

# BitDew User Guide

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Installation, Usage and Programming

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Gilles Fedak & Haiwu He

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# Chapter 1

## Quick Start

This is a short introduction to run the example in the BitDew source package. To know more about BitDew, its principles and architecture and what can it be used for, read the [Introduction](#).

### 1.1 Downloading and Building

Please Download BitDew from the BitDew web site <http://www.BitDew.net>

To install the BitDew software follow the steps :

1. deflate the BitDew archive
2. move in the BitDew directory

If you modify the source and if you need to compile again BitDew, run the following command :

```
./build.sh
```

The option to build every packages, including the stand-alone jar file is :

```
./build.sh release
```

You can look at all the available option for the build command in the module [Downloading and Compiling BitDew](#)

### 1.2 Running the tool

1. start a server. Open a terminal window and start the following command

```
java -jar bitdew-stand-alone.jar serv dc dt dr ds
```

to get everything about the command line utilities, please consult [Using BitDew](#)

## 1.3 Running the examples

Examples have similar structure : the example code is usually a client. You will need to execute the different services to be able to start the examples

1. start a server. Open a terminal window and start the following command

```
java -jar bitdew-stand-alone.jar serv dc dt dr ds
```

2. start the example

```
java -cp bitdew-stand-alone.jar xtremweb.role.examples.HelloWorld localhost
```

3. Please, consult the documentation specific for each example here examples !

# Chapter 2

# BitDew: An Open Source Middleware for Large Scale Data Management

## 2.1 Introduction

Using BitDew

### 2.1.1 What is BitDew ?

The BitDew framework is a programmable environment for management and distribution of data on computational Desktop Grids.

BitDew is a subsystem which can be easily integrated into Desktop Grid systems (XtremWeb, BOINC, Condor etc..). Currently, Desktop Grids are mostly limited to embarrassingly parallel applications with few data dependencies. BitDew objective is to broaden the use of Desktop Grids. Our approach is to break the "data wall" by providing in single package the key P2P technologies (DHT, BitTorrent) and high level programming interfaces. We first target Desktop Grid with peta-scale data system : up to 1K files/nodes, with size up to 1GB and distributed to 10K to 100K nodes.

The BitDew framework will enable the support for data-intense parameter sweep applications, long-running applications which requires distributed checkpoint services, workflow applications and maybe in the future soft-realtime and stream processing applications.

### 2.1.2 What Can I do with BitDew ?

BitDew offers programmers a simple API for creating, accessing, storing and moving data with ease, even on highly dynamic and volatile environments.

The BitDew programming model relies on 5 abstractions to manage the data : i) replication indicates how many occurrences of a data should be available at the same time on the network, ii) fault-tolerance controls the policy in presence of machine crash, iii) lifetime is an attribute absolute or relative to the existence of other data, which decides the life cycle of a data in the system, iv) affinity drives movement of data according to dependency rules, v) protocol gives the runtime environment hints about the protocol to distribute the data (http, ftp or bittorrent). Programmers define for every data these simple criteria, and let the BitDew runtime environment manage operations of data creation, deletion, movement, replication, and fault-tolerance operation.

### **2.1.3 Bitdew Architecture**

The BitDew runtime environment is a flexible environment implementing the API. It relies both on centralized and distributed protocols for indexing, storage and transfers providing reliability, scalability and high-performance.

The architecture follows a classical three-tiers schema commonly found in Desktop Grids: it divides the world in two sets of nodes : stable nodes and volatile nodes. Stable nodes run various independent services which compose the runtime environment: Data Repository (DR), Data Catalog (DC), Data Transfer (DT) and Data Scheduler (DC). We call these nodes the service hosts. Volatile nodes can either ask for storage resources (we call them client hosts) or offer their local storage (they are called reservoir hosts). Usually, programmers will not use directly the various D\* services; instead they will use the API which in turn hides the complexity of internal protocols.

The Bitdew runtime environment delegates a large number of operation to third party components : 1) Meta-data information are serialized using a traditional SQL database, 2) data transfer are realized out-of-band by specialized file transfer protocols and 3) publish and look-up of data replica is enabled by the means of DHT protocols. One feature of the system is that all of these components can be replaced and plugged-in by the users, allowing them to select the most adequate subsystem according to their own criteria like performance, reliability and scalability.

## **2.2 Downloading and Compiling BitDew**

Downloading and Compiling BitDew

### **2.2.1 Downloading BitDew**

## 2.3 Using BitDew

Using BitDew

### 2.3.1 the services

```
java -jar bitdew-stand-alone.jar serv dc dt dr ds serv
```

```
backslash_verbinclu doc/help-output.txt
```

# Chapter 3

## Example Documentation

### 3.1 HelloWorld.java

The first example shows how to create Data, set an Attribute to the Data and schedule the Data. You should definitely have a look in the source code, [HelloWorld.java](#).

Examples have similar structure : the example code is usually a client. You will need to execute the different services to be able to start the exemple

1. start a server. Open a terminal window and start the following command

```
java -jar bitdew-stand-alone.jar serv dc dt dr ds
```

2. open a new terminal window and start the example

```
java -cp bitdew-stand-alone.jar xtremweb.role.examples.HelloWorld localhost
```

3. start for the second time the example in a new shell so that the data created can be scheduled somewhere. Wait for a few seconds.

```
java -cp bitdew-stand-alone.jar xtremweb.role.examples.HelloWorld localhost
```

4. On each shell you should see a message similar to :

```
Received data: Hello World, whose uid is 8a356580-445f-31dd-887a-39748b0f20e  
7 and with Attribute helloWorldAttr
```

5. This show that each HelloWorld program have exchanged data. As you can see, the two uids are different, which means that two data were created.

6. Source code of the HelloWorld class:

```
package xtremweb.role.examples;  
  
import java.util.Vector;  
import xtremweb.core.log.*;  
import xtremweb.api.bitdew.BitDew;  
import xtremweb.api.activedata.ActiveData;  
import xtremweb.api.activedata.ActiveDataCallback;  
import xtremweb.core.com.idl.ComWorld;
```

```

import xtremweb.core.obj.dc.Data;
import xtremweb.core.obj.ds.Attribute;

public class HelloWorld {

    Logger log = LoggerFactory.getLogger("HelloWorld");
    BitDew bitdew;
    ActiveData activeData;

    public HelloWorld(String host, int port) throws Exception {

        //initialize the communication vectors which will be used by
        //the API
        Vector comms = ComWorld.getMultipleComms(host, "rmi", port, "dc", "dr",
        "ds");

        //now intialize the APIs
        bitdew = new BitDew(comms);
        activeData = new ActiveData(comms);

        //register the HelloWorldCallback to handle Data creation
        activeData.registerActiveDataCallback(new HelloWorldCallback());
        activeData.start();

        //now creates a Data
        Data data = bitdew.createData("Hello World");

        //creates an Attribute, which has the property to create a
        //data replica for every host
        Attribute attr = activeData.createAttribute("attr helloWorldAttr = {replicat = -1 }");

        //associates the Attribute with the Data
        activeData.schedule(data, attr);
        log.info(" data HelloWorld [" + data.getuid() + "] is successfully created and scheduled with attribute helloWorldAttr = {replicat = -1 } ");
    }

    public class HelloWorldCallback implements ActiveDataCallback {

        public void onDataScheduled(Data data, Attribute attr) {
            System.out.println("Received data: " + data.getname() + ", whose uid is " + data.getuid()
                + ", and with Attribute " + attr.getname());
        }

        public void onDataDeleted(Data data, Attribute attr) {}
    }
}

//usage is localhost if your services (dc, ds) run on the same host
//otherwise
public static void main(String[] args) throws Exception {
    String hostName = "localhost";
    if (args.length>0) hostName = args[0];
    int port = 4325;
    if (args.length==2) port=Integer.parseInt(args[1]);
    HelloWorld hw = new HelloWorld(hostName, port);
}
}

```

## 3.2 PingPong.java

The first example shows how to create Data, set an Attribute to the Data and schedule the Data. You should definitely have a look in the source code, [PingPong.java](#).

Examples have similar structure : the example code is usually a client. You will need to execute the different services to be able to start the exemple

1. start a server. Open a terminal window and start the following command

```
java -jar bitdew-stand-alone.jar serv dc dt dr ds
```

2. open a new terminal window and start the example

```
java -cp bitdew-stand-alone.jar xtremweb.role.examples.HelloWorld localhost
```

3. start for the second time the example in a new shell so that the data created can be scheduled somewhere. Wait for a few seconds.

```
java -cp bitdew-stand-alone.jar xtremweb.role.examples.HelloWorld localhost
```

4. On each shell you should see a message similar to :

```
Received data: Hello World, whose uid is 8a356580-445f-31dd-887a-39748b0f20e
7 and with Attribute helloWorldAttr
```

5. This show that each HelloWorld program have exchanged data. As you can see, the two uids are different, which means that two data were created.

6. Source code of the HelloWorld class:

```
package xtremweb.role.examples;

import java.util.Vector;
import xtremweb.core.log.*;
import xtremweb.api.bitdew.BitDew;
import xtremweb.api.bitdew.BitDewException;
import xtremweb.api.activedata.ActiveData;
import xtremweb.api.activedata.ActiveDataException;
import xtremweb.api.activedata.ActiveDataCallback;
import xtremweb.core.com.idl.ComWorld;
import xtremweb.core.obj.dc.Data;
import xtremweb.core.obj.ds.Attribute;

public class PingPong {

    Logger log = LoggerFactory.getLogger("PingPong");
    BitDew bitdew;
    ActiveData activeData;

    public PingPong(String host, int port) throws Exception {

        //intialize the communication vectors which will be used by
        //the API
        Vector comms = ComWorld.getMultipleComms(host, "rmi", port, "dc", "dr",
        "ds");

        //now intialize the APIs
    }
}
```

```

bitdew = new BitDew(comms);
activeData = new ActiveData(comms);

}

public void Ping() throws Exception{

    //now creates data named Ping
    Data ping = bitdew.createData("Ping");

    //creates an Attribute, which has the property to create a
    //data replica for every host
    Attribute attr = activeData.createAttribute("attr PingPong = {replicat =
1 }");

    //associates the Attribute with the Data
    activeData.schedule(ping, attr);
    log.info(" data " + ping.getname() + " [" + ping.getuid() + "] is successfully created and scheduled with attribute PingAttr = {replicat = -1 } " );

    //register the PingCallback to handle Data creation
    activeData.registerActiveDataCallback(new PingCallback());

    activeData.start();
}

public class PingCallback implements ActiveDataCallback {

    public void onDataScheduled(Data data, Attribute attr) {
        log.info("Received data: " + data.getname() + ", whose uid is " + data.getuid() + ", and with Attribute " + attr.getname());
        try {
            //delete data wether it is Ping or Pong
            bitdew.deleteData(data);
            activeData.unschedule(data);
            log.info("delete and unschedule data " + data.getname());
        } catch (BitDewException bde) {
            log.info("cannot delete Pong ");
        } catch (ActiveDataException ade) {
            log.info("cannot unschedule Pong ");
        }
    }

    public void onDataDeleted(Data data, Attribute attr) {
        log.info("Data : " + data.getname() + " has been deleted, whose uid is " + data.getuid() + ", and with Attribute " + attr.getname());
        //FIXME attr is null, I don't know why
    }
}

public void Pong() {
    //register the PongCallback to handle Data creation
    activeData.registerActiveDataCallback(new PongCallback(bitdew,
activeData));
    activeData.start();
}

public class PongCallback implements ActiveDataCallback {

    BitDew bitdew;
    ActiveData activeData;

    public PongCallback(BitDew bd, ActiveData ad) {
        bitdew = bd;
        activeData = ad;
    }
}

```

```

public void onDataScheduled(Data data, Attribute attr) {
    log.info("Received data: " + data.getname() + ", whose uid is " + data.getuid() + ", and with Attribute " + attr.getname());
}

try {
    //create pong
    Data pong = bitdew.createData("Pong");
    activeData.schedule(pong, attr);
    log.info(" data " + pong.getname() + " [" + pong.getuid() + "] is successfully created and scheduled with attribute " + attr.getname());
}

} catch (BitDewException bde) {
    log.info("cannot create Pong " + bde);
} catch (ActiveDataException ade) {
    log.info("cannot schedule Pong " + ade);
}

try {
    //delete Ping data
    bitdew.deleteData(data);
    activeData.unschedule(data);
    log.info("delete and unschedule data " + data.getname());
} catch (BitDewException bde) {
    log.info("cannot delete Ping " + bde);
} catch (ActiveDataException ade) {
    log.info("cannot unschedule Ping " + ade);
}
}

public void onDataDeleted(Data data, Attribute attr) {
    log.info("Data : " + data.getname() + " has been deleted, whose uid is " + data.getuid() + ", and with Attribute " + attr.getname());
    //FIXME attr is null, I don't know why
}
}

static public void usage() {
    System.out.println("Usage : java xtremweb.role.examples.PingPong ping|pong [hostName] [port]");
    System.exit(0);
}

public static void main(String[] args) throws Exception {
    String role;
    if ((args.length == 0) || (args.length > 2))
        PingPong.usage();
    role = args[0].toLowerCase();
    if (!(role.equals("ping") || role.equals("pong")))
        PingPong.usage();

    String hostName = "localhost";
    if (args.length>1) hostName = args[1];
    int port = 4325;
    if (args.length==3)
        port=Integer.parseInt(args[2]);
    PingPong pp = new PingPong( hostName, port);
    if (role.equals("ping"))
        pp.Ping();
    else
        pp.Pong();
}
}

```

### 3.3 PutGet.java

This example shows how:

1. to create a Data from a file and to copy the file to the Data Space
2. to retrieve the Data in a new file

Examples have similar structure : the example code is usually a client. You will need to execute the different services to be able to start the example

1. start a server. Open a terminal window and start the following command

```
java -jar bitdew-stand-alone.jar serv dc dt dr ds
```

2. open a new terminal window and start the example

```
java -cp bitdew-stand-alone.jar xtremweb.role.examples.PutGet put myfile
```

3. This command will create a new Data and copy the content of the file in the Data Space using the http protocol.
4. At the end of the execution, you should see something like :

```
[ INFO] successfully created data myfile [20f35880-4e72-31dd-be09-42554967791c] =
  { md5=5dd2e8d0dc257e5c756e11d3ddfff2eb size=10267 }
[ INFO] data successfully transferred.
[ INFO] To get the data, invoke the same program with the following arguments:
[ INFO] get myfile_copy 20f35880-4e72-31dd-be09-42554967791c
```

5. You can now use the following command to retrieve copy the data in a new file

```
java -cp bitdew-stand-alone.jar xtremweb.role.examples.PutGet get myfile_copy
      20f35880-4e72-31dd-be09-42554967791c
```

6. You should now obtain the following message :

```
[INFO] data has been successfully copied to myfile_copy
```

7. Source code of the PutGet example:

```
package xtremweb.role.examples;

import xtremweb.core.log.*;
import xtremweb.api.bitdew.BitDew;
import xtremweb.serv.dc.DataUtil;
import xtremweb.api.transman.TransferManager;
import xtremweb.core.com.idl.ComWorld;
import xtremweb.core.obj.dc.Data;

import java.util.Vector;
import java.io.File;

public class PutGet {

    private BitDew bitdew;
    private TransferManager transferManager;
```

```

Logger log = LoggerFactory.getLogger("PutGet");

public PutGet(String host, int port) throws Exception {
    //initialize the communication vectors which will be used by
    //the API
    Vector comms = ComWorld.getMultipleComms(host, "rmi", port, "dc", "dr", "dt");
}

//now initialize the APIs
bitdew = new BitDew(comms);
transferManager = new TransferManager(comms);
transferManager.start();
}

public void put(String fileName) throws Exception {
    File file = new File(fileName);
    if (!file.exists()) {
        log.fatal("file " + fileName + " does not exist");
        System.exit(1);
    }
    //create a Data from a file
    Data data = bitdew.createData(file);
    log.info(" successfully created " + DataUtil.toString(data));

    //copy the local file to the remote file using the http protocol
    bitdew.put(file, data, "http");

    //wait for data transfer completion and stop transfer manager
    transferManager.waitFor(data);
    transferManager.stop();
    log.info("data successfully transferred.");
    log.info("To get the data, invoke the same program with the following arguments:");
    log.info("get " + data.getName() + "_copy " + data.getUid());
}

public void get (String fileName, String dataUid) throws Exception {
    File file = new File(fileName);

    //retreive the data object
    Data data = bitdew.searchDataByUid(dataUid);

    //copy the remote data into the local file
    bitdew.get(data, file);

    //wait for the data transfer to complete and stop the transfer manager
    transferManager.waitFor(data);
    transferManager.stop();
    log.info("data has been successfully copied to " + fileName);
}

public static void usage() {
    System.out.println("usage : [host] [port] put filename");
    System.out.println(" or : [host] [port] get filename datauid");
    System.exit(1);
}

public static void main(String[] args) throws Exception {

    String hostName = "localhost";
    int port = 4325;
    boolean put = true;
    String filename = "";
    String datauid = "";
}

```

```
if (args.length<2)
    usage();

for(int i=0; i<args.length;i++) {
    if (args[i].equals("put") || args[i].equals("get") ) {
        if (i==(args.length-1)) {
            usage();
        }
        //host name and port
        if (i==2) {
            hostName = args[0];
            port = Integer.parseInt(args[1]);
        }
        if (i==1) {
            hostName = args[0];
        }
        //put or get
        put = args[i].equals("put");
        //filename
        filename = args[i+1];
        //datauid
        if (i+2==(args.length-1)) {
            datauid = args[i+2];
        }
        break;
    }
}
PutGet pg = new PutGet(hostName, port);
if (put)
    pg.put(filename);
else
    pg.get(filename,datauid);
}

}
```

# Chapter 4

## Class Index

## 4.1 Package List

Here are the packages with brief descriptions (if available):

xtremweb	.	??
xtremweb.api	.	??
xtremweb.api.activedata	.	??
xtremweb.api.activedata.test	.	??
xtremweb.api.bitdew	.	??
xtremweb.api.transman	.	??
xtremweb.api.transman.test	.	??
xtremweb.core	.	??
xtremweb.core.com	.	??
xtremweb.core.com.com	.	??
xtremweb.core.com.handler	.	??
xtremweb.core.com.idl	.	??
xtremweb.core.conf	.	??
xtremweb.core.db	.	??
xtremweb.core.db.test	.	??
xtremweb.core.exec	.	??
xtremweb.core.http	.	??
xtremweb.core iface	.	??
xtremweb.core.log	.	??
xtremweb.core.log.test	.	??
xtremweb.core.obj	.	??
xtremweb.core.obj.bench	.	??
xtremweb.core.obj.dc	.	??
xtremweb.core.obj.dr	.	??
xtremweb.core.obj.ds	.	??
xtremweb.core.obj.dt	.	??
xtremweb.core.perf	.	??
xtremweb.core.poxwo	.	??
xtremweb.core.serv	.	??
xtremweb.core.uid	.	??
xtremweb.core.util	.	??
xtremweb.core.util.test	.	??
xtremweb.role	.	??

xtremweb.role.bench	??
xtremweb.role.blast	??
xtremweb.role.cmdline	??
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xtremweb.role.mw	??
xtremweb.role.p2p	??
xtremweb.role.reservoir	??
xtremweb.role.ui	??
xtremweb.serv	??
xtremweb.serv.bench	??
xtremweb.serv.dc	??
xtremweb.serv.dc.ddc	??
xtremweb.serv.dc.ddc.dummy	??
xtremweb.serv.dc.ddc.jdht	??
xtremweb.serv.dr	??
xtremweb.serv.ds	??
xtremweb.serv.ds.test	??
xtremweb.serv.dt	??
xtremweb.serv.dt.amazonS3	??
xtremweb.serv.dt.bittorrent	??
xtremweb.serv.dt.dummy	??
xtremweb.serv.dt.ftp	??
xtremweb.serv.dt.http	??
xtremweb.serv.dt.ipb	??
xtremweb.serv.dt.ipb.LogisticalTools	??
xtremweb.serv.dt.mail	??
xtremweb.serv.dt.nio	??

## 4.2 Class Hierarchy

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

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xtremweb.core.com.com.CommRMIDc . . . . .	221
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??  

/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/activedata/ActiveDataException.java  

??  

/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/activedata/ActiveDataFactory.java  

??  

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??  

/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/bitdew/BitDew.java . . . ??  

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/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/transman/TransferManager.java . . ??  

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??  

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/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/transman/TransferType.java . . ??  

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??  

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??  

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??  

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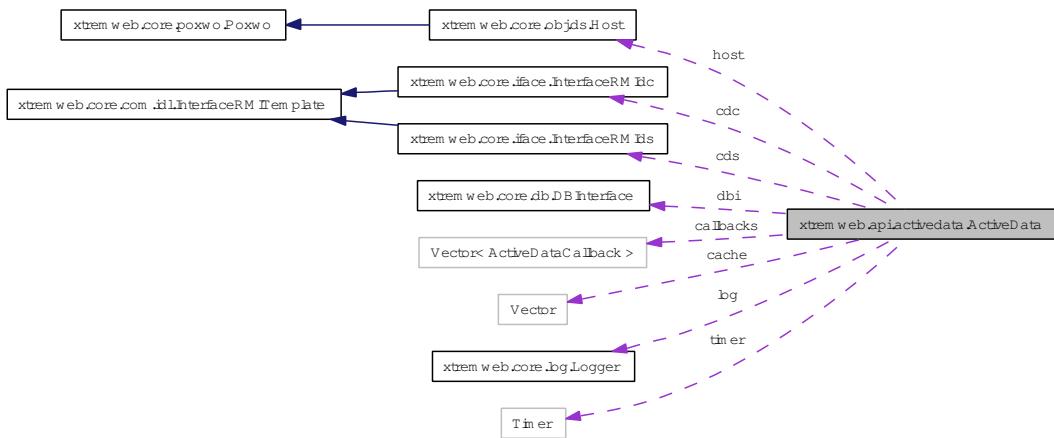
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# Chapter 5

## Class Documentation

### 5.1 xtremweb.api.activedata.ActiveData Class Reference

Collaboration diagram for xtremweb.api.activedata.ActiveData:



### Public Member Functions

- **ActiveData (InterfaceRMIdc dc, InterfaceRMIds ds)**
- **ActiveData (Vector comms)**
- **void init ()**
- **boolean isActive ()**
- **void stop ()**
- **void start (boolean isDaemon)**
- **void start ()**
- **void registerActiveDataCallback (ActiveDataCallback callback)**
- **void registerActiveDataCallback (ActiveDataCallback callback, Attribute attr)**
- **void schedule (Data data, Attribute attr) throws ActiveDataException**
- **void scheduleAndPin (Data data, Attribute attr, Host host) throws ActiveDataException**
- **void unschedule (Data data) throws ActiveDataException**
- **void pin (Data data, Host host) throws ActiveDataException**

- `Attribute createAttribute (String def) throws ActiveDataException`
- `Attribute registerAttribute (Attribute attr) throws ActiveDataException`
- `void setTimeout (int ms)`

## Protected Member Functions

- `void checkData ()`

## Protected Attributes

- `int timeout = 10000`
- `Logger log = LoggerFactory.getLogger("Active Data")`

## Package Attributes

- `DBInterface dbi = DBInterfaceFactory.getDBInterface()`

## Private Member Functions

- `void fixoob (Data data, Attribute attr) throws ActiveDataException`

## Private Attributes

- `InterfaceRMIdc cdc`
- `InterfaceRMIds cds`
- `Vector cache`
- `Host host = ComWorld.getHost()`
- `Vector< ActiveDataCallback > callbacks`
- `HashMap< String, Attribute > attributes`
- `Timer timer`
- `boolean isActive = false`

### 5.1.1 Detailed Description

Definition at line 42 of file ActiveData.java.

### 5.1.2 Constructor & Destructor Documentation

#### 5.1.2.1 xtremweb.api.activedata.ActiveData.ActiveData (InterfaceRMIdc dc, InterfaceRMIds ds)

Creates a new `ActiveData` instance.

Definition at line 69 of file ActiveData.java.

References `xtremweb.api.activedata.ActiveData.cdc`, `xtremweb.api.activedata.ActiveData.cds`, and `xtremweb.api.activedata.ActiveData.init()`.

Here is the call graph for this function:



### 5.1.2.2 xtremweb.api.activedata.ActiveData (Vector comms)

Definition at line 75 of file ActiveData.java.

References xtremweb.api.activedata.ActiveData.cdc, xtremweb.api.activedata.ActiveData.cds, and xtremweb.api.activedata.ActiveData.init().

Here is the call graph for this function:



## 5.1.3 Member Function Documentation

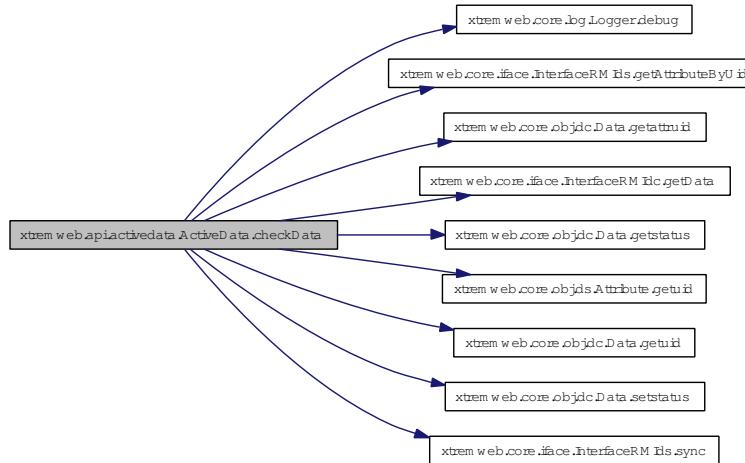
### 5.1.3.1 void xtremweb.api.activedata.ActiveData.checkData () [protected]

Definition at line 123 of file ActiveData.java.

References xtremweb.api.activedata.ActiveData.attributes, xtremweb.api.activedata.ActiveData.callbacks, xtremweb.api.activedata.ActiveData.cdc, xtremweb.api.activedata.ActiveData.cds, xtremweb.core.log.Logger.debug(), xtremweb.core.iface.InterfaceRMIDs.getAttributeByUid(), xtremweb.core.obj.dc.Data.getAttruid(), xtremweb.core.iface.InterfaceRMIDc.getData(), xtremweb.core.obj.dc.Data.getStatus(), xtremweb.core.obj.ds.Attribute.getuid(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.api.activedata.ActiveData.host, xtremweb.core.obj.dc.Data.setstatus(), and xtremweb.core.iface.InterfaceRMIDs.sync().

Referenced by xtremweb.api.activedata.ActiveData.start().

Here is the call graph for this function:



### 5.1.3.2 Attribute `xtremweb.api.activedata.ActiveData.createAttribute (String def) throws ActiveDataException`

Definition at line 295 of file ActiveData.java.

References `xtremweb.api.activedata.ActiveData.registerAttribute()`.

Referenced by `xtremweb.role.examples.Broadcast.Broadcast()`, `xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData()`, `xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench()`, `xtremweb.role.examples.HelloWorld.HelloWorld()`, `xtremweb.role.mw.Master2.Master2()`, `xtremweb.role.examples.PingPong.Ping()`, and `xtremweb.role.examples.Updater.Updater()`.

Here is the call graph for this function:



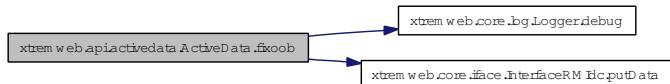
### 5.1.3.3 void `xtremweb.api.activedata.ActiveData.fixoob (Data data, Attribute attr) throws ActiveDataException [private]`

Definition at line 237 of file ActiveData.java.

References `xtremweb.api.activedata.ActiveData.cdc`, `xtremweb.core.log.Logger.debug()`, `xtremweb.api.activedata.ActiveData.log`, and `xtremweb.core iface.InterfaceRMIdc.putData()`.

Referenced by `xtremweb.api.activedata.ActiveData.schedule()`, and `xtremweb.api.activedata.ActiveData.scheduleAndPin()`.

Here is the call graph for this function:



### 5.1.3.4 void `xtremweb.api.activedata.ActiveData.init ()`

Definition at line 84 of file ActiveData.java.

References `xtremweb.api.activedata.ActiveData.attributes`, `xtremweb.api.activedata.ActiveData.cache`, and `xtremweb.api.activedata.ActiveData.callbacks`.

Referenced by `xtremweb.api.activedata.ActiveData.ActiveData()`.

### 5.1.3.5 boolean `xtremweb.api.activedata.ActiveData.isActive ()`

Definition at line 90 of file ActiveData.java.

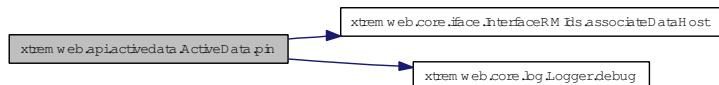
Referenced by `xtremweb.api.activedata.ActiveData.start()`, and `xtremweb.api.activedata.ActiveData.stop()`.

### 5.1.3.6 void xtremweb.api.activedata.ActiveData.pin (Data *data*, Host *host*) throws ActiveDataException

Definition at line 285 of file ActiveData.java.

References xtremweb.core iface.InterfaceRMIds.associateDataHost(), xtremweb.api.activedata.ActiveData.cds, xtremweb.core.log.Logger.debug(), xtremweb.api.activedata.ActiveData.host, and xtremweb.api.activedata.ActiveData.log.

Here is the call graph for this function:



### 5.1.3.7 void xtremweb.api.activedata.ActiveData.registerActiveDataCallback (ActiveDataCallback *callback*, Attribute *attr*)

Definition at line 233 of file ActiveData.java.

### 5.1.3.8 void xtremweb.api.activedata.ActiveData.registerActiveDataCallback (ActiveDataCallback *callback*)

Definition at line 229 of file ActiveData.java.

References xtremweb.api.activedata.ActiveData.callbacks.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.Broadcast.Broadcast(), xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), xtremweb.role.examples.HelloWorld.HelloWorld(), xtremweb.role.examples.PingPong.Ping(), xtremweb.role.examples.PingPong.Pong(), xtremweb.role.examples.Updater.Updater(), and xtremweb.role.mw.Worker2.Worker2().

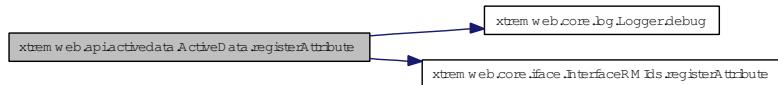
### 5.1.3.9 Attribute xtremweb.api.activedata.ActiveData.registerAttribute (Attribute *attr*) throws ActiveDataException

Definition at line 301 of file ActiveData.java.

References xtremweb.api.activedata.ActiveData.cds, xtremweb.core.log.Logger.debug(), xtremweb.api.activedata.ActiveData.log, and xtremweb.core iface.InterfaceRMIds.registerAttribute().

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), and xtremweb.api.activedata.ActiveData.createAttribute().

Here is the call graph for this function:



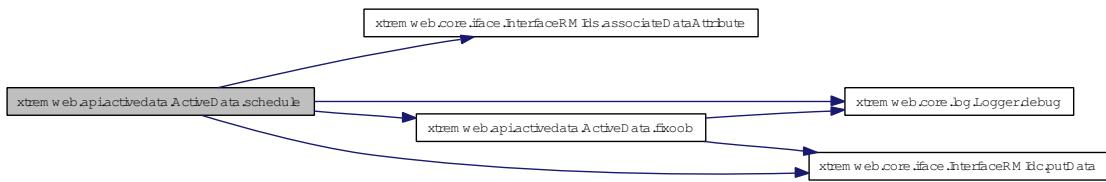
### 5.1.3.10 void xtremweb.api.activedata.ActiveData.schedule (Data data, Attribute attr) throws ActiveDataException

Definition at line 250 of file ActiveData.java.

References xtremweb.core iface InterfaceRMIds associateDataAttribute(), xtremweb.api.activedata.ActiveData.cdc, xtremweb.core.log.Logger.debug(), xtremweb.api.activedata.ActiveData.fixoob(), xtremweb.api.activedata.ActiveData.log, and xtremweb.core iface InterfaceRMIdc putData().

Referenced by xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData(), xtremweb.role.examples.HelloWorld.HelloWorld(), xtremweb.role.mw.Master2.Master2(), xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(), xtremweb.role.examples.PingPong.PongCallback.onDataScheduled(), xtremweb.role.examples.PingPong.Ping(), and xtremweb.role.examples.Updater.Updater().

Here is the call graph for this function:



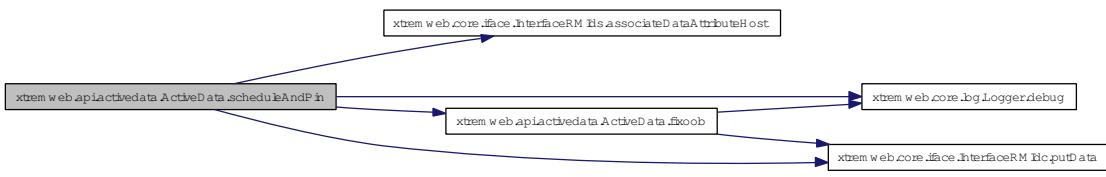
### 5.1.3.11 void xtremweb.api.activedata.ActiveData.scheduleAndPin (Data data, Attribute attr, Host host) throws ActiveDataException

Definition at line 263 of file ActiveData.java.

References xtremweb.core iface InterfaceRMIds associateDataAttributeHost(), xtremweb.api.activedata.ActiveData.cdc, xtremweb.core.log.Logger.debug(), xtremweb.api.activedata.ActiveData.fixoob(), xtremweb.api.activedata.ActiveData.host, xtremweb.api.activedata.ActiveData.log, and xtremweb.core iface InterfaceRMIdc putData().

Referenced by xtremweb.role.examples.Broadcast.Broadcast(), xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench() and xtremweb.role.mw.Master2.Master2().

Here is the call graph for this function:



### 5.1.3.12 void xtremweb.api.activedata.ActiveData.settimeout (int ms)

Definition at line 311 of file ActiveData.java.

References xtremweb.api.activedata.ActiveData.timeout.

Referenced by xtremweb.role.examples.Broadcast.Broadcast(), and xtremweb.role.examples.PublishSearch.PublishSearch().

### 5.1.3.13 void xtremweb.api.activedata.ActiveData.start ()

start launches periodic Active Data engine

Definition at line 118 of file ActiveData.java.

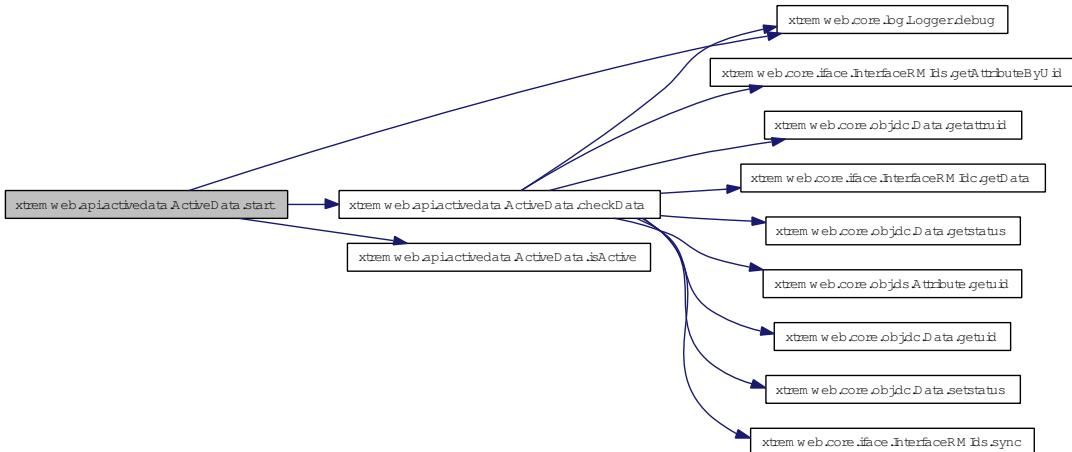
### 5.1.3.14 void xtremweb.api.activedata.ActiveData.start (boolean *isDaemon*)

Definition at line 103 of file ActiveData.java.

References xtremweb.api.activedata.ActiveData.checkData(), xtremweb.core.log.Logger.debug(), xtremweb.api.activedata.ActiveData.isActive(), xtremweb.api.activedata.ActiveData.log, xtremweb.api.activedata.ActiveData.timeout, and xtremweb.api.activedata.ActiveData.timer.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.Broadcast.Broadcast(), xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), xtremweb.api.activedata.ActiveDataFactory.getActiveData(), xtremweb.role.examples.HelloWorld.HelloWorld(), xtremweb.role.examples.PingPong.Ping(), xtremweb.role.examples.PingPong.Pong(), xtremweb.role.examples.Updater.Updater(), and xtremweb.role.mw.Worker2.Worker2().

Here is the call graph for this function:



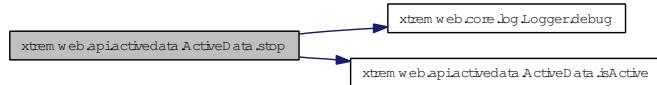
### 5.1.3.15 void xtremweb.api.activedata.ActiveData.stop ()

stop stops periodic Active Data Engine

Definition at line 97 of file ActiveData.java.

References xtremweb.core.log.Logger.debug(), xtremweb.api.activedata.ActiveData.isActive(), xtremweb.api.activedata.ActiveData.log, and xtremweb.api.activedata.ActiveData.timer.

Here is the call graph for this function:



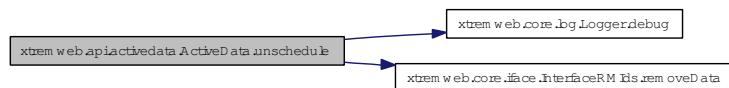
#### **5.1.3.16 void xtremweb.api.activedata.ActiveData.unschedule (Data data) throws ActiveDataException**

Definition at line 275 of file ActiveData.java.

References xtremweb.api.activedata.ActiveData.cds, xtremweb.core.log.Logger.debug(), xtremweb.api.activedata.ActiveData.log, and xtremweb.core iface.InterfaceRMIIds.removeData().

Referenced by xtremweb.role.examples.PingPong.PongCallback.onDataScheduled(), and xtremweb.role.examples.PingPong.PingCallback.onDataScheduled().

Here is the call graph for this function:



### **5.1.4 Member Data Documentation**

#### **5.1.4.1 HashMap<String,Attribute> xtremweb.api.activedata.ActiveData.attributes [private]**

Definition at line 53 of file ActiveData.java.

Referenced by xtremweb.api.activedata.ActiveData.checkData(), and xtremweb.api.activedata.ActiveData.init().

#### **5.1.4.2 Vector xtremweb.api.activedata.ActiveData.cache [private]**

Definition at line 46 of file ActiveData.java.

Referenced by xtremweb.api.activedata.ActiveData.init().

#### **5.1.4.3 Vector<ActiveDataCallback> xtremweb.api.activedata.ActiveData.callbacks [private]**

Definition at line 50 of file ActiveData.java.

Referenced by xtremweb.api.activedata.ActiveData.checkData(), xtremweb.api.activedata.ActiveData.init(), and xtremweb.api.activedata.ActiveData.registerActiveDataCallback().

#### **5.1.4.4 InterfaceRMIdc xtremweb.api.activedata.ActiveData.cdc [private]**

Definition at line 44 of file ActiveData.java.

Referenced by xtremweb.api.activedata.ActiveData(), xtremweb.api.activedata.ActiveData.checkData(), xtremweb.api.activedata.ActiveData.fixoob(), xtremweb.api.activedata.ActiveData.schedule(), and xtremweb.api.activedata.ActiveData.scheduleAndPin().

#### 5.1.4.5 InterfaceRMIIds xtremweb.api.activedata.ActiveData.cds [private]

Definition at line 45 of file ActiveData.java.

Referenced by xtremweb.api.activedata.ActiveData.ActiveData(), xtremweb.api.activedata.ActiveData.checkData(), xtremweb.api.activedata.ActiveData.pin(), xtremweb.api.activedata.ActiveData.registerAttribute(), xtremweb.api.activedata.ActiveData.schedule(), xtremweb.api.activedata.ActiveData.scheduleAndPin(), and xtremweb.api.activedata.ActiveData.unschedule().

#### 5.1.4.6 DBInterface xtremweb.api.activedata.ActiveData.dbi = DBInterfaceFactory.getDBInterface() [package]

Definition at line 62 of file ActiveData.java.

#### 5.1.4.7 Host xtremweb.api.activedata.ActiveData.host = ComWorld.getHost() [private]

Definition at line 48 of file ActiveData.java.

Referenced by xtremweb.api.activedata.ActiveData.checkData(), xtremweb.api.activedata.ActiveData.pin(), and xtremweb.api.activedata.ActiveData.scheduleAndPin().

#### 5.1.4.8 boolean xtremweb.api.activedata.ActiveData.isActive = false [private]

Definition at line 60 of file ActiveData.java.

#### 5.1.4.9 Logger xtremweb.api.activedata.ActiveData.log = LoggerFactory.getLogger("Active Data") [protected]

Definition at line 64 of file ActiveData.java.

Referenced by xtremweb.api.activedata.ActiveData.checkData(), xtremweb.api.activedata.ActiveData.fixoob(), xtremweb.api.activedata.ActiveData.pin(), xtremweb.api.activedata.ActiveData.registerAttribute(), xtremweb.api.activedata.ActiveData.schedule(), xtremweb.api.activedata.ActiveData.scheduleAndPin(), xtremweb.api.activedata.ActiveData.start(), xtremweb.api.activedata.ActiveData.stop(), and xtremweb.api.activedata.ActiveData.unschedule().

#### 5.1.4.10 int xtremweb.api.activedata.ActiveData.timeout = 10000 [protected]

time between two periodic activities (in milli seconds)

Definition at line 56 of file ActiveData.java.

Referenced by xtremweb.api.activedata.ActiveData.settimeout(), and xtremweb.api.activedata.ActiveData.start().

#### 5.1.4.11 Timer xtremweb.api.activedata.ActiveData.timer [private]

Definition at line 58 of file ActiveData.java.

Referenced by xtremweb.api.activedata.ActiveData.start(), and xtremweb.api.activedata.ActiveData.stop().  
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/activedata/[ActiveData.java](#)

## 5.2 xtremweb.api.activedata.ActiveDataCallback Interface Reference

Inherited by [xtremweb.role.examples.AllToAll.BroadcastCallback](#), [xtremweb.role.examples.Broadcast.BroadcastCallback](#), [xtremweb.role.examples.FaultToleranceBench.BroadcastCallback](#), [xtremweb.role.examples.HelloWorld.HelloWorldCallback](#), [xtremweb.role.examples.PingPong.PingCallback](#), [xtremweb.role.examples.PingPong.PongCallback](#), [xtremweb.role.examples.Updater.UpdaterCallback](#), [xtremweb.role.mw.Master2.MasterCallback](#), and [xtremweb.role.mw.Worker2.WorkerCallback](#).

### Public Member Functions

- void [onDataScheduled \(Data data, Attribute attr\)](#)
- void [onDataDeleted \(Data data, Attribute attr\)](#)

#### 5.2.1 Detailed Description

Describe class [ActiveDataCallback](#) here.

Created: Thu Dec 27 21:46:25 2007

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 15 of file ActiveDataCallback.java.

#### 5.2.2 Member Function Documentation

##### 5.2.2.1 void xtremweb.api.activedata.ActiveDataCallback.onDataDeleted (Data *data*, Attribute *attr*)

Implemented in [xtremweb.role.examples.AllToAll.BroadcastCallback](#), [xtremweb.role.examples.Broadcast.BroadcastCallback](#), [xtremweb.role.examples.FaultToleranceBench.BroadcastCallback](#), [xtremweb.role.examples.HelloWorld.HelloWorldCallback](#), [xtremweb.role.examples.PingPong.PingCallback](#), [xtremweb.role.examples.PingPong.PongCallback](#), [xtremweb.role.examples.Updater.UpdaterCallback](#), [xtremweb.role.mw.Master2.MasterCallback](#), and [xtremweb.role.mw.Worker2.WorkerCallback](#).

##### 5.2.2.2 void xtremweb.api.activedata.ActiveDataCallback.onDataScheduled (Data *data*, Attribute *attr*)

Implemented in [xtremweb.role.examples.AllToAll.BroadcastCallback](#), [xtremweb.role.examples.Broadcast.BroadcastCallback](#), [xtremweb.role.examples.FaultToleranceBench.BroadcastCallback](#), [xtremweb.role.examples.HelloWorld.HelloWorldCallback](#), [xtremweb.role.examples.PingPong.PingCallback](#), [xtremweb.role.examples.PingPong.PongCallback](#), [xtremweb.role.examples.Updater.UpdaterCallback](#), [xtremweb.role.mw.Master2.MasterCallback](#), and [xtremweb.role.mw.Worker2.WorkerCallback](#).

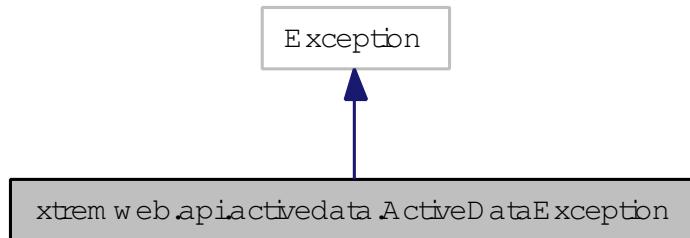
The documentation for this interface was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/activedata/[ActiveDataCallback.java](#)

## 5.3 xtremweb.api.activedata.ActiveDataException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.api.activedata.ActiveDataException:



### Public Member Functions

- [ActiveDataException \(\)](#)
- [ActiveDataException \(String msg\)](#)

#### 5.3.1 Detailed Description

Describe class [ActiveDataException](#) here.

Created: Sat Jan 5 14:59:31 2008

#### Author:

[Gilles Fedak](#)

#### Version:

1.0

Definition at line 12 of file `ActiveDataException.java`.

### 5.3.2 Constructor & Destructor Documentation

#### 5.3.2.1 xtremweb.api.activedata.ActiveDataException.ActiveDataException ()

Creates a new [ActiveDataException](#) instance.

Definition at line 18 of file `ActiveDataException.java`.

#### 5.3.2.2 xtremweb.api.activedata.ActiveDataException.ActiveDataException (String msg)

Creates a new [ActiveDataException](#) instance.

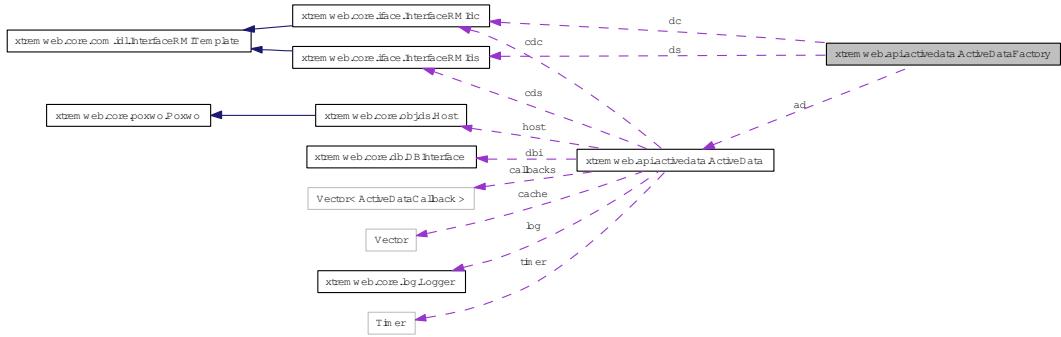
Definition at line 26 of file `ActiveDataException.java`.

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

- [/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/activedata/ActiveDataException.java](#)

## 5.4 xtremweb.api.activedata.ActiveDataFactory Class Reference

Collaboration diagram for xtremweb.api.activedata.ActiveDataFactory:



### Static Public Member Functions

- static void [init \(InterfaceRMIdc cdc, InterfaceRMIds cds\)](#)
- static [ActiveData getActiveData \(\)](#)

### Static Private Attributes

- static [InterfaceRMIdc dc](#)
- static [InterfaceRMIds ds](#)
- static [ActiveData ad = null](#)

#### 5.4.1 Detailed Description

[ActiveDataFactory](#) allows to create one single instance of a [ActiveData](#) API

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 13 of file ActiveDataFactory.java.

#### 5.4.2 Member Function Documentation

##### 5.4.2.1 static ActiveData [xtremweb.api.activedata.ActiveDataFactory.getActiveData \(\)](#) [static]

getActiveData retrieve the [ActiveData](#) instance.

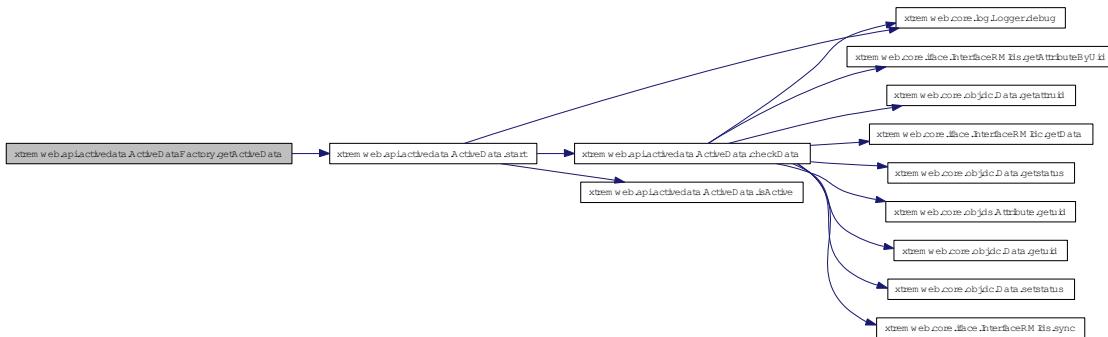
**Returns:**

a [ActiveData](#) value

Definition at line 39 of file ActiveDataFactory.java.

References `xtremweb.api.activedata.ActiveDataFactory.ad`, `xtremweb.api.activedata.ActiveDataFactory.dc`, `xtremweb.api.activedata.ActiveDataFactory.ds`, and `xtremweb.api.activedata.ActiveData.start()`.

Here is the call graph for this function:



#### 5.4.2.2 static void xtremweb.api.activedata.ActiveDataFactory.init (InterfaceRMIdc *cdc*, InterfaceRMIds *cds*) [static]

`init` init the method with the specified runtime services.

**Parameters:**

*cde* an `InterfaceRMIdc` value

*cds* an `InterfaceRMIds` value

Definition at line 29 of file ActiveDataFactory.java.

References `xtremweb.api.activedata.ActiveDataFactory.dc`, and `xtremweb.api.activedata.ActiveDataFactory.ds`.

### 5.4.3 Member Data Documentation

#### 5.4.3.1 ActiveData `xtremweb.api.activedata.ActiveDataFactory.ad = null` [static, private]

Definition at line 21 of file ActiveDataFactory.java.

Referenced by `xtremweb.api.activedata.ActiveDataFactory.getActiveData()`.

#### 5.4.3.2 InterfaceRMIdc `xtremweb.api.activedata.ActiveDataFactory.dc` [static, private]

Definition at line 18 of file ActiveDataFactory.java.

Referenced by `xtremweb.api.activedata.ActiveDataFactory.getActiveData()`, and `xtremweb.api.activedata.ActiveDataFactory.init()`.

**5.4.3.3 InterfaceRMIds xtremweb.api.activedata.ActiveDataFactory.ds [static, private]**

Definition at line 19 of file ActiveDataFactory.java.

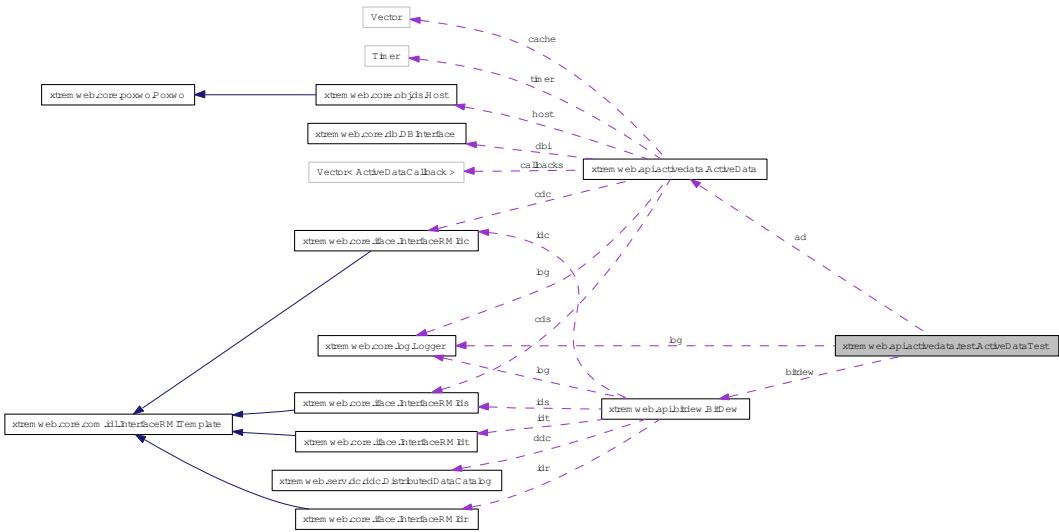
Referenced by xtremweb.api.activedata.ActiveDataFactory.getActiveData(), and xtremweb.api.activedata.ActiveDataFactory.init().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/activedata/[ActiveDataFactory.java](#)

## 5.5 xtremweb.api.activedata.test.ActiveDataTest Class Reference

Collaboration diagram for xtremweb.api.activedata.test.ActiveDataTest:



### Public Member Functions

- void `setUp ()`
- void `start ()`

### Package Attributes

- `ActiveData ad`
- `BitDew bitdew`
- `Logger log = LoggerFactory.getLogger("ActiveDataTest")`

#### 5.5.1 Detailed Description

Describe class TestAD here.

Created: Mon Aug 27 15:51:54 2007

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 37 of file ActiveDataTest.java.

## 5.5.2 Member Function Documentation

### 5.5.2.1 void xtremweb.api.activedata.test.ActiveDataTest.setUp ()

Definition at line 49 of file ActiveDataTest.java.

References xtremweb.api.activedata.test.ActiveDataTest.ad, xtremweb.api.activedata.test.ActiveDataTest.bitdew, xtremweb.core.log.Logger.debug(), and xtremweb.api.activedata.test.ActiveDataTest.log.

Here is the call graph for this function:



### 5.5.2.2 void xtremweb.api.activedata.test.ActiveDataTest.start ()

Definition at line 71 of file ActiveDataTest.java.

References xtremweb.core.log.Logger.info(), and xtremweb.api.activedata.test.ActiveDataTest.log.

Here is the call graph for this function:



## 5.5.3 Member Data Documentation

### 5.5.3.1 ActiveData xtremweb.api.activedata.test.ActiveDataTest.ad [package]

Definition at line 39 of file ActiveDataTest.java.

Referenced by xtremweb.api.activedata.test.ActiveDataTest.setUp().

### 5.5.3.2 BitDew xtremweb.api.activedata.test.ActiveDataTest.bitdew [package]

Definition at line 40 of file ActiveDataTest.java.

Referenced by xtremweb.api.activedata.test.ActiveDataTest.setUp().

### 5.5.3.3 Logger xtremweb.api.activedata.test.ActiveDataTest.log = LoggerFactory.getLogger("ActiveDataTest") [package]

Definition at line 41 of file ActiveDataTest.java.

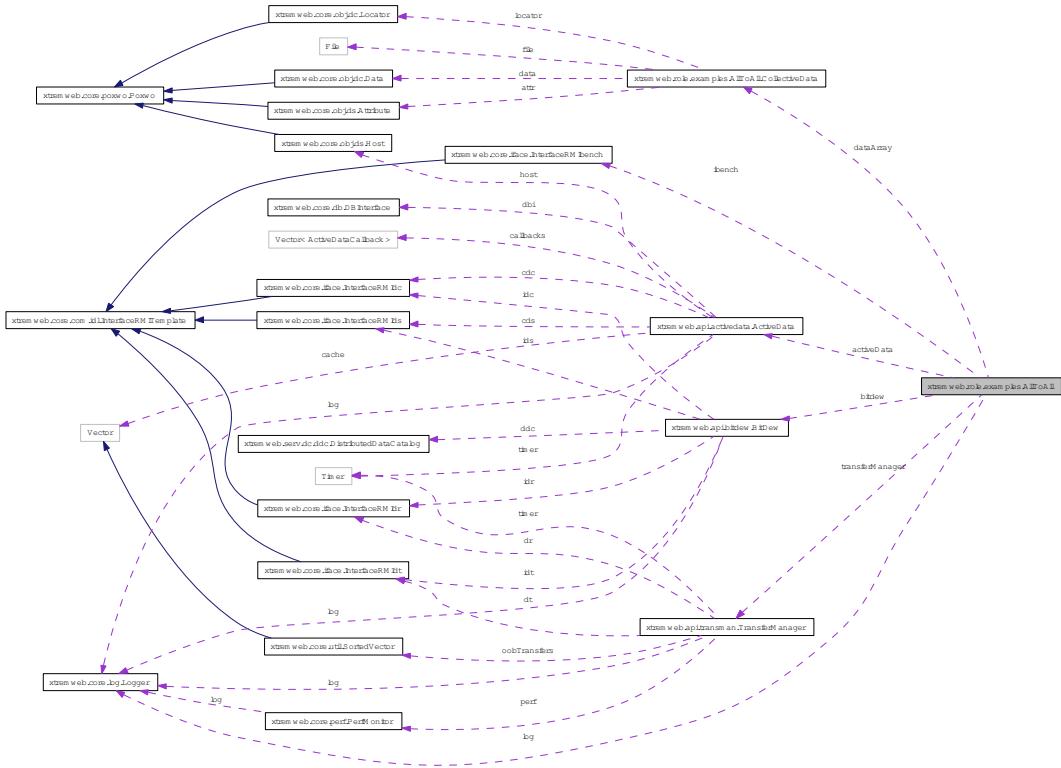
Referenced by xtremweb.api.activedata.test.ActiveDataTest.setUp(), and xtremweb.api.activedata.test.ActiveDataTest.start().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/activedata/test/[ActiveDataTest.java](#)

## 5.6 xtremweb.role.examples.AllToAll Class Reference

## Collaboration diagram for xtremweb.role.examples.AllToAll:



## Classes

- class BroadcastCallback
  - class CollectiveData

## Public Member Functions

- **AllToAll** (String host, int port, boolean master, String dir, String p, int w, String myId, int s, int d, int r, String mh) throws Exception
  - void **createFic** (File fic, int taille)

## Static Public Member Functions

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

## Package Attributes

- String oob
  - Logger log = LoggerFactory.getLogger(AllToAll.class)
  - BitDew bitdew = null

- `ActiveData activeData = null`
- `TransferManager transferManager = null`
- `String _dir`
- `InterfaceRMIBench ibench = null`
- `long myrank`
- `String hostName = "nonhostname"`
- `int replicat`
- `int nedata`
- `int workers`
- `int received = 0`
- `int size`
- `long start`
- `long dataScheduled`
- `long end`
- `CollectiveData[ ] dataArray`
- `final int FILE_SIZE = 5000`

### 5.6.1 Detailed Description

Definition at line 31 of file AllToAll.java.

### 5.6.2 Constructor & Destructor Documentation

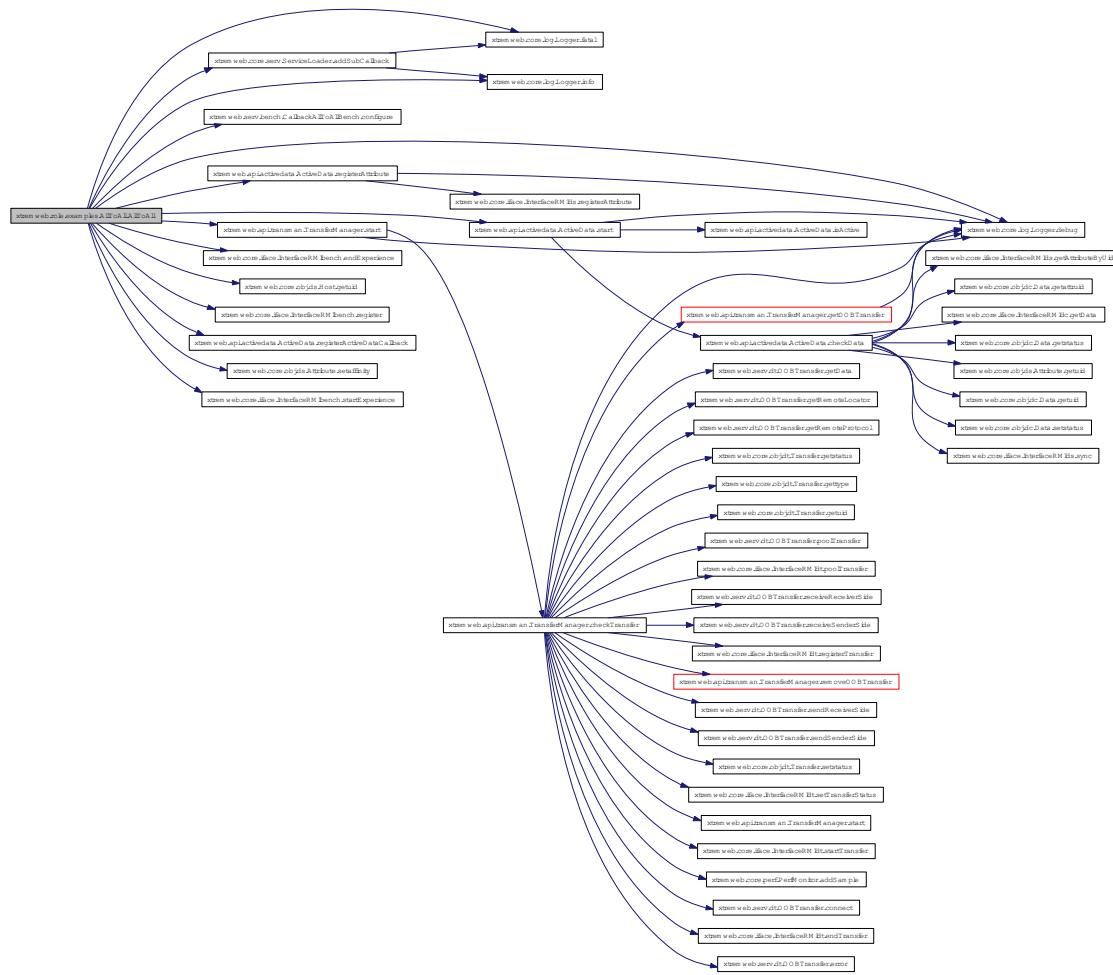
#### 5.6.2.1 `xtremweb.role.examples.AllToAll.AllToAll (String host, int port, boolean master, String dir, String p, int w, String myId, int s, int d, int r, String mh) throws Exception`

Definition at line 57 of file AllToAll.java.

References `xtremweb.role.examples.AllToAll._dir`, `xtremweb.role.examples.AllToAll.activeData`, `xtremweb.core.serv.ServiceLoader.addSubCallback()`, `xtremweb.role.examples.AllToAll.CollectiveData.attr`, `xtremweb.role.examples.AllToAll.bitdew`, `xtremweb.serv.bench.CallbackAllToAllBench.configure()`, `xtremweb.role.examples.AllToAll.dataArray`, `xtremweb.core.log.Logger.debug()`, `xtremweb.core iface.InterfaceRMIBench.endExperience()`, `xtremweb.core.log.Logger.fatal()`, `xtremweb.core.obj.ds.Host.getuid()`, `xtremweb.role.examples.AllToAll.hostName`, `xtremweb.role.examples.AllToAll.ibench`, `xtremweb.core.log.Logger.info()`, `xtremweb.role.examples.AllToAll.log`, `xtremweb.role.examples.AllToAll.myrank`, `xtremweb.role.examples.AllToAll.nedata`, `xtremweb.role.examples.AllToAll.oob`, `xtremweb.core iface.InterfaceRMIBench.register()`, `xtremweb.api.activedata.ActiveData.registerActiveDataCallback()`, `xtremweb.api.activedata.ActiveData.registerAttribute()`, `xtremweb.role.examples.AllToAll.replicat`, `xtremweb.core.obj.ds.Attribute.setaffinity()`, `xtremweb.role.examples.AllToAll.size`, `xtremweb.api.activedata.ActiveData.start()`, `xtremweb.api.transman.TransferManager.start()`, `xtremweb.core iface.InterfaceRMIBench.startExperience()`, `xtremweb.role.examples.AllToAll.transferManager`, and `xtremweb.role.examples.AllToAll.workers`.

Referenced by `xtremweb.role.examples.AllToAll.main()`.

Here is the call graph for this function:



### 5.6.3 Member Function Documentation

### 5.6.3.1 void xtremweb.role.examples.AllToAll.createFic (File fic, int taille)

Definition at line 141 of file AllToAll.java.

References `xtremweb.core.log.Logger.fatal()`, and `xtremweb.role.examples.AllToAll.log`.

Referenced by xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData().

Here is the call graph for this function:

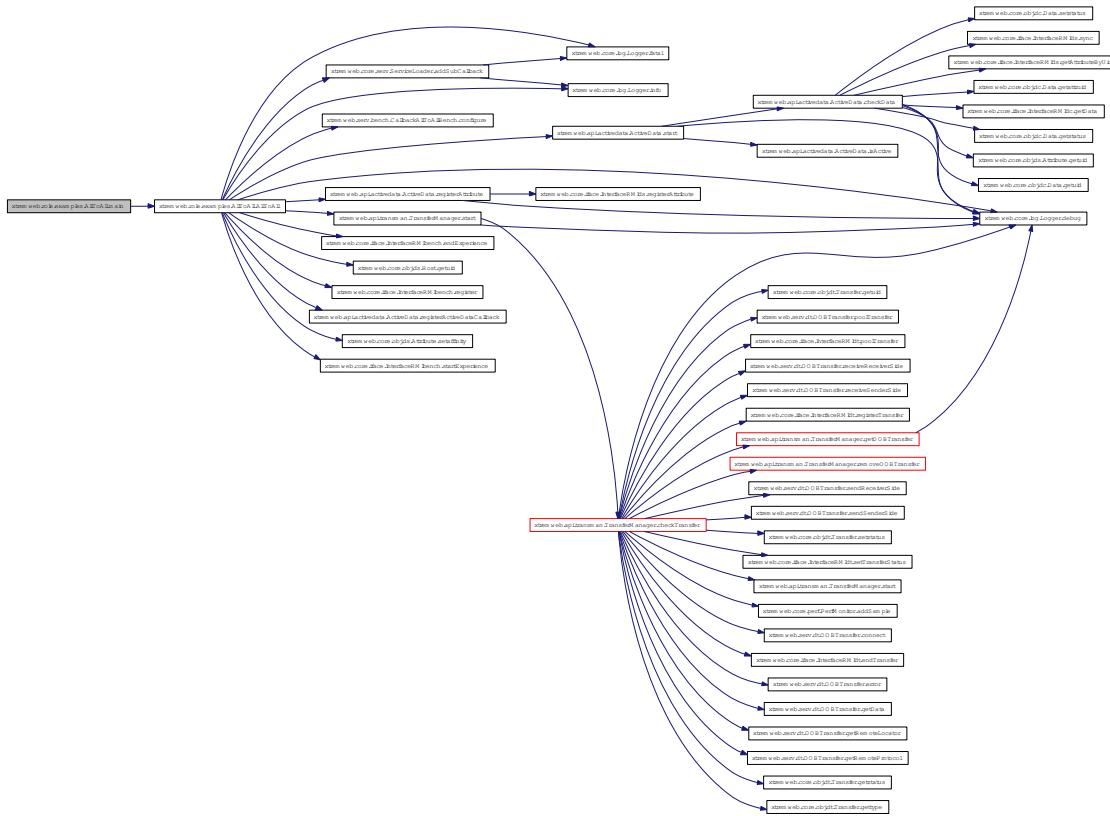


**5.6.3.2 static void xtremweb.role.examples.AllToAll.main (String[ ] args) throws Exception [static]**

Definition at line 182 of file AllToAll.java.

References xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.AllToAll.oob, xtremweb.role.examples.AllToAll.replicat, xtremweb.role.examples.AllToAll.size, and xtremweb.role.examples.AllToAll.workers.

Here is the call graph for this function:



#### **5.6.4 Member Data Documentation**

#### **5.6.4.1 String xtremweb.role.examples.AllToAll.\_dir [package]**

Definition at line 38 of file AllToAll.java.

Referenced by `xtremweb.role.examples.AllToAll.AllToAll()`, `xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData()` and `xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled()`.

**5.6.4.2 ActiveData xtremweb.role.examples.AllToAll.activeData = null** [package]

Definition at line 36 of file AllToAll.java.

Referenced by `xtremweb.role.examples.AllToAll.AllToAll()`, and `xtremweb.role.examples.AllToAll.CollectiveData.CollectiveE`

**5.6.4.3 BitDew xtremweb.role.examples.AllToAll.bitdew = null [package]**

Definition at line 35 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData() and xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled().

**5.6.4.4 CollectiveData [ ] xtremweb.role.examples.AllToAll.dataArray [package]**

Definition at line 53 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll().

**5.6.4.5 long xtremweb.role.examples.AllToAll.dataScheduled [package]**

Definition at line 50 of file AllToAll.java.

**5.6.4.6 long xtremweb.role.examples.AllToAll.end [package]**

Definition at line 51 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled().

**5.6.4.7 final int xtremweb.role.examples.AllToAll.FILE\_SIZE = 5000 [package]**

Definition at line 55 of file AllToAll.java.

**5.6.4.8 String xtremweb.role.examples.AllToAll.hostName = "nonhostname" [package]**

Definition at line 42 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), and xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled().

**5.6.4.9 InterfaceRMIbench xtremweb.role.examples.AllToAll.ibench = null [package]**

Definition at line 40 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), and xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled().

**5.6.4.10 Logger xtremweb.role.examples.AllToAll.log = LoggerFactory.getLogger(AllToAll.class) [package]**

Definition at line 34 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData() and xtremweb.role.examples.AllToAll.createFic(), and xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled().

**5.6.4.11 long xtremweb.role.examples.AllToAll.myrank [package]**

Definition at line 41 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), and xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled().

**5.6.4.12 int xtremweb.role.examples.AllToAll.npdata [package]**

Definition at line 45 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), and xtremweb.role.examples.AllToAll.BroadcastCallback.onData()

**5.6.4.13 String xtremweb.role.examples.AllToAll.oob [package]**

Definition at line 33 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData() and xtremweb.role.examples.AllToAll.main().

**5.6.4.14 int xtremweb.role.examples.AllToAll.received = 0 [package]**

Definition at line 47 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled().

**5.6.4.15 int xtremweb.role.examples.AllToAll.replicat [package]**

Definition at line 44 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData() and xtremweb.role.examples.AllToAll.main().

**5.6.4.16 int xtremweb.role.examples.AllToAll.size [package]**

Definition at line 48 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData() and xtremweb.role.examples.AllToAll.main().

**5.6.4.17 long xtremweb.role.examples.AllToAll.start [package]**

Definition at line 49 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled().

**5.6.4.18 TransferManager xtremweb.role.examples.AllToAll.transferManager = null [package]**

Definition at line 37 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), and xtremweb.role.examples.AllToAll.BroadcastCallback.onData()

**5.6.4.19 int xtremweb.role.examples.AllToAll.workers [package]**

Definition at line 46 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), and xtremweb.role.examples.AllToAll.main().

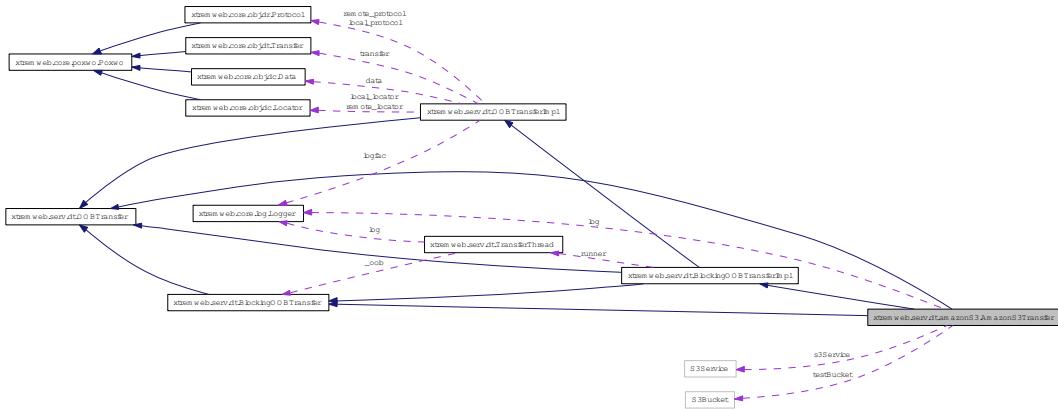
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[AllToAll.java](#)

## 5.7 xtremweb.serv.dt.amazonS3.AmazonS3Transfer Class Reference

Inherits [xtremweb::serv::dt::BlockingOOBTransferImpl](#), [xtremweb::serv::dt::BlockingOOBTransfer](#), and [xtremweb::serv::dt::OOBTransfer](#).

Collaboration diagram for `xtremweb.serv.dt.amazonS3.AmazonS3Transfer`:



## Public Member Functions

- `AmazonS3Transfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`
- `String amazons3toString ()`
- `void connect () throws OOBException`
- `void blockingSendSenderSide () throws OOBException`
- `void blockingSendReceiverSide () throws OOBException`
- `void blockingReceiveReceiverSide () throws OOBException`
- `void blockingReceiveSenderSide () throws OOBException`
- `void disconnect () throws OOBException`

## Static Public Member Functions

- `static void main (String[ ] args)`

## Public Attributes

- `S3Service s3Service`
- `S3Bucket testBucket`

## Static Protected Attributes

- `static Logger log = LoggerFactory.getLogger(AmazonS3Transfer.class)`

### 5.7.1 Detailed Description

Definition at line 30 of file AmazonS3Transfer.java.

### 5.7.2 Constructor & Destructor Documentation

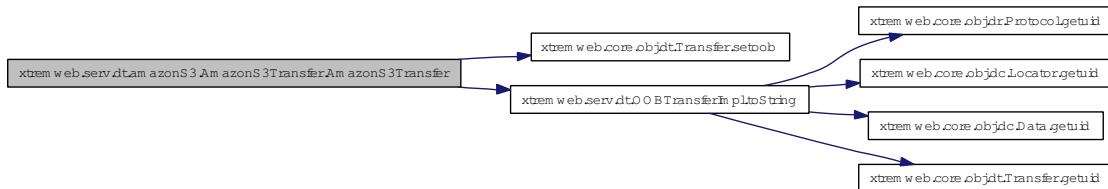
#### 5.7.2.1 **xtremweb.serv.dt.amazonS3.AmazonS3Transfer.AmazonS3Transfer (Data *d*, Transfer *t*, Locator *rl*, Locator *ll*, Protocol *rp*, Protocol *lp*)**

Definition at line 48 of file AmazonS3Transfer.java.

References `xtremweb.core.obj.dt.Transfer.setoob()`, `xtremweb.serv.dt.OOBTransferImpl.toString()`, and `xtremweb.serv.dt.OOBTransferImpl.transfer`.

Referenced by `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main()`.

Here is the call graph for this function:



### 5.7.3 Member Function Documentation

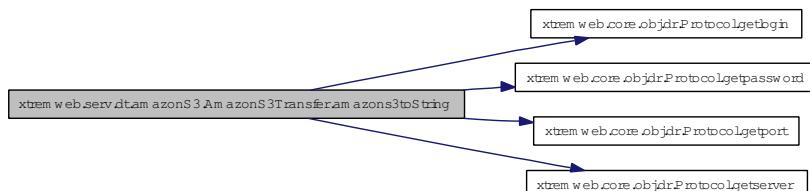
#### 5.7.3.1 **String xtremweb.serv.dt.amazonS3.AmazonS3Transfer.amazons3toString ()**

Definition at line 55 of file AmazonS3Transfer.java.

References `xtremweb.core.obj.dr.Protocol.getLogin()`, `xtremweb.core.obj.dr.Protocol.getPassword()`, `xtremweb.core.obj.dr.Protocol.getPort()`, `xtremweb.core.obj.dr.Protocol.getServer()`, and `xtremweb.serv.dt.OOBTransferImpl.remote_protocol`.

Referenced by `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide()`, `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendSenderSide()`, and `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.connect()`.

Here is the call graph for this function:



**5.7.3.2 void xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide () throws OOBException**

`blockingReceiveReceiverSide` implements the blocking receive from the Receiver side

## Exceptions:

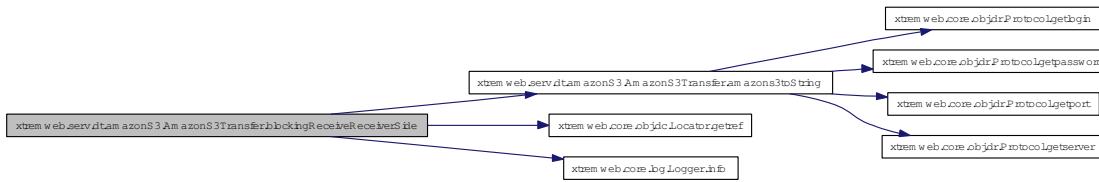
***OOBException*** if an error occurs

Implements `xtremweb.serv.dt.BlockingOOBTransfer`.

Definition at line 90 of file AmazonS3Transfer.java.

References xtremweb.serv.dt.amazonS3.AmazonS3Transfer.amazonaws3toString(),  
xtremweb.serv.dt.OOBTransferImpl.data, xtremweb.core.obj.dc.Locator.getref(),  
xtremweb.core.log.Logger.info(), xtremweb.serv.dt.OOBTransferImpl.local\_locator,  
xtremweb.serv.dt.amazonS3.AmazonS3Transfer.log, xtremweb.serv.dt.OOBTransferImpl.remote\_ -  
locator, xtremweb.serv.dt.amazonS3.AmazonS3Transfer.s3Service, and  
xtremweb.serv.dt.amazonS3.AmazonS3Transfer.testBucket.

Here is the call graph for this function:



### **5.7.3.3 void xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveSenderSide () throws OOBException**

`blockingReceiveSenderSide` implements the blocking receive from the Sender side

## Exceptions:

*OOBException* if an error occurs

Implements `xtremweb.serv.dt.BlockingOOBTransfer`.

Definition at line 120 of file AmazonS3Transfer.java.

**5.7.3.4 void xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendReceiverSide () throws OOBException**

`blockingSendReceiverSide` implements the blocking send method from the Receiver side

## Exceptions:

*OOBException* if an error occurs

Implements `xtremweb.serv.dt.BlockingOOBTransfer`.

Definition at line 88 of file AmazonS3Transfer.java.

### 5.7.3.5 void xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendSenderSide () throws OOBException

`blockingSendSenderSide` implements the blocking Send method from the Sender side

#### Exceptions:

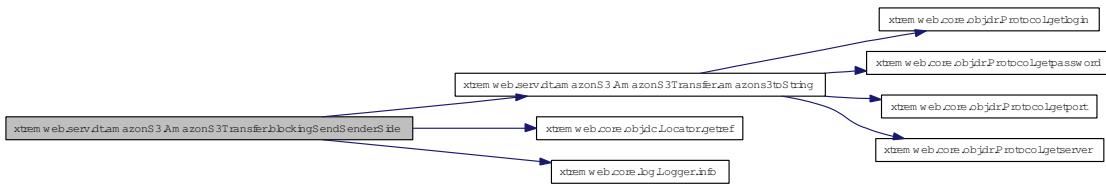
***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 75 of file AmazonS3Transfer.java.

References [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.amazonaws3toString\(\)](#),  
[xtremweb.core.obj.dc.Locator.getref\(\)](#), [xtremweb.core.log.Logger.info\(\)](#),  
[xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#), [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.log](#),  
[xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.s3Service](#),  
and [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.testBucket](#).

Here is the call graph for this function:



### 5.7.3.6 void xtremweb.serv.dt.amazonS3.AmazonS3Transfer.connect () throws OOBException

`connect`

#### Exceptions:

***OOBException*** if an error occurs

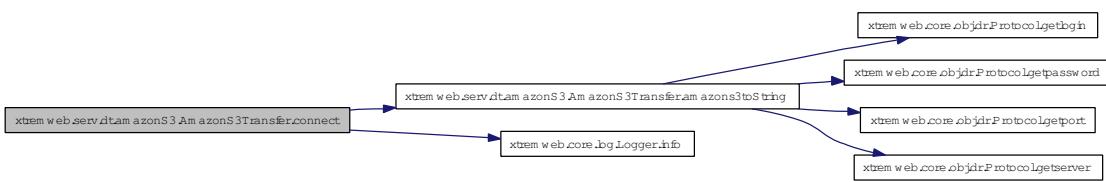
Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 61 of file AmazonS3Transfer.java.

References [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.amazonaws3toString\(\)](#),  
[xtremweb.core.log.Logger.info\(\)](#), [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.log](#),  
[xtremweb.serv.dt.amazonS3.AmazonS3Transfer.s3Service](#), and [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.testBucket](#).

Referenced by [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main\(\)](#).

Here is the call graph for this function:



**5.7.3.7 void xtremweb.serv.dt.amazonS3.AmazonS3Transfer.disconnect () throws OOBException**

Describe disconnect method here.

**Exceptions:**

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 123 of file AmazonS3Transfer.java.

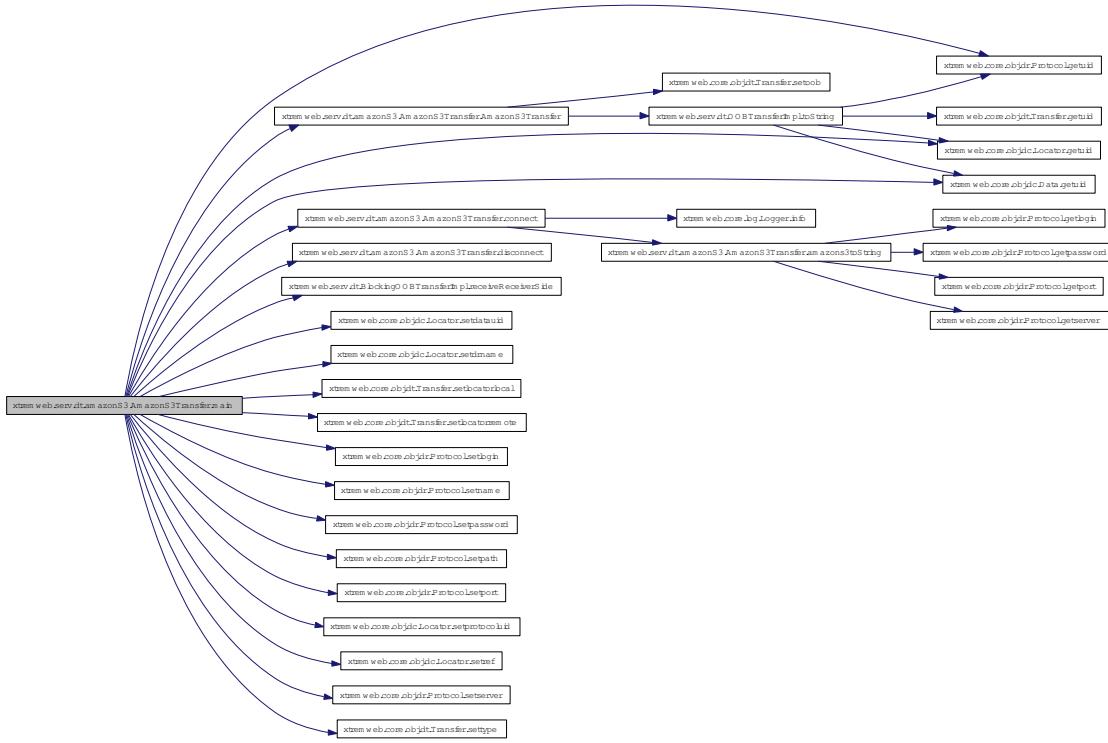
Referenced by [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main\(\)](#).

**5.7.3.8 static void xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main (String[ ] args)  
[static]**

Definition at line 128 of file AmazonS3Transfer.java.

References [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.AmazonS3Transfer\(\)](#),  
[xtremweb.serv.dt.amazonS3.AmazonS3Transfer.connect\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.data](#),  
[xtremweb.serv.dt.amazonS3.AmazonS3Transfer.disconnect\(\)](#), [xtremweb.core.obj.dc.Locator.getuid\(\)](#),  
[xtremweb.core.obj.dr.Protocol.getuid\(\)](#), [xtremweb.core.obj.dc.Data.getuid\(\)](#),  
[xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#), [xtremweb.serv.dt.BlockingOOBTransferImpl.receiveReceiverSide\(\)](#),  
[xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), [xtremweb.core.obj.dc.Locator.setdatauid\(\)](#),  
[xtremweb.core.obj.dc.Locator.setdrname\(\)](#), [xtremweb.core.obj.dt.Transfer.setlocatorlocal\(\)](#),  
[xtremweb.core.obj.dt.Transfer.setlocatorremote\(\)](#), [xtremweb.core.obj.dr.Protocol.setlogin\(\)](#),  
[xtremweb.core.obj.dr.Protocol.setname\(\)](#), [xtremweb.core.obj.dr.Protocol.setpassword\(\)](#),  
[xtremweb.core.obj.dr.Protocol.setpath\(\)](#), [xtremweb.core.obj.dr.Protocol.setport\(\)](#),  
[xtremweb.core.obj.dc.Locator.setprotocoluid\(\)](#), [xtremweb.core.obj.dc.Locator.setref\(\)](#),  
[xtremweb.core.obj.dr.Protocol.setserver\(\)](#), and [xtremweb.core.obj.dt.Transfer.settype\(\)](#).

Here is the call graph for this function:



## 5.7.4 Member Data Documentation

### 5.7.4.1 Logger `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.log = LoggerFactory.getLogger(AmazonS3Transfer.class)` [static, protected]

Definition at line 32 of file AmazonS3Transfer.java.

Referenced by `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide()`, `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendSenderSide()`, and `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.connect()`.

### 5.7.4.2 S3Service `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.s3Service`

Definition at line 33 of file AmazonS3Transfer.java.

Referenced by `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide()`, `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendSenderSide()`, and `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.connect()`.

### 5.7.4.3 S3Bucket `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.testBucket`

Definition at line 34 of file AmazonS3Transfer.java.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendSenderSide(), and xtremweb.serv.dt.amazonS3.AmazonS3Transfer.connect().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/amazonS3/[AmazonS3Transfer.java](#)

## 5.8 xtremweb.serv.dt.amazonS3.AmazonS3Utils Class Reference

### Static Public Member Functions

- static AWSCredentials [loadAWSCredentials \(\) throws IOException](#)
- static S3Bucket [loadS3Bucket \(\) throws IOException](#)

### Static Public Attributes

- static final String [SAMPLES\\_PROPERTIES\\_NAME](#) = "AmazonS3.properties"
- static final String [AWS\\_ACCESS\\_KEY\\_PROPERTY\\_NAME](#) = "awsAccessKey"
- static final String [AWS\\_SECRET\\_KEY\\_PROPERTY\\_NAME](#) = "awsSecretKey"
- static final String [TEST\\_BUCKET\\_PROPERTY\\_NAME](#) = "testbucketName"

#### 5.8.1 Detailed Description

Utilities used by all Sample code, collected in one place for convenience.

##### Author:

James Murty

Definition at line 34 of file AmazonS3Utils.java.

#### 5.8.2 Member Function Documentation

##### 5.8.2.1 static AWSCredentials [xtremweb.serv.dt.amazonS3.AmazonS3Utils.loadAWSCredentials \(\) throws IOException \[static\]](#)

Loads AWS Credentials from the file `samples.properties` ([SAMPLES\\_PROPERTIES\\_NAME](#)) that must be available in the classpath, and must contain settings `awsAccessKey` and `awsSecretKey`.

##### Returns:

the AWS credentials loaded from the samples properties file.

Definition at line 50 of file AmazonS3Utils.java.

References [xtremweb.serv.dt.amazonS3.AmazonS3Utils.AWS\\_ACCESS\\_KEY\\_PROPERTY\\_NAME](#), [xtremweb.serv.dt.amazonS3.AmazonS3Utils.AWS\\_SECRET\\_KEY\\_PROPERTY\\_NAME](#), and [xtremweb.serv.dt.amazonS3.AmazonS3Utils.SAMPLES\\_PROPERTIES\\_NAME](#).

##### 5.8.2.2 static S3Bucket [xtremweb.serv.dt.amazonS3.AmazonS3Utils.loadS3Bucket \(\) throws IOException \[static\]](#)

Definition at line 78 of file AmazonS3Utils.java.

References [xtremweb.serv.dt.amazonS3.AmazonS3Utils.AWS\\_ACCESS\\_KEY\\_PROPERTY\\_NAME](#), [xtremweb.serv.dt.amazonS3.AmazonS3Utils.AWS\\_SECRET\\_KEY\\_PROPERTY\\_NAME](#), [xtremweb.serv.dt.amazonS3.AmazonS3Utils.SAMPLES\\_PROPERTIES\\_NAME](#), and [xtremweb.serv.dt.amazonS3.AmazonS3Utils.TEST\\_BUCKET\\_PROPERTY\\_NAME](#).

### 5.8.3 Member Data Documentation

**5.8.3.1 final String xtremweb.serv.dt.amazonS3.AmazonS3Utils.AWS\_ACCESS\_KEY\_-  
PROPERTY\_NAME = "awsAccessKey" [static]**

Definition at line 37 of file AmazonS3Utils.java.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Utils.loadAWSCredentials(), and xtremweb.serv.dt.amazonS3.AmazonS3Utils.loadS3Bucket().

**5.8.3.2 final String xtremweb.serv.dt.amazonS3.AmazonS3Utils.AWS\_SECRET\_KEY\_-  
PROPERTY\_NAME = "awsSecretKey" [static]**

Definition at line 38 of file AmazonS3Utils.java.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Utils.loadAWSCredentials(), and xtremweb.serv.dt.amazonS3.AmazonS3Utils.loadS3Bucket().

**5.8.3.3 final String xtremweb.serv.dt.amazonS3.AmazonS3Utils.SAMPLES\_PROPERTIES\_-  
NAME = "AmazonS3.properties" [static]**

Definition at line 36 of file AmazonS3Utils.java.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Utils.loadAWSCredentials(), and xtremweb.serv.dt.amazonS3.AmazonS3Utils.loadS3Bucket().

**5.8.3.4 final String xtremweb.serv.dt.amazonS3.AmazonS3Utils.TEST\_BUCKET\_PROPERTY\_-  
NAME = "testbucketName" [static]**

Definition at line 39 of file AmazonS3Utils.java.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Utils.loadS3Bucket().

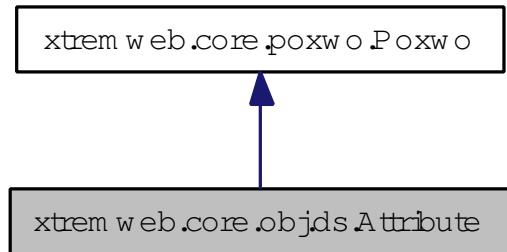
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/amazonS3/[AmazonS3Utils.java](#)

## 5.9 xtremweb.core.obj.ds.Attribute Class Reference

Inherits [xtremweb::core::poxwo::Poxwo](#).

Collaboration diagram for xtremweb.core.obj.ds.Attribute:



### Public Member Functions

- String [getuid\(\)](#)
- void [setuid\(String uid\)](#)
- String [getname\(\)](#)
- void [setname\(String name\)](#)
- int [getmask\(\)](#)
- void [setmask\(int mask\)](#)
- int [getreplicat\(\)](#)
- void [setreplicat\(int replicat\)](#)
- boolean [getft\(\)](#)
- void [setft\(boolean ft\)](#)
- long [getlftabs\(\)](#)
- void [setlftabs\(long lftabs\)](#)
- String [getlftrel\(\)](#)
- void [setlftrel\(String lftrel\)](#)
- String [getaffinity\(\)](#)
- void [setaffinity\(String affinity\)](#)
- String [getoob\(\)](#)
- void [setoob\(String oob\)](#)
- int [getdistrib\(\)](#)
- void [setdistrib\(int distrib\)](#)

### Private Attributes

- String [uid](#)
- String [name](#)
- int [mask](#)
- int [replicat](#)
- boolean [ft](#)
- long [lftabs](#)
- String [lftrel](#)
- String [affinity](#)
- String [oob](#)
- int [distrib](#)

### 5.9.1 Detailed Description

#### [Attribute.java](#)

Declaration of object [Attribute](#)

This code is generated with XwIDL from the definition file used TODO

Do not edit this file !

#### **Author:**

fedak

#### **Version:**

"1.0"

Definition at line 24 of file Attribute.java.

### 5.9.2 Member Function Documentation

#### **5.9.2.1 String xtremweb.core.obj.ds.Attribute.getaffinity ()**

Definition at line 106 of file Attribute.java.

References [xtremweb.core.obj.ds.Attribute.affinity](#).

Referenced by [xtremweb.serv.ds.DataScheduler.getNewDataFromCache\(\)](#), [xtremweb.serv.ds.AttributeUtil.toMultilineString\(\)](#), and [xtremweb.serv.ds.AttributeUtil.toString\(\)](#).

#### **5.9.2.2 int xtremweb.core.obj.ds.Attribute.getdistrib ()**

Definition at line 120 of file Attribute.java.

References [xtremweb.core.obj.ds.Attribute.distrib](#).

Referenced by [xtremweb.serv.ds.DataScheduler.getNewDataFromCache\(\)](#), [xtremweb.serv.ds.AttributeUtil.toMultilineString\(\)](#), and [xtremweb.serv.ds.AttributeUtil.toString\(\)](#).

#### **5.9.2.3 boolean xtremweb.core.obj.ds.Attribute.getft ()**

Definition at line 85 of file Attribute.java.

References [xtremweb.core.obj.ds.Attribute.ft](#).

Referenced by [xtremweb.serv.ds.AttributeUtil.toString\(\)](#).

#### **5.9.2.4 long xtremweb.core.obj.ds.Attribute.getlftabs ()**

Definition at line 92 of file Attribute.java.

References [xtremweb.core.obj.ds.Attribute.lftabs](#).

Referenced by [xtremweb.serv.ds.DataScheduler.removeDataFromCache\(\)](#), [xtremweb.serv.ds.AttributeUtil.toMultilineString\(\)](#), and [xtremweb.serv.ds.AttributeUtil.toString\(\)](#).

**5.9.2.5 String xtremweb.core.obj.ds.Attribute.getlftrel ()**

Definition at line 99 of file Attribute.java.

References xtremweb.core.obj.ds.Attribute.lftrel.

Referenced by xtremweb.serv.ds.DataScheduler.removeDataFromCache(), xtremweb.serv.ds.AttributeUtil.toMultilineString(), and xtremweb.serv.ds.AttributeUtil.toString().

**5.9.2.6 int xtremweb.core.obj.ds.Attribute.getmask ()**

Definition at line 71 of file Attribute.java.

References xtremweb.core.obj.ds.Attribute.mask.

Referenced by xtremweb.serv.ds.AttributeType.isAttributeTypeSet(), xtremweb.serv.ds.AttributeType.setAttributeTypeOff(), xtremweb.serv.ds.AttributeType.setAttributeTypeOn(), xtremweb.serv.ds.AttributeUtil.toMultilineString(), and xtremweb.serv.ds.AttributeUtil.toString().

**5.9.2.7 String xtremweb.core.obj.ds.Attribute.getname ()**

Definition at line 64 of file Attribute.java.

References xtremweb.core.obj.ds.Attribute.name.

Referenced by xtremweb.role.mw.Master2.MasterCallback.onDataDeleted(), xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(), xtremweb.role.mw.Master2.MasterCallback.onDataScheduled(), xtremweb.role.examples.Updater.UpdaterCallback.onDataScheduled(), xtremweb.role.examples.PingPong.PongCallback.onDataScheduled(), xtremweb.role.examples.PingPong.PingCallback.onDataScheduled(), xtremweb.role.examples.HelloWorld.HelloWorldCallback.onDataScheduled(), xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled(), xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled(), xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled(), xtremweb.serv.ds.AttributeUtil.toMultilineString(), and xtremweb.serv.ds.AttributeUtil.toString().

**5.9.2.8 String xtremweb.core.obj.ds.Attribute.getoob ()**

Definition at line 113 of file Attribute.java.

References xtremweb.core.obj.ds.Attribute.oob.

Referenced by xtremweb.serv.ds.AttributeUtil.toMultilineString(), and xtremweb.serv.ds.AttributeUtil.toString().

**5.9.2.9 int xtremweb.core.obj.ds.Attribute.getreplicat ()**

Definition at line 78 of file Attribute.java.

References xtremweb.core.obj.ds.Attribute.replicat.

Referenced by xtremweb.serv.ds.DataScheduler.getNewDataFromCache(), xtremweb.serv.ds.AttributeUtil.toMultilineString(), and xtremweb.serv.ds.AttributeUtil.toString().

**5.9.2.10 String xtremweb.core.obj.ds.Attribute.getuid () [virtual]**

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 57 of file Attribute.java.

References xtremweb.core.obj.ds.Attribute.uid.

Referenced by xtremweb.role.ui.DataBaseServlet.browse(), xtremweb.api.activedata.ActiveData.checkData(), xtremweb.serv.ds.CacheEntry.getAttributeUid(), xtremweb.serv.ds.DataScheduler.getNewDataFromCache(), xtremweb.serv.ds.AttributeUtil.toString(), and xtremweb.serv.ds.DataScheduler.updateAttribute().

#### **5.9.2.11 void xtremweb.core.obj.ds.Attribute.setaffinity (String *affinity*)**

Definition at line 109 of file Attribute.java.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.serv.ds.AttributeUtil.parseAttribute(), xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), and xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCach

#### **5.9.2.12 void xtremweb.core.obj.ds.Attribute.setdistrib (int *distrib*)**

Definition at line 123 of file Attribute.java.

Referenced by xtremweb.serv.ds.AttributeUtil.parseAttribute(), and xtremweb.serv.ds.test.DataSchedulerTest.testDistrib().

#### **5.9.2.13 void xtremweb.core.obj.ds.Attribute.setft (boolean *ft*)**

Definition at line 88 of file Attribute.java.

Referenced by xtremweb.serv.ds.AttributeUtil.parseAttribute().

#### **5.9.2.14 void xtremweb.core.obj.ds.Attribute.setlftabs (long *lftabs*)**

Definition at line 95 of file Attribute.java.

Referenced by xtremweb.serv.ds.AttributeUtil.parseAttribute(), and xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataF

#### **5.9.2.15 void xtremweb.core.obj.ds.Attribute.setlftrel (String *lftrel*)**

Definition at line 102 of file Attribute.java.

Referenced by xtremweb.serv.ds.AttributeUtil.parseAttribute(), and xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataF

#### **5.9.2.16 void xtremweb.core.obj.ds.Attribute.setmask (int *mask*)**

Definition at line 74 of file Attribute.java.

Referenced by xtremweb.serv.ds.AttributeType.setAttributeTypeOff(), and xtremweb.serv.ds.AttributeType.setAttributeTypeOn().

#### **5.9.2.17 void xtremweb.core.obj.ds.Attribute.setname (String *name*)**

Definition at line 67 of file Attribute.java.

Referenced by xtremweb.serv.ds.AttributeUtil.parseAttribute().

**5.9.2.18 void xtremweb.core.obj.ds.Attribute.setoob (String *oob*)**

Definition at line 116 of file Attribute.java.

Referenced by xtremweb.serv.ds.AttributeUtil.parseAttribute().

**5.9.2.19 void xtremweb.core.obj.ds.Attribute.setreplicat (int *replicat*)**

Definition at line 81 of file Attribute.java.

Referenced by xtremweb.serv.ds.AttributeUtil.parseAttribute(), xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), and xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache().

**5.9.2.20 void xtremweb.core.obj.ds.Attribute.setuid (String *uid*) [virtual]**

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 60 of file Attribute.java.

### 5.9.3 Member Data Documentation

**5.9.3.1 String xtremweb.core.obj.ds.Attribute.affinity [private]**

Definition at line 49 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getaffinity().

**5.9.3.2 int xtremweb.core.obj.ds.Attribute.distrib [private]**

Definition at line 55 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getdistrib().

**5.9.3.3 boolean xtremweb.core.obj.ds.Attribute.ft [private]**

Definition at line 40 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getft().

**5.9.3.4 long xtremweb.core.obj.ds.Attribute.lftabs [private]**

Definition at line 43 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getlftabs().

**5.9.3.5 String xtremweb.core.obj.ds.Attribute.lftrel [private]**

Definition at line 46 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getlftrel().

**5.9.3.6 int xtremweb.core.obj.ds.Attribute.mask [private]**

Definition at line 34 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getmask().

**5.9.3.7 String xtremweb.core.obj.ds.Attribute.name [private]**

Definition at line 31 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getname().

**5.9.3.8 String xtremweb.core.obj.ds.Attribute.oob [private]**

Definition at line 52 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getoob().

**5.9.3.9 int xtremweb.core.obj.ds.Attribute.replicat [private]**

Definition at line 37 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getreplicat().

**5.9.3.10 String xtremweb.core.obj.ds.Attribute.uid [private]**

Definition at line 28 of file Attribute.java.

Referenced by xtremweb.core.obj.ds.Attribute.getuid().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/obj/ds/[Attribute.java](#)

## 5.10 xtremweb.serv.ds.AttributeType Class Reference

### Static Public Member Functions

- static void [setAttributeTypeOn](#) ([Attribute](#) attr, int type)
- static void [setAttributeTypeOff](#) ([Attribute](#) attr, int type)
- static boolean [isAttributeTypeSet](#) ([Attribute](#) attr, int type)

### Static Public Attributes

- static final int [REPLICAT](#) = 1
- static final int [FT](#) = 2
- static final int [AFFINITY](#) = 4
- static final int [LFTABS](#) = 8
- static final int [LFTREL](#) = 16
- static final int [OOB](#) = 32
- static final int [DISTRIB](#) = 64

### 5.10.1 Detailed Description

Describe class [AttributeType](#) here.

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 12 of file AttributeType.java.

### 5.10.2 Member Function Documentation

#### 5.10.2.1 static boolean xtremweb.serv.ds.AttributeType.isAttributeTypeSet ([Attribute](#) attr, int type) [static]

[isAttributeTypeSet](#) [test](#) if the specified [Attribute](#) object has the flag ([AttributeType](#) constant) set

#### Parameters:

*attr* an [Attribute](#) value  
*type* an int value

#### Returns:

a boolean value

Definition at line 85 of file AttributeType.java.

References [xtremweb.core.obj.ds.Attribute.getmask\(\)](#).

Here is the call graph for this function:



### 5.10.2.2 static void xtremweb.serv.ds.AttributeType.setAttributeTypeOff (Attribute *attr*, int *type*) [static]

`setAttributeTypeOff` untoggle the specified Attribute object the flag ([AttributeType](#) constant)

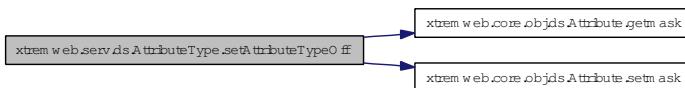
**Parameters:**

*attr* an Attribute value  
*type* an int value

Definition at line 74 of file AttributeType.java.

References `xtremweb.core.obj.ds.Attribute.getmask()`, and `xtremweb.core.obj.ds.Attribute.setmask()`.

Here is the call graph for this function:



### 5.10.2.3 static void xtremweb.serv.ds.AttributeType.setAttributeTypeOn (Attribute *attr*, int *type*) [static]

`setAttributeTypeOn` toggle the specified Attribute object the flag ([AttributeType](#) constant)

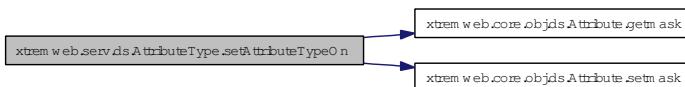
**Parameters:**

*attr* an Attribute value  
*type* an int value

Definition at line 63 of file AttributeType.java.

References `xtremweb.core.obj.ds.Attribute.getmask()`, and `xtremweb.core.obj.ds.Attribute.setmask()`.

Here is the call graph for this function:



## 5.10.3 Member Data Documentation

### 5.10.3.1 final int xtremweb.serv.ds.AttributeType.AFFINITY = 4 [static]

constant AFFINITY : placement affinity to other data

Definition at line 31 of file AttributeType.java.

**5.10.3.2 final int xtremweb.serv.ds.AttributeType.DISTRIB = 64 [static]**

constant DISTRIB: maximal number of data

Definition at line 55 of file AttributeType.java.

**5.10.3.3 final int xtremweb.serv.ds.AttributeType.FT = 2 [static]**

constant FT : resilience to machine crash

Definition at line 25 of file AttributeType.java.

**5.10.3.4 final int xtremweb.serv.ds.AttributeType.LFTABS = 8 [static]**

constant LFTABS : absolute lifetime

Definition at line 37 of file AttributeType.java.

**5.10.3.5 final int xtremweb.serv.ds.AttributeType.LFTREL = 16 [static]**

constant LFTREL : relative lifetime

Definition at line 43 of file AttributeType.java.

**5.10.3.6 final int xtremweb.serv.ds.AttributeType.OOB = 32 [static]**

constant OOB : out-of-band transfer protocol

Definition at line 49 of file AttributeType.java.

**5.10.3.7 final int xtremweb.serv.ds.AttributeType.REPLICAT = 1 [static]**

constant REPLICAT : number of data copies in the system

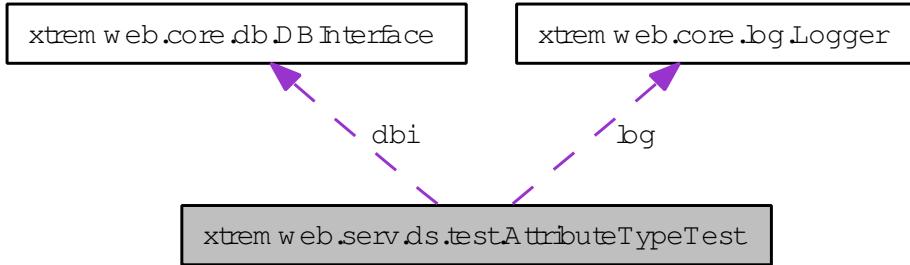
Definition at line 19 of file AttributeType.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/[AttributeType.java](#)

## 5.11 xtremweb.serv.ds.test.AttributeTypeTest Class Reference

Collaboration diagram for xtremweb.serv.ds.test.AttributeTypeTest:



### Public Member Functions

- void `setAttributeTypeTestIndividualOnOff()`
- void `setAttributeTypeTestAllOnAllOff()`

### Package Attributes

- `Logger log = LoggerFactory.getLogