Functions

- static void main (String[ ] args)

6.3.1 Detailed Description

Definition at line 13 of file CocheServer.java.

6.3.2 Member Function Documentation

6.3.2.1 main()

```
static void servidor.server.CocheServer.main (
            String [] args )  [static]
```

Método para estar en linea esperando llamadas del cliente

Definition at line 19 of file CocheServer.java.

The documentation for this class was generated from the following file:

- src/main/java/servidor/server/CocheServer.java

6.4 servidor.server.CocheService Class Reference

Public Member Functions

- CocheService (String ipSocket, int puestoSocket)
- String getIpSocket ()
- int getPuestoSocket ()
- Telemetrias getTelemetrias ()
- int getBateria () throws RemoteException
- int getVelocidad () throws RemoteException
- int getNuevoKilometraje (int kilometrosNuevos) throws RemoteException
- Posicion getPosicionActualGPS (String contraseña) throws RemoteException

6.4.1 Detailed Description

Definition at line 9 of file CocheService.java.

6.4.2 Constructor & Destructor Documentation

6.4.2.1 CocheService()

```
servidor.server.CocheService.CocheService (
            String ipSocket,
            int puestoSocket )
```

Definition at line 16 of file CocheService.java.

6.4.3 Member Function Documentation

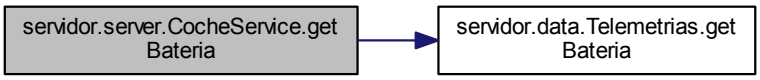
6.4.3.1 getBateria()

```
int servidor.server.CocheService.getBateria ( ) throws RemoteException
```

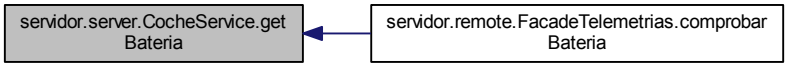
Método para devolver el estado actual de la bateria

Definition at line 39 of file CocheService.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.4.3.2 getIpSocket()

```
String servidor.server.CocheService.getIpSocket ( )
```

Definition at line 23 of file CocheService.java.

6.4.3.3 getNuevoKilometraje()

```
int servidor.server.CocheService.getNuevoKilometraje (
            int kilometrosNuevos ) throws RemoteException
```

Método para actualizar y devolver los kilometros recoridos =1mm

spread 0pt [l]|X[-1,l]|X[-1,l]**Parameters**

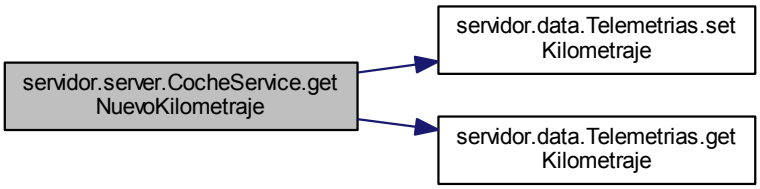
Parameters

---

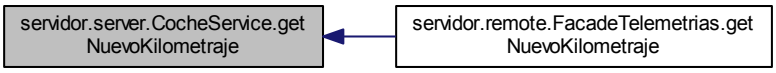
kilometrosNuevos int

Definition at line 53 of file CocheService.java.

Here is the call graph for this function:



Here is the caller graph for this function:



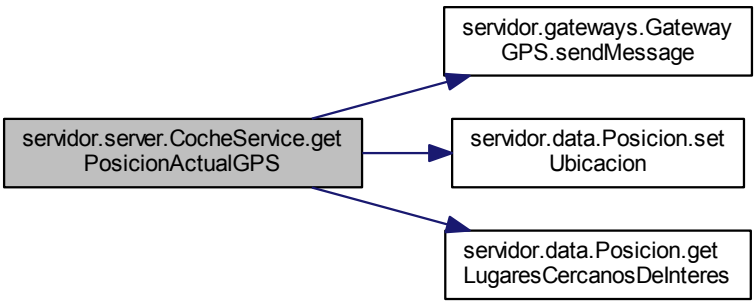
6.4.3.4 getPosicionActualGPS()

```
Posicion servidor.server.CocheService.getPosicionActualGPS (
            String contraseña ) throws RemoteException
```

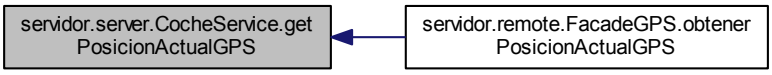
Método para actualizar y devolver la posicion actual

Definition at line 61 of file CocheService.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.4.3.5 getPuestoSocket()

```
int servidor.server.CocheService.getPuestoSocket ( )
```

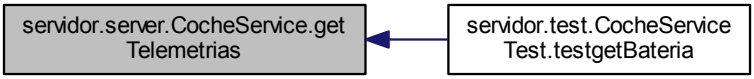
Definition at line 27 of file CocheService.java.

6.4.3.6 getTelemetrias()

```
Telemetrias servidor.server.CocheService.getTelemetrias ( )
```

Definition at line 31 of file CocheService.java.

Here is the caller graph for this function:



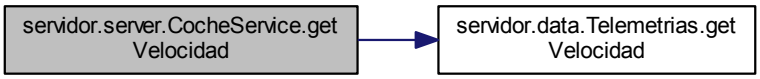
6.4.3.7 getVelocidad()

```
int servidor.server.CocheService.getVelocidad ( ) throws RemoteException
```

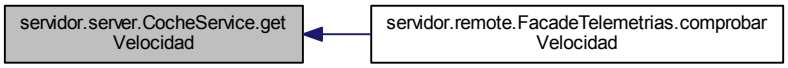
Método para devolver la velocidad a a que circulamos actualmente

Definition at line 46 of file CocheService.java.

Here is the call graph for this function:



Here is the caller graph for this function:

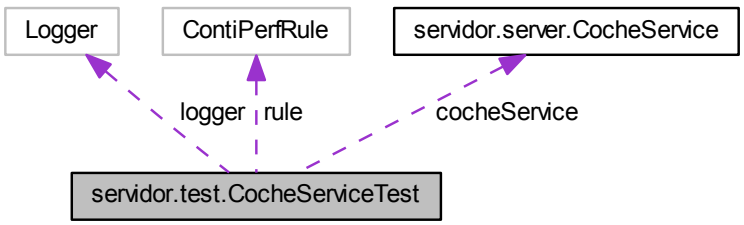


The documentation for this class was generated from the following file:

- src/main/java/servidor/server/CocheService.java

6.5 servidor.test.CocheServiceTest Class Reference

Collaboration diagram for servidor.test.CocheServiceTest:



Public Member Functions

- void setUp ()
- void testgetBateria () throws Exception
- void testgetVelocidad () throws Exception
- void testgetNuevoKilometraje () throws Exception
- void testgetPosicionActualGPS () throws Exception
- void testgetIpSocket () throws Exception
- void testgetPuestoSocket () throws Exception
- void testgetTelemetrias () throws Exception

Static Public Member Functions

- static junit.framework.Test suite ()

Public Attributes

- ContiPerfRule rule = new ContiPerfRule()

6.5.1 Detailed Description

Definition at line 28 of file CocheServiceTest.java.

6.5.2 Member Function Documentation

6.5.2.1 setUp()

```
void servidor.test.CocheServiceTest.setUp ( )
```

Definition at line 39 of file CocheServiceTest.java.

6.5.2.2 suite()

```
static junit.framework.Test servidor.test.CocheServiceTest.suite ( )  [static]
```

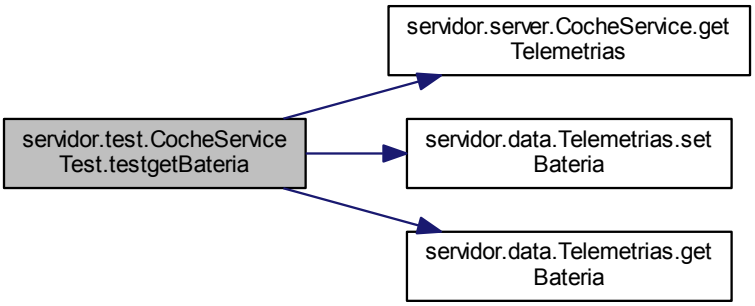
Definition at line 36 of file CocheServiceTest.java.

6.5.2.3 testgetBateria()

```
void servidor.test.CocheServiceTest.testgetBateria ( ) throws Exception
```

Definition at line 48 of file CocheServiceTest.java.

Here is the call graph for this function:



6.5.2.4 testgetIpSocket()

```
void servidor.test.CocheServiceTest.testgetIpSocket ( ) throws Exception
```

Definition at line 77 of file CocheServiceTest.java.

6.5.2.5 testgetNuevoKilometraje()

```
void servidor.test.CocheServiceTest.testgetNuevoKilometraje ( ) throws Exception
```

Definition at line 61 of file CocheServiceTest.java.

6.5.2.6 testgetPosicionActualGPS()

```
void servidor.test.CocheServiceTest.testgetPosicionActualGPS ( ) throws Exception
```

Definition at line 67 of file CocheServiceTest.java.

6.5.2.7 testgetPuestoSocket()

```
void servidor.test.CocheServiceTest.testgetPuestoSocket ( ) throws Exception
```

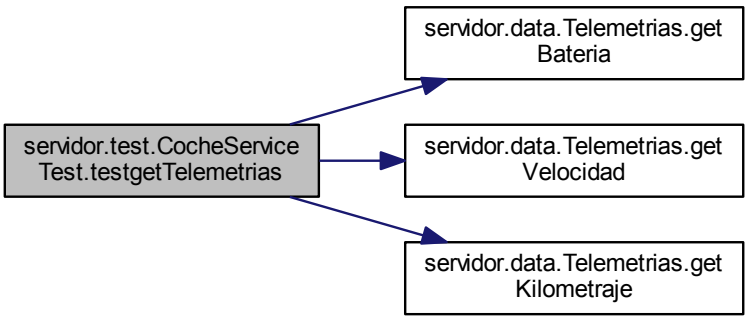
Definition at line 82 of file CocheServiceTest.java.

6.5.2.8 testgetTelemetrias()

```
void servidor.test.CocheServiceTest.testgetTelemetrias ( ) throws Exception
```

Definition at line 87 of file CocheServiceTest.java.

Here is the call graph for this function:



6.5.2.9 testgetVelocidad()

```
void servidor.test.CocheServiceTest.testgetVelocidad ( ) throws Exception
```

Definition at line 55 of file CocheServiceTest.java.

6.5.3 Member Data Documentation

6.5.3.1 rule

```
ContiPerfRule servidor.test.CocheServiceTest.rule = new ContiPerfRule()
```

Definition at line 32 of file CocheServiceTest.java.

The documentation for this class was generated from the following file:

- src/main/java/servidor/test/CocheServiceTest.java

6.6 servidor.data.Contacto Class Reference

Public Member Functions

- String getNomContacto ()
- void setNomContacto (String nomContacto)
- int getNumContacto ()
- void setNumContacto (int numContacto)
- Contacto (String nomContacto, int numContacto)

6.6.1 Detailed Description

Definition at line 3 of file Contacto.java.

6.6.2 Constructor & Destructor Documentation

6.6.2.1 Contacto()

```
servidor.data.Contacto.Contacto (
            String nomContacto,
            int numContacto )
```

Definition at line 19 of file Contacto.java.

6.6.3 Member Function Documentation

6.6.3.1 getNomContacto()

```
String servidor.data.Contacto.getNomContacto ( )
```

Definition at line 6 of file Contacto.java.

6.6.3.2 getNumContacto()

```
int servidor.data.Contacto.getNumContacto ( )
```

Definition at line 12 of file Contacto.java.

6.6.3.3 setNomContacto()

```
void servidor.data.Contacto.setNomContacto (
            String nomContacto )
```

Definition at line 9 of file Contacto.java.

6.6.3.4 setNumContacto()

```
void servidor.data.Contacto.setNumContacto (
            int numContacto )
```

Definition at line 15 of file Contacto.java.

The documentation for this class was generated from the following file:

- src/main/java/servidor/data/Contacto.java

6.7 cliente.Controller Class Reference

Public Member Functions

- Controller (String[ ] args) throws RemoteException
- void exit ()
- void comprobarBateria ()
- void comprobarVelocidad ()
- void obtenerNuevoKilometraje (int nuevosKilometrosRecorridos)
- void obtenerPosicionActualGPS (String contraseña)

Static Public Member Functions

- static void main (String[ ]args) throws RemoteException

6.7.1 Detailed Description

Definition at line 10 of file Controller.java.

6.7.2 Constructor & Destructor Documentation

6.7.2.1 Controller()

```
cliente.Controller.Controller (
            String [] args ) throws RemoteException
```

Relaciona la aplicación con el ServiceLocator y abre la ventana =1mm

spread 0pt [l]|X[-1,l]|X[-1,l]**Parameters**

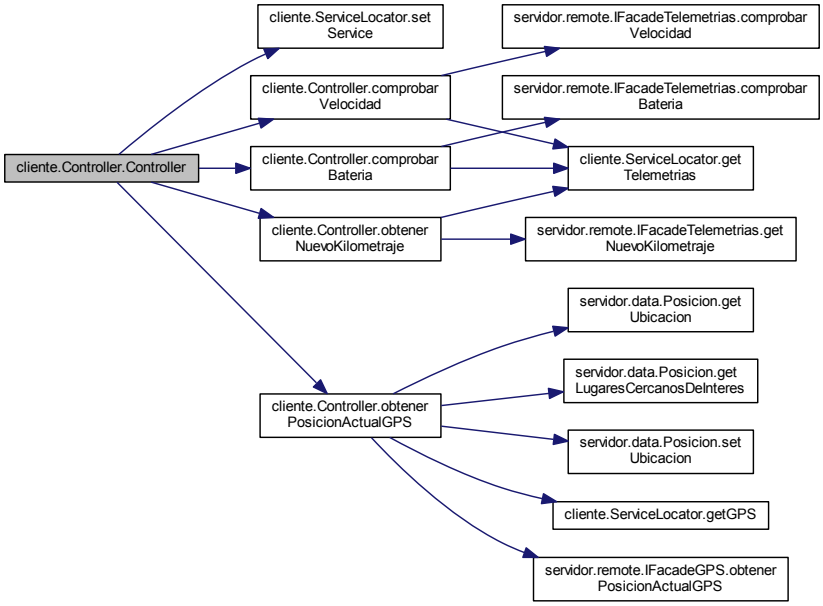
Parameters

---

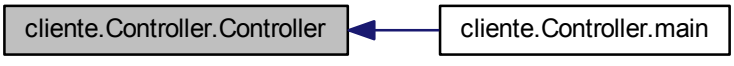
args String[]

Definition at line 19 of file Controller.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.7.3 Member Function Documentation

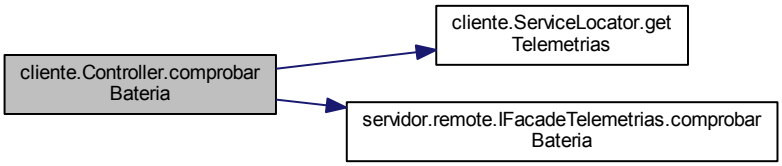
6.7.3.1 comprobarBateria()

```
void cliente.Controller.comprobarBateria ( )
```

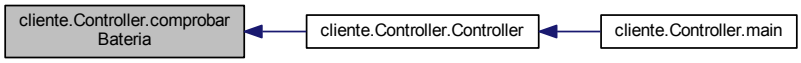
Hace una llamada al service locator para que conecte con el servidor y mire la bateria

Definition at line 46 of file Controller.java.

Here is the call graph for this function:



Here is the caller graph for this function:



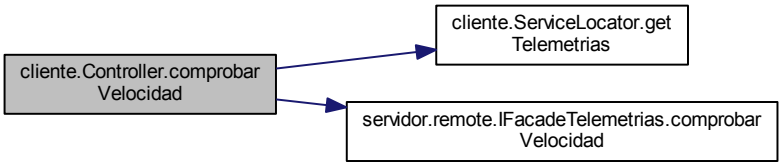
6.7.3.2 comprobarVelocidad()

```
void cliente.Controller.comprobarVelocidad ( )
```

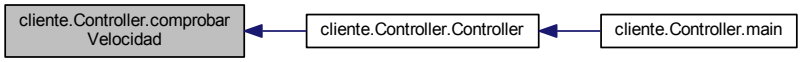
Hace una llamada al service locator para que conecte con el servidor y mire la velocidad

Definition at line 66 of file Controller.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.7.3.3 exit()

```
void cliente.Controller.exit ( )
```

Cierra la conexión con el servidor

Definition at line 37 of file Controller.java.

6.7.3.4 main()

```
static void cliente.Controller.main (
            String [] args ) throws RemoteException  [static]
```

Método principal

=1mm

spread 0pt [l]|X[-1,l]|X[-1,l]**Parameters**

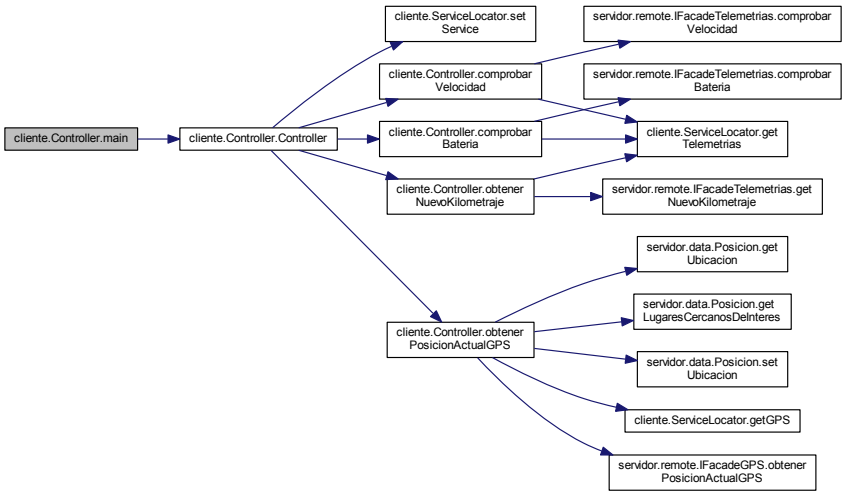
Parameters

---

args String[]

Definition at line 137 of file Controller.java.

Here is the call graph for this function:



6.7.3.5 obtenerNuevoKilometraje()

```
void cliente.Controller.obtenerNuevoKilometraje (
            int nuevosKilometrosRecorridos )
```

Hace una llamada al service locator para que conecte con el servidor , actualiza los kilometros recorridos y se los muestra =1mm

spread 0pt [l]|X[-1,l]|X[-1,l]**Parameters**

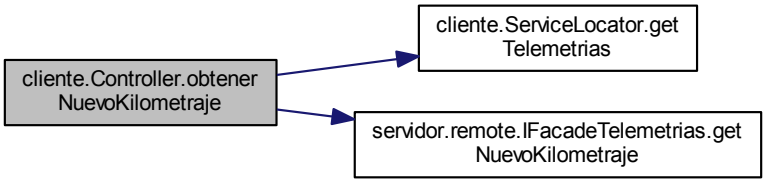
Parameters

---

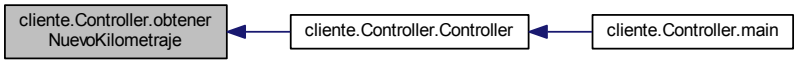
nuevosKilometrosRecorridos int

Definition at line 89 of file Controller.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.7.3.6 obtenerPosicionActualGPS()

```
void cliente.Controller.obtenerPosicionActualGPS (
            String contraseña )
```

Hace una llamada al service locator para que conecte con el servidor y mire la posicion actual =1mm

spread 0pt [l]|X[-1,l]|X[-1,l]**Parameters**

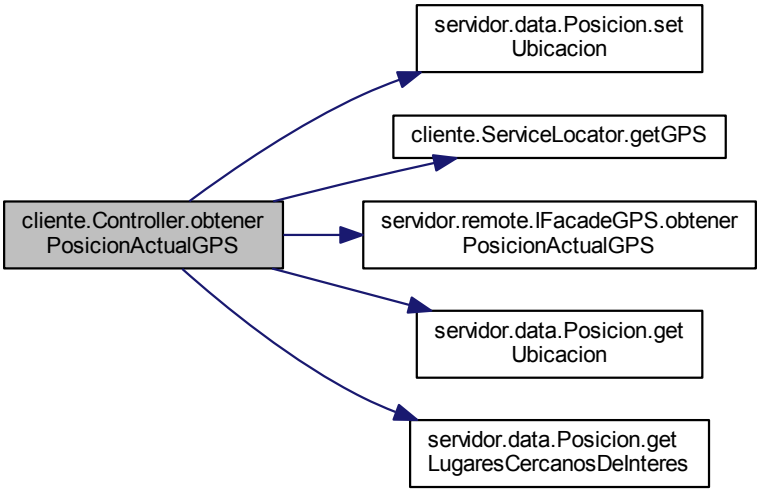
Parameters

---

contraseña String

Definition at line 110 of file Controller.java.

Here is the call graph for this function:



Here is the caller graph for this function:

The documentation for this class was generated from the following file:

- src/main/java/cliente/Controller.java

6.8 servidor.data.Destino Class Reference

Public Member Functions

- String getNom_dest ()
- void setNom_dest (String nomDest)
- String getCoordenadas ()
- void setCoordenadas (String coordenadas)
- Destino (String nomDest, String coordenadas)

6.8.1 Detailed Description

Definition at line 4 of file Destino.java.

6.8.2 Constructor & Destructor Documentation

6.8.2.1 Destino()

```
servidor.data.Destino.Destino (
            String nomDest,
            String coordenadas )
```

Definition at line 21 of file Destino.java.

6.8.3 Member Function Documentation

6.8.3.1 getCoordenadas()

```
String servidor.data.Destino.getCoordenadas ( )
```

Definition at line 14 of file Destino.java.

6.8.3.2 getNom_dest()

```
String servidor.data.Destino.getNom_dest ( )
```

Definition at line 8 of file Destino.java.

6.8.3.3 setCoordenadas()

```
void servidor.data.Destino.setCoordenadas (
            String coordenadas )
```

Definition at line 17 of file Destino.java.

6.8.3.4 setNom_dest()

```
void servidor.data.Destino.setNom_dest (
            String nomDest )
```

Definition at line 11 of file Destino.java.

The documentation for this class was generated from the following file:

- src/main/java/servidor/data/Destino.java

6.9 servidorExterno.Musica.Emisoras Class Reference

6.9.1 Detailed Description

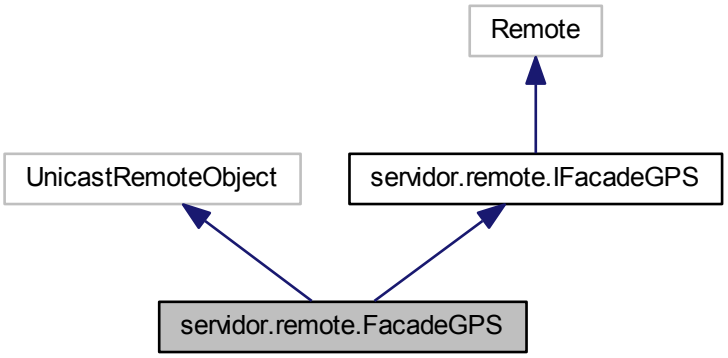
Definition at line 3 of file Emisoras.java.

The documentation for this class was generated from the following file:

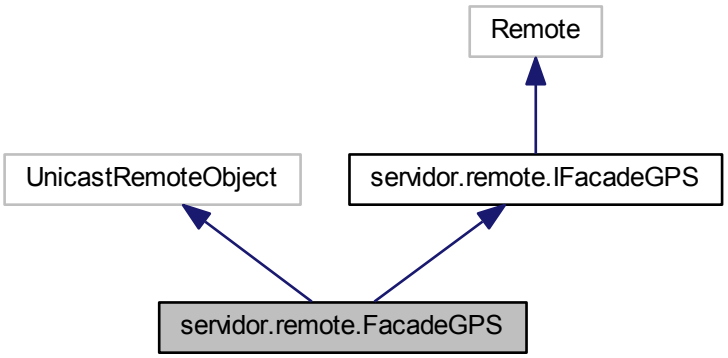
- src/main/java/servidorExterno/Musica/Emisoras.java

6.10 servidor.remote.FacadeGPS Class Reference

Inheritance diagram for servidor.remote.FacadeGPS:



Collaboration diagram for servidor.remote.FacadeGPS:



Public Member Functions

- FacadeGPS (CocheService progServ) throws RemoteException
- String obtenerPosicionActualGPS (String contraseña) throws RemoteException

6.10.1 Detailed Description

Definition at line 9 of file FacadeGPS.java.

6.10.2 Constructor & Destructor Documentation

6.10.2.1 FacadeGPS()

```
servidor.remote.FacadeGPS.FacadeGPS (
            CocheService progServ ) throws RemoteException
```

Definition at line 13 of file FacadeGPS.java.

6.10.3 Member Function Documentation

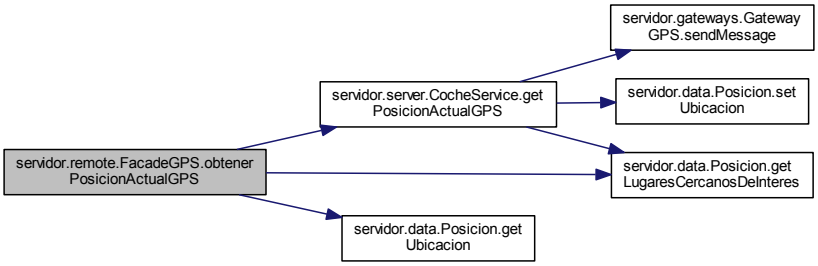
6.10.3.1 obtenerPosicionActualGPS()

```
String servidor.remote.FacadeGPS.obtenerPosicionActualGPS (
            String contraseña ) throws RemoteException
```

Implements servidor.remote.IFacadeGPS.

Definition at line 18 of file FacadeGPS.java.

Here is the call graph for this function:

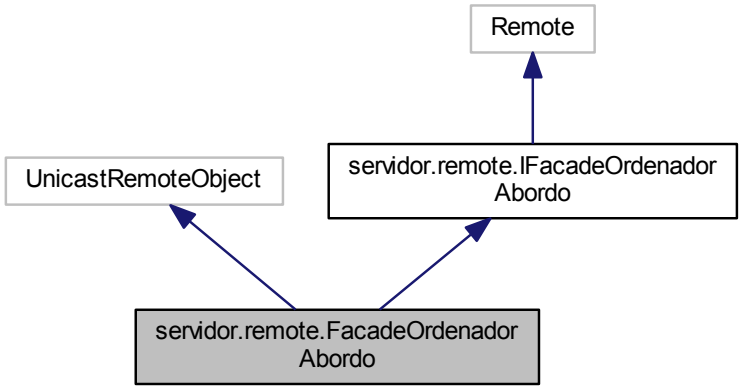


The documentation for this class was generated from the following file:

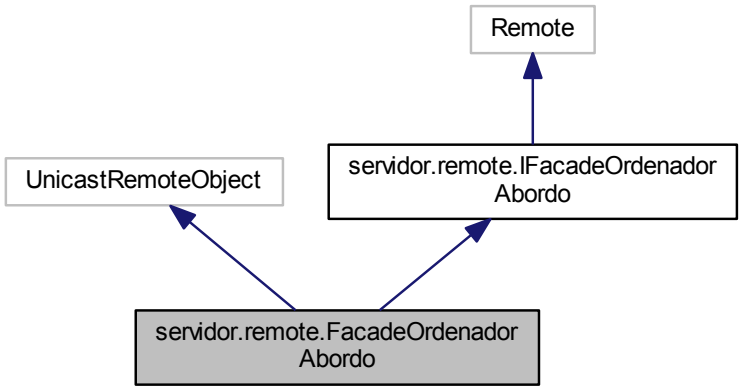
- src/main/java/servidor/remote/FacadeGPS.java

6.11 servidor.remote.FacadeOrdenadorAbordo Class Reference

Inheritance diagram for servidor.remote.FacadeOrdenadorAbordo:



Collaboration diagram for servidor.remote.FacadeOrdenadorAbordo:



Public Member Functions

- FacadeOrdenadorAbordo (CocheService progServ) throws RemoteException

6.11.1 Detailed Description

Definition at line 8 of file FacadeOrdenadorAbordo.java.

6.11.2 Constructor & Destructor Documentation

6.11.2.1 FacadeOrdenadorAbordo()

```
servidor.remote.FacadeOrdenadorAbordo.FacadeOrdenadorAbordo (
            CocheService progServ ) throws RemoteException
```

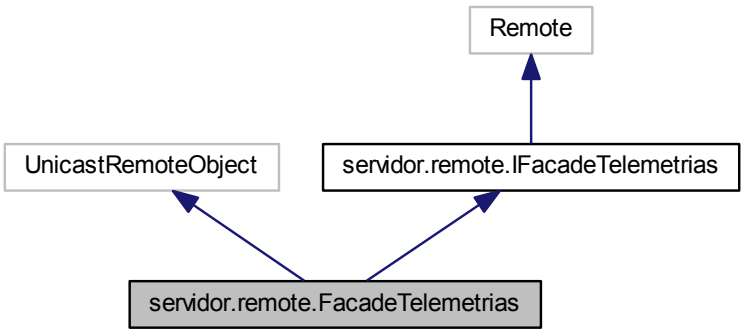
Definition at line 12 of file FacadeOrdenadorAbordo.java.

The documentation for this class was generated from the following file:

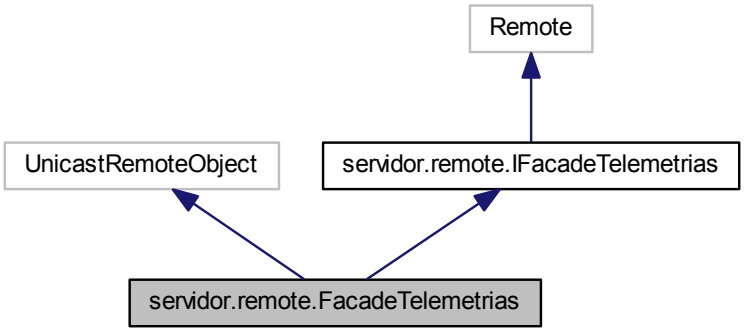
- src/main/java/servidor/remote/FacadeOrdenadorAbordo.java

6.12 servidor.remote.FacadeTelemetrias Class Reference

Inheritance diagram for servidor.remote.FacadeTelemetrias:



Collaboration diagram for servidor.remote.FacadeTelemetrias:



Public Member Functions

- FacadeTelemetrias (CocheService progServ) throws RemoteException
- int comprobarBateria () throws RemoteException
- int comprobarVelocidad () throws RemoteException
- int getNuevoKilometraje (int kilometrosNuevos) throws RemoteException

6.12.1 Detailed Description

Definition at line 10 of file FacadeTelemetrias.java.

6.12.2 Constructor & Destructor Documentation

6.12.2.1 FacadeTelemetrias()

```
servidor.remote.FacadeTelemetrias.FacadeTelemetrias (
            CocheService progServ ) throws RemoteException
```

Definition at line 14 of file FacadeTelemetrias.java.

6.12.3 Member Function Documentation

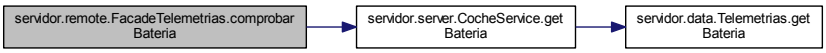
6.12.3.1 comprobarBateria()

```
int servidor.remote.FacadeTelemetrias.comprobarBateria ( ) throws RemoteException
```

Implements servidor.remote.IFacadeTelemetrias.

Definition at line 20 of file FacadeTelemetrias.java.

Here is the call graph for this function:



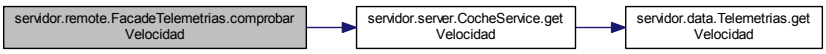
6.12.3.2 comprobarVelocidad()

```
int servidor.remote.FacadeTelemetrias.comprobarVelocidad ( ) throws RemoteException
```

Implements servidor.remote.IFacadeTelemetrias.

Definition at line 24 of file FacadeTelemetrias.java.

Here is the call graph for this function:



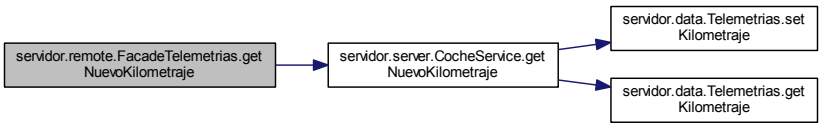
6.12.3.3 getNuevoKilometraje()

```
int servidor.remote.FacadeTelemetrias.getNuevoKilometraje (
            int kilometrosNuevos ) throws RemoteException
```

Implements servidor.remote.IFacadeTelemetrias.

Definition at line 28 of file FacadeTelemetrias.java.

Here is the call graph for this function:



The documentation for this class was generated from the following file:

- src/main/java/servidor/remote/FacadeTelemetrias.java

6.13 servidor.gateways.GatewayContactos Class Reference

6.13.1 Detailed Description

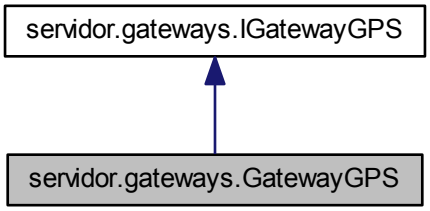
Definition at line 3 of file GatewayContactos.java.

The documentation for this class was generated from the following file:

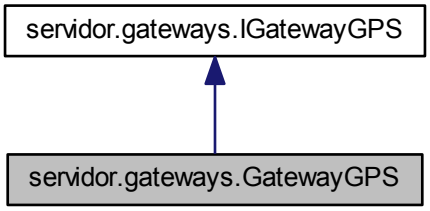
- src/main/java/servidor/gateways/GatewayContactos.java

6.14 servidor.gateways.GatewayGPS Class Reference

Inheritance diagram for servidor.gateways.GatewayGPS:



Collaboration diagram for servidor.gateways.GatewayGPS:



Public Member Functions

- GatewayGPS (String ip, int port)
- String sendMessage (String text)

6.14.1 Detailed Description

Definition at line 10 of file GatewayGPS.java.

6.14.2 Constructor & Destructor Documentation

6.14.2.1 GatewayGPS()

```
servidor.gateways.GatewayGPS.GatewayGPS (
            String ip,
            int port )
```

Definition at line 15 of file GatewayGPS.java.

6.14.3 Member Function Documentation

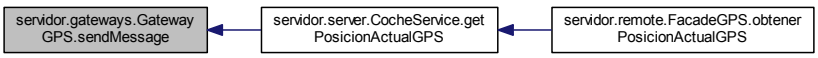
6.14.3.1 sendMessage()

```
String servidor.gateways.GatewayGPS.sendMessage (
            String text )
```

Implements servidor.gateways.IGatewayGPS.

Definition at line 20 of file GatewayGPS.java.

Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- src/main/java/servidor/gateways/GatewayGPS.java

6.15 servidor.gateways.GatewayMusica Class Reference

6.15.1 Detailed Description

Definition at line 3 of file GatewayMusica.java.

The documentation for this class was generated from the following file:

- src/main/java/servidor/gateways/GatewayMusica.java

6.16 servidorExterno.GPS.GPS Class Reference

Static Public Member Functions

- static void main (String args[ ])

6.16.1 Detailed Description

Definition at line 5 of file GPS.java.

6.16.2 Member Function Documentation

6.16.2.1 main()

```
static void servidorExterno.GPS.GPS.main (
            String args[] )  [static]
```

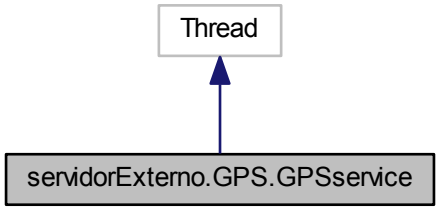
Definition at line 8 of file GPS.java.

The documentation for this class was generated from the following file:

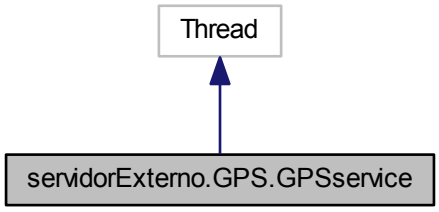
- src/main/java/servidorExterno/GPS/GPS.java

6.17 servidorExterno.GPS.GPSservice Class Reference

Inheritance diagram for servidorExterno.GPS.GPSservice:



Collaboration diagram for servidorExterno.GPS.GPSservice:



Public Member Functions

- GPSservice (Socket socket)
- void run ()
- String obtenerPosicion (String msg)

6.17.1 Detailed Description

Definition at line 9 of file GPSservice.java.

6.17.2 Constructor & Destructor Documentation

6.17.2.1 GPSservice()

```
servidorExterno.GPS.GPSservice.GPSservice (
            Socket socket )
```

Definition at line 15 of file GPSservice.java.

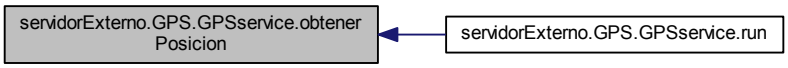
6.17.3 Member Function Documentation

6.17.3.1 obtenerPosicion()

```
String servidorExterno.GPS.GPSservice.obtenerPosicion (
            String msg )
```

Definition at line 52 of file GPSservice.java.

Here is the caller graph for this function:

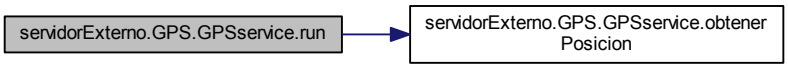


6.17.3.2 run()

```
void servidorExterno.GPS.GPSservice.run ( )
```

Definition at line 25 of file GPSservice.java.

Here is the call graph for this function:

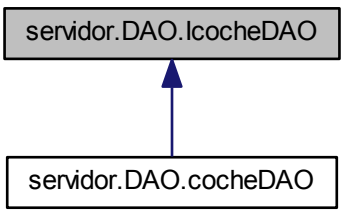


The documentation for this class was generated from the following file:

- src/main/java/servidorExterno/GPS/GPSservice.java

6.18 servidor.DAO.IcocheDAO Interface Reference

Inheritance diagram for servidor.DAO.IcocheDAO:



Public Member Functions

- List< Destino > getDestinos ()
- List< Album > getAlbums ()
- List< Contacto > getContactos ()
- void setDestinos (Destino destino)
- void setAlbums (Album album)
- void setContactos (Contacto contacto)

6.18.1 Detailed Description

Definition at line 9 of file IcocheDAO.java.

6.18.2 Member Function Documentation

6.18.2.1 getAlbums()

```
List<Album> servidor.DAO.IcocheDAO.getAlbums ( )
```

Implemented in servidor.DAO.cocheDAO.

6.18.2.2 getContactos()

```
List<Contacto> servidor.DAO.IcocheDAO.getContactos ( )
```

Implemented in servidor.DAO.cocheDAO.

6.18.2.3 getDestinos()

```
List<Destino> servidor.DAO.IcocheDAO.getDestinos ( )
```

Implemented in servidor.DAO.cocheDAO.

6.18.2.4 setAlbums()

```
void servidor.DAO.IcocheDAO.setAlbums (
            Album album )
```

Implemented in servidor.DAO.cocheDAO.

6.18.2.5 setContactos()

```
void servidor.DAO.IcocheDAO.setContactos (
            Contacto contacto )
```

Implemented in servidor.DAO.cocheDAO.

6.18.2.6 setDestinos()

```
void servidor.DAO.IcocheDAO.setDestinos (
            Destino destino )
```

Implemented in servidor.DAO.cocheDAO.

The documentation for this interface was generated from the following file:

- src/main/java/servidor/DAO/IcocheDAO.java

6.19 servidorExterno.Musica.IEmisoras Interface Reference

6.19.1 Detailed Description

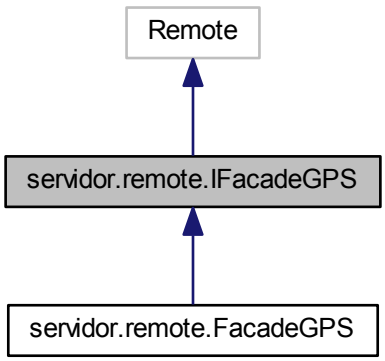
Definition at line 3 of file IEmisoras.java.

The documentation for this interface was generated from the following file:

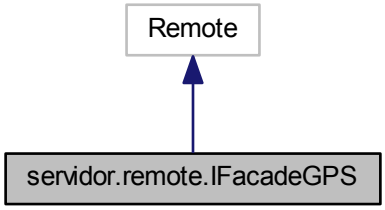
- src/main/java/servidorExterno/Musica/IEmisoras.java

6.20 servidor.remote.IFacadeGPS Interface Reference

Inheritance diagram for servidor.remote.IFacadeGPS:



Collaboration diagram for servidor.remote.IFacadeGPS:



Public Member Functions

- String obtenerPosicionActualGPS (String contraseña) throws RemoteException

6.20.1 Detailed Description

Definition at line 8 of file IFacadeGPS.java.

6.20.2 Member Function Documentation

6.20.2.1 obtenerPosicionActualGPS()

```
String servidor.remote.IFacadeGPS.obtenerPosicionActualGPS (
            String contraseña ) throws RemoteException
```

Implemented in servidor.remote.FacadeGPS.

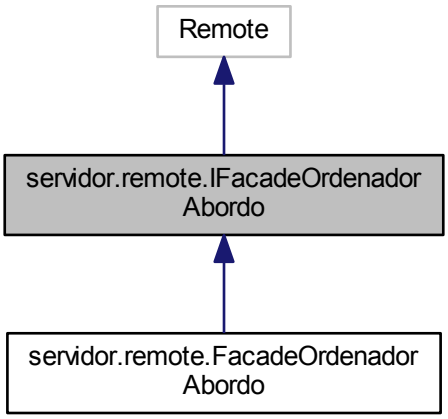
Here is the caller graph for this function:

The documentation for this interface was generated from the following file:

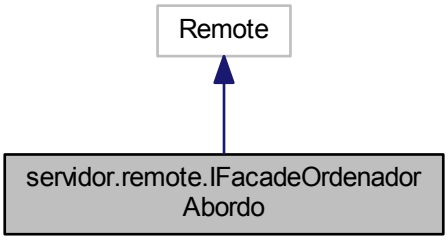
- src/main/java/servidor/remote/IFacadeGPS.java

6.21 servidor.remote.IFacadeOrdenadorAbordo Interface Reference

Inheritance diagram for servidor.remote.IFacadeOrdenadorAbordo:



Collaboration diagram for servidor.remote.IFacadeOrdenadorAbordo:



6.21.1 Detailed Description

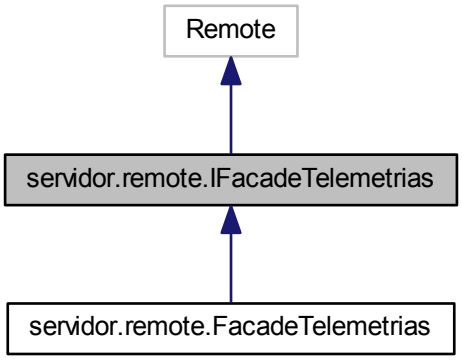
Definition at line 5 of file IFacadeOrdenadorAbordo.java.

The documentation for this interface was generated from the following file:

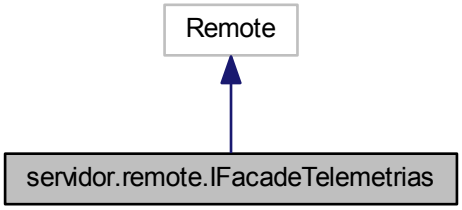
- src/main/java/servidor/remote/IFacadeOrdenadorAbordo.java

6.22 servidor.remote.IFacadeTelemetrias Interface Reference

Inheritance diagram for servidor.remote.IFacadeTelemetrias:



Collaboration diagram for servidor.remote.IFacadeTelemetrias:



Public Member Functions

- int comprobarBateria () throws RemoteException
- int comprobarVelocidad () throws RemoteException
- int getNuevoKilometraje (int kilometrosNuevos) throws RemoteException

6.22.1 Detailed Description

Definition at line 8 of file IFacadeTelemetrias.java.

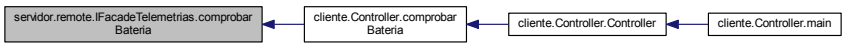
6.22.2 Member Function Documentation

6.22.2.1 comprobarBateria()

```
int servidor.remote.IFacadeTelemetrias.comprobarBateria ( ) throws RemoteException
```

Implemented in servidor.remote.FacadeTelemetrias.

Here is the caller graph for this function:

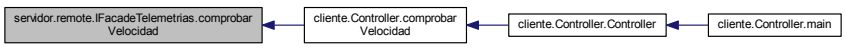


6.22.2.2 comprobarVelocidad()

```
int servidor.remote.IFacadeTelemetrias.comprobarVelocidad ( ) throws RemoteException
```

Implemented in servidor.remote.FacadeTelemetrias.

Here is the caller graph for this function:

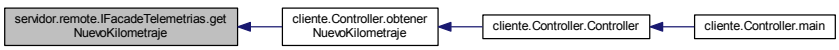


6.22.2.3 getNuevoKilometraje()

```
int servidor.remote.IFacadeTelemetrias.getNuevoKilometraje (
            int kilometrosNuevos ) throws RemoteException
```

Implemented in servidor.remote.FacadeTelemetrias.

Here is the caller graph for this function:

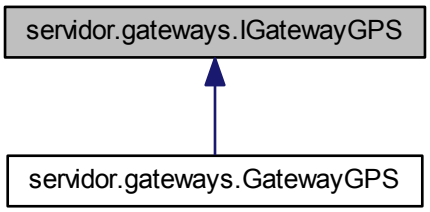


The documentation for this interface was generated from the following file:

- src/main/java/servidor/remote/IFacadeTelemetrias.java

6.23 servidor.gateways.IGatewayGPS Interface Reference

Inheritance diagram for servidor.gateways.IGatewayGPS:



Public Member Functions

- String sendMessage (String text)

6.23.1 Detailed Description

Definition at line 4 of file IGatewayGPS.java.

6.23.2 Member Function Documentation

6.23.2.1 sendMessage()

```
String servidor.gateways.IGatewayGPS.sendMessage (
            String text )
```

Implemented in servidor.gateways.GatewayGPS.

The documentation for this interface was generated from the following file:

- src/main/java/servidor/gateways/IGatewayGPS.java

6.24 servidorExterno.Contactos.ILineaContactos Interface Reference

6.24.1 Detailed Description

Definition at line 3 of file ILineaContactos.java.

The documentation for this interface was generated from the following file:

- src/main/java/servidorExterno/Contactos/ILineaContactos.java

6.25 servidorExterno.Contactos.LineaContactos Class Reference

6.25.1 Detailed Description

Definition at line 3 of file LineaContactos.java.

The documentation for this class was generated from the following file:

- src/main/java/servidorExterno/Contactos/LineaContactos.java

6.26 servidor.data.Posicion Class Reference

Public Member Functions

- Posicion ()
- Posicion (String ubicacion, String lugarInt1, String lugarInt2)
- String getUbicacion ()
- void setUbicacion (String ubicacion)
- ArrayList< String > getLugaresCercanosDeInteres ()
- void setLugaresCercanosDeInteres (ArrayList< String > lugaresCercanosDeInteres)

6.26.1 Detailed Description

Definition at line 5 of file Posicion.java.

6.26.2 Constructor & Destructor Documentation

6.26.2.1 Posicion() [1/2]

```
servidor.data.Posicion.Posicion ( )
```

Definition at line 8 of file Posicion.java.

6.26.2.2 Posicion() [2/2]

```
servidor.data.Posicion.Posicion (
            String ubicacion,
            String lugarInt1,
            String lugarInt2 )
```

Definition at line 11 of file Posicion.java.

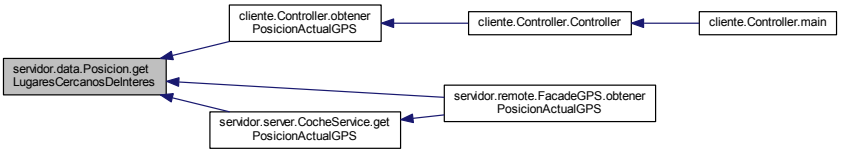
6.26.3 Member Function Documentation

6.26.3.1 getLugaresCercanosDeInteres()

```
ArrayList<String> servidor.data.Posicion.getLugaresCercanosDeInteres ( )
```

Definition at line 23 of file Posicion.java.

Here is the caller graph for this function:

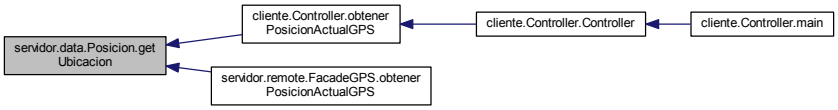


6.26.3.2 getUbicacion()

```
String servidor.data.Posicion.getUbicacion ( )
```

Definition at line 17 of file Posicion.java.

Here is the caller graph for this function:



6.26.3.3 setLugaresCercanosDeInteres()

```
void servidor.data.Posicion.setLugaresCercanosDeInteres (
            ArrayList< String > lugaresCercanosDeInteres )
```

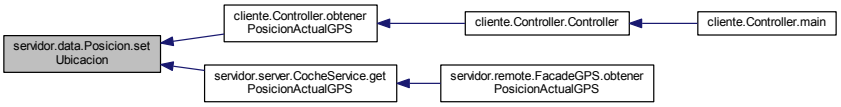
Definition at line 26 of file Posicion.java.

6.26.3.4 setUbicacion()

```
void servidor.data.Posicion.setUbicacion (
            String ubicacion )
```

Definition at line 20 of file Posicion.java.

Here is the caller graph for this function:

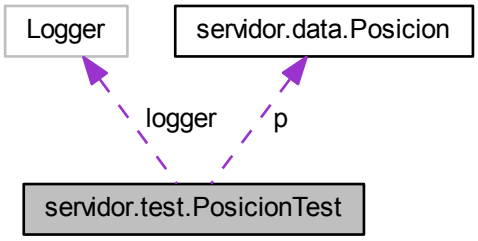


The documentation for this class was generated from the following file:

- src/main/java/servidor/data/Posicion.java

6.27 servidor.test.PosicionTest Class Reference

Collaboration diagram for servidor.test.PosicionTest:



Public Member Functions

- void setUp () throws Exception
- void test ()

6.27.1 Detailed Description

Definition at line 24 of file PosicionTest.java.

6.27.2 Member Function Documentation

6.27.2.1 setUp()

```
void servidor.test.PosicionTest.setUp ( ) throws Exception
```

Definition at line 28 of file PosicionTest.java.

6.27.2.2 test()

```
void servidor.test.PosicionTest.test ( )
```

Definition at line 36 of file PosicionTest.java.

The documentation for this class was generated from the following file:

- src/main/java/servidor/test/PosicionTest.java

6.28 cliente.ServiceLocator Class Reference

Public Member Functions

- ServiceLocator ()
- void setService (String ip, String port, String serviceName1, String serviceName2, String serviceName3)
- IFacadeTelemetrias getTelemetrias ()
- IFacadeGPS getGPS ()
- IFacadeOrdenadorAbordo getOrdenadorAbordo ()

6.28.1 Detailed Description

Definition at line 7 of file ServiceLocator.java.

6.28.2 Constructor & Destructor Documentation

6.28.2.1 ServiceLocator()

```
cliente.ServiceLocator.ServiceLocator ( )
```

Definition at line 13 of file ServiceLocator.java.

6.28.3 Member Function Documentation

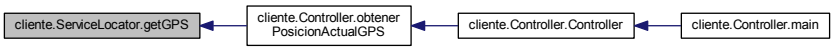
6.28.3.1 getGPS()

```
IFacadeGPS cliente.ServiceLocator.getGPS ( )
```

Método para acceder a la interfaz 2 del servidor

Definition at line 68 of file ServiceLocator.java.

Here is the caller graph for this function:



6.28.3.2 getOrdenadorAbordo()

```
IFacadeOrdenadorAbordo cliente.ServiceLocator.getOrdenadorAbordo ( )
```

Método para acceder a la interfaz 3 del servidor

Definition at line 75 of file ServiceLocator.java.

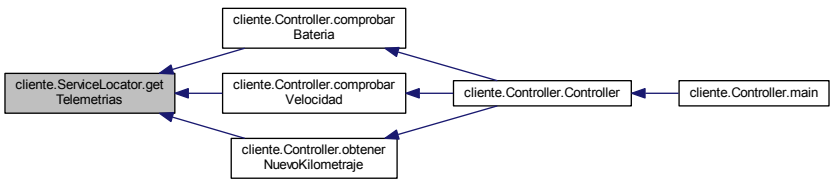
6.28.3.3 getTelemetrias()

```
IFacadeTelemetrias cliente.ServiceLocator.getTelemetrias ( )
```

Método para acceder a la interfaz 1 del servidor

Definition at line 61 of file ServiceLocator.java.

Here is the caller graph for this function:



6.28.3.4 setService()

```
void cliente.ServiceLocator.setService (
            String ip,
            String port,
            String serviceName1,
            String serviceName2,
            String serviceName3 )
```

Método para conectarse a las interfaces del servidor

=1mm

spread 0pt [l]|X[-1,l]|X[-1,l]**Parameters**

Parameters

---

ip String

---

port String

---

serviceName1 String

---

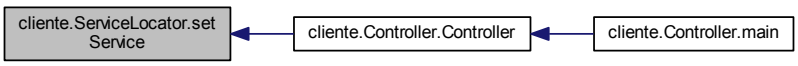
serviceName2 String

---

serviceName3 String

Definition at line 24 of file ServiceLocator.java.

Here is the caller graph for this function:



The documentation for this class was generated from the following file:

- src/main/java/cliente/ServiceLocator.java

6.29 servidor.data.Telemetrias Class Reference

Public Member Functions

- Telemetrias ()
- int getBateria ()
- void setBateria (int bateria)
- int getVelocidad ()
- void setVelocidad (int velocidad)
- int getKilometraje ()
- void setKilometraje (int kilometraje)

6.29.1 Detailed Description

Definition at line 5 of file Telemetrias.java.

6.29.2 Constructor & Destructor Documentation

6.29.2.1 Telemetrias()

```
servidor.data.Telemetrias.Telemetrias ( )
```

Definition at line 9 of file Telemetrias.java.

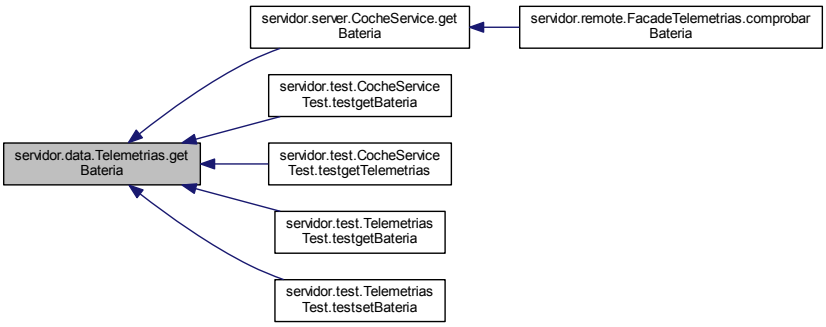
6.29.3 Member Function Documentation

6.29.3.1 getBateria()

```
int servidor.data.Telemetrias.getBateria ( )
```

Definition at line 34 of file Telemetrias.java.

Here is the caller graph for this function:

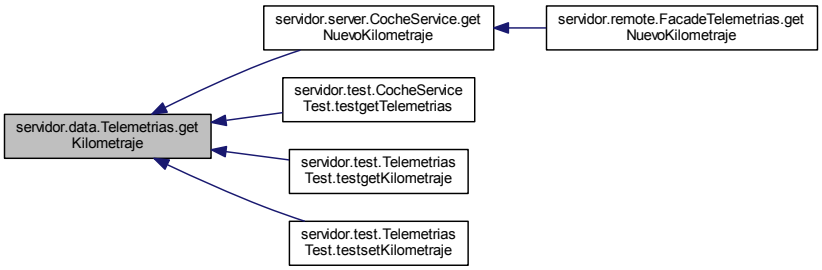


6.29.3.2 getKilometraje()

```
int servidor.data.Telemetrias.getKilometraje ( )
```

Definition at line 46 of file Telemetrias.java.

Here is the caller graph for this function:

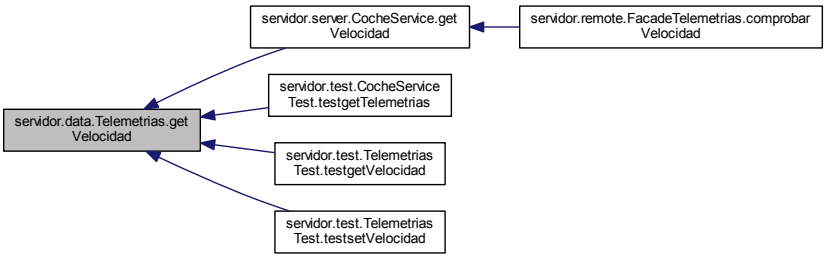


6.29.3.3 getVelocidad()

```
int servidor.data.Telemetrias.getVelocidad ( )
```

Definition at line 40 of file Telemetrias.java.

Here is the caller graph for this function:

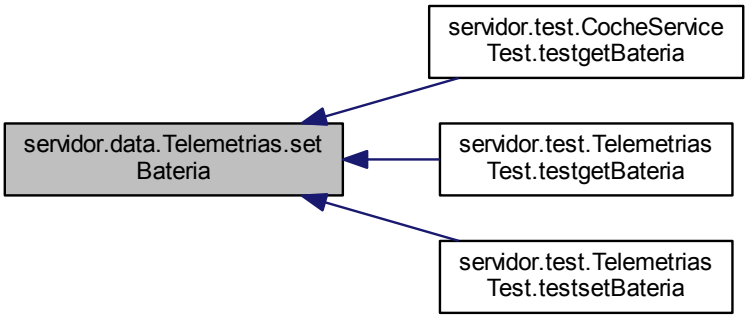


6.29.3.4 setBateria()

```
void servidor.data.Telemetrias.setBateria (
            int bateria )
```

Definition at line 37 of file Telemetrias.java.

Here is the caller graph for this function:

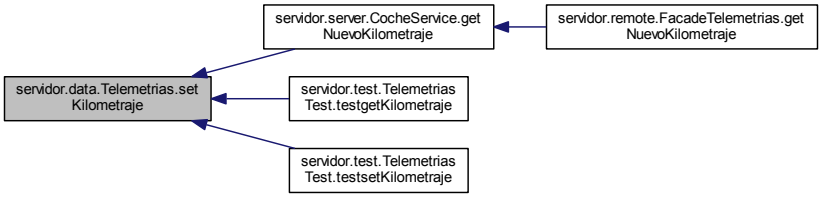


6.29.3.5 setKilometraje()

```
void servidor.data.Telemetrias.setKilometraje (
            int kilometraje )
```

Definition at line 49 of file Telemetrias.java.

Here is the caller graph for this function:

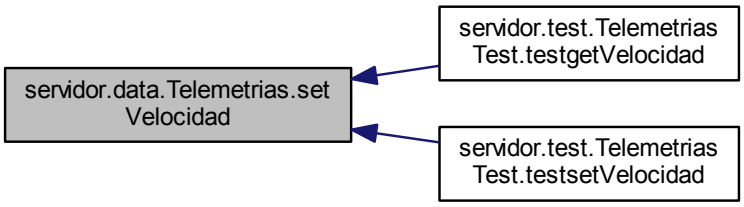


6.29.3.6 setVelocidad()

```
void servidor.data.Telemetrias.setVelocidad (
            int velocidad )
```

Definition at line 43 of file Telemetrias.java.

Here is the caller graph for this function:

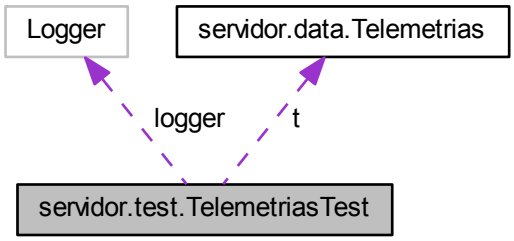


The documentation for this class was generated from the following file:

- src/main/java/servidor/data/Telemetrias.java

6.30 servidor.test.TelemetriasTest Class Reference

Collaboration diagram for servidor.test.TelemetriasTest:



Public Member Functions

- void setUp () throws Exception
- void testgetBateria () throws Exception
- void testgetVelocidad () throws Exception
- void testgetKilometraje () throws Exception
- void testsetBateria () throws Exception
- void testsetVelocidad () throws Exception
- void testsetKilometraje () throws Exception

6.30.1 Detailed Description

Definition at line 25 of file TelemetriasTest.java.

6.30.2 Member Function Documentation

6.30.2.1 setUp()

```
void servidor.test.TelemetriasTest.setUp ( ) throws Exception
```

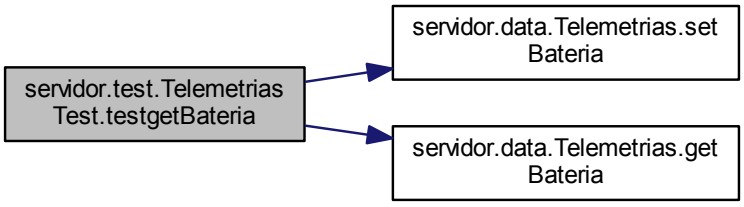
Definition at line 29 of file TelemetriasTest.java.

6.30.2.2 testgetBateria()

```
void servidor.test.TelemetriasTest.testgetBateria ( ) throws Exception
```

Definition at line 35 of file TelemetriasTest.java.

Here is the call graph for this function:

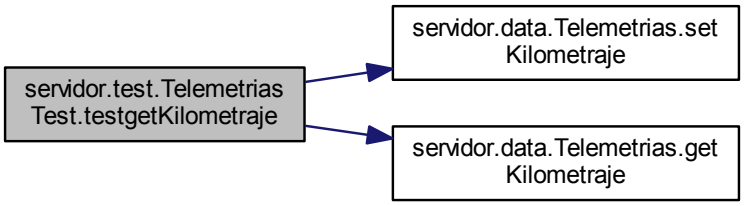


6.30.2.3 testgetKilometraje()

```
void servidor.test.TelemetriasTest.testgetKilometraje ( ) throws Exception
```

Definition at line 47 of file TelemetriasTest.java.

Here is the call graph for this function:

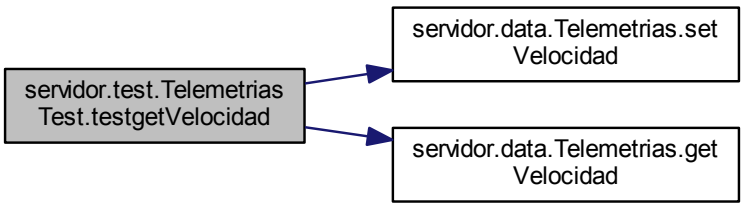


6.30.2.4 testgetVelocidad()

```
void servidor.test.TelemetriasTest.testgetVelocidad ( ) throws Exception
```

Definition at line 41 of file TelemetriasTest.java.

Here is the call graph for this function:

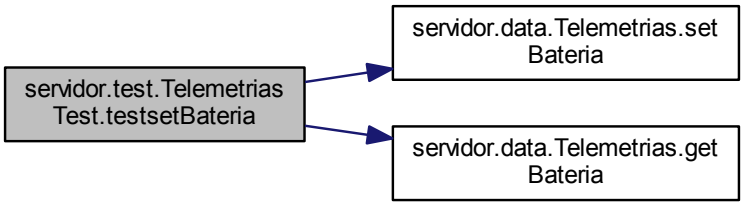


6.30.2.5 testsetBateria()

```
void servidor.test.TelemetriasTest.testsetBateria ( ) throws Exception
```

Definition at line 53 of file TelemetriasTest.java.

Here is the call graph for this function:

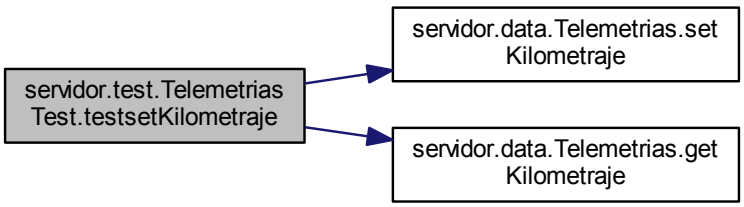


6.30.2.6 testsetKilometraje()

```
void servidor.test.TelemetriasTest.testsetKilometraje ( ) throws Exception
```

Definition at line 65 of file TelemetriasTest.java.

Here is the call graph for this function:

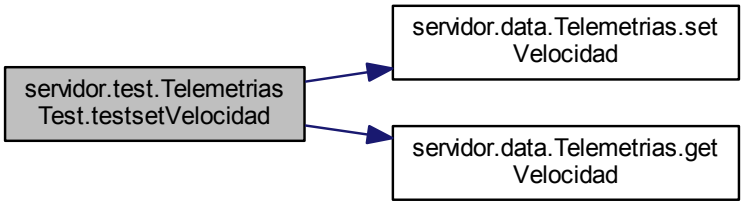


6.30.2.7 testsetVelocidad()

```
void servidor.test.TelemetriasTest.testsetVelocidad ( ) throws Exception
```

Definition at line 59 of file TelemetriasTest.java.

Here is the call graph for this function:

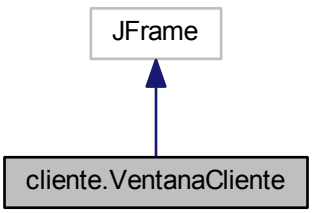


The documentation for this class was generated from the following file:

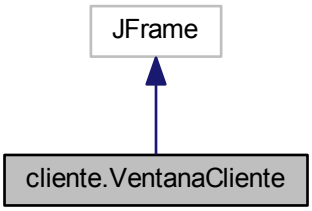
- src/main/java/servidor/test/TelemetriasTest.java

6.31 cliente.VentanaCliente Class Reference

Inheritance diagram for cliente.VentanaCliente:



Collaboration diagram for cliente.VentanaCliente:



Public Member Functions

- VentanaCliente (Controller controller)

Static Public Member Functions

- static void main (final String[ ] args)

6.31.1 Detailed Description

Definition at line 6 of file VentanaCliente.java.

6.31.2 Constructor & Destructor Documentation

6.31.2.1 VentanaCliente()

```
cliente.VentanaCliente.VentanaCliente (
            Controller controller )
```

Create the frame.

Definition at line 18 of file VentanaCliente.java.

6.31.3 Member Function Documentation

6.31.3.1 main()

```
static void cliente.VentanaCliente.main (
            final String [] args )  [static]
```

Launch the application.

Definition at line 11 of file VentanaCliente.java.

The documentation for this class was generated from the following file:

- src/main/java/cliente/VentanaCliente.java

Chapter 7

File Documentation

7.1 src/main/java/cliente/Controller.java File Reference

Classes

- class cliente.Controller

Packages

- package cliente

7.2 src/main/java/cliente/ServiceLocator.java File Reference

Classes

- class cliente.ServiceLocator

Packages

- package cliente

7.3 src/main/java/cliente/VentanaCliente.java File Reference

Classes

- class cliente.VentanaCliente

Packages

- package cliente

7.4 src/main/java/servidor/DAO/cocheDAO.java File Reference

Classes

- class servidor.DAO.cocheDAO

Packages

- package servidor.DAO

7.5 src/main/java/servidor/DAO/IcocheDAO.java File Reference

Classes

- interface servidor.DAO.IcocheDAO

Packages

- package servidor.DAO

7.6 src/main/java/servidor/data/Album.java File Reference

Classes

- class servidor.data.Album

Packages

- package servidor.data

7.7 src/main/java/servidor/data/Contacto.java File Reference

Classes

- class servidor.data.Contacto

Packages

- package servidor.data

7.8 src/main/java/servidor/data/Destino.java File Reference

Classes

- class servidor.data.Destino

Packages

- package servidor.data

7.9 src/main/java/servidor/data/Posicion.java File Reference

Classes

- class servidor.data.Posicion

Packages

- package servidor.data

7.10 src/main/java/servidor/data/Telemetrias.java File Reference

Classes

- class servidor.data.Telemetrias

Packages

- package servidor.data

7.11 src/main/java/servidor/gateways/GatewayContactos.java File Reference

Classes

- class servidor.gateways.GatewayContactos

Packages

- package servidor.gateways

7.12 src/main/java/servidor/gateways/GatewayGPS.java File Reference

Classes

- class servidor.gateways.GatewayGPS

Packages

- package servidor.gateways

7.13 src/main/java/servidor/gateways/GatewayMusica.java File Reference

Classes

- class servidor.gateways.GatewayMusica

Packages

- package servidor.gateways

7.14 src/main/java/servidor/gateways/IGatewayGPS.java File Reference

Classes

- interface servidor.gateways.IGatewayGPS

Packages

- package servidor.gateways

7.15 src/main/java/servidor/remote/FacadeGPS.java File Reference

Classes

- class servidor.remote.FacadeGPS

Packages

- package servidor.remote

7.16 src/main/java/servidor/remote/FacadeOrdenadorAbordo.java File Reference

Classes

- class servidor.remote.FacadeOrdenadorAbordo

Packages

- package servidor.remote

7.17 src/main/java/servidor/remote/FacadeTelemetrias.java File Reference

Classes

- class servidor.remote.FacadeTelemetrias

Packages

- package servidor.remote

7.18 src/main/java/servidor/remote/IFacadeGPS.java File Reference

Classes

- interface servidor.remote.IFacadeGPS

Packages

- package servidor.remote

7.19 src/main/java/servidor/remote/IFacadeOrdenadorAbordo.java File Reference

Classes

- interface servidor.remote.IFacadeOrdenadorAbordo

Packages

- package servidor.remote

7.20 src/main/java/servidor/remote/IFacadeTelemetrias.java File Reference

Classes

- interface servidor.remote.IFacadeTelemetrias

Packages

- package servidor.remote

7.21 src/main/java/servidor/server/CocheServer.java File Reference

Classes

- class servidor.server.CocheServer

Packages

- package servidor.server

7.22 src/main/java/servidor/server/CocheService.java File Reference

Classes

- class servidor.server.CocheService

Packages

- package servidor.server

7.23 src/main/java/servidor/test/CocheServiceTest.java File Reference

Classes

- class servidor.test.CocheServiceTest

Packages

- package servidor.test

7.24 src/main/java/servidor/test/PosicionTest.java File Reference

Classes

- class servidor.test.PosicionTest

Packages

- package servidor.test

7.25 src/main/java/servidor/test/TelemetriasTest.java File Reference

Classes

- class servidor.test.TelemetriasTest

Packages

- package servidor.test

7.26 src/main/java/servidorExterno/Contactos/ILineaContactos.java File Reference

Classes

- interface servidorExterno.Contactos.ILineaContactos

Packages

- package servidorExterno.Contactos

7.27 src/main/java/servidorExterno/Contactos/LineaContactos.java File Reference

Classes

- class servidorExterno.Contactos.LineaContactos

Packages

- package servidorExterno.Contactos

7.28 src/main/java/servidorExterno/GPS/GPS.java File Reference

Classes

- class servidorExterno.GPS.GPS

Packages

- package servidorExterno.GPS

7.29 src/main/java/servidorExterno/GPS/GPSservice.java File Reference

Classes

- class servidorExterno.GPS.GPSservice

Packages

- package servidorExterno.GPS

7.30 src/main/java/servidorExterno/Musica/Emisoras.java File Reference

Classes

- class servidorExterno.Musica.Emisoras

Packages

- package servidorExterno.Musica

7.31 src/main/java/servidorExterno/Musica/IEmisoras.java File Reference

Classes

- interface servidorExterno.Musica.IEmisoras

Packages

- package servidorExterno.Musica

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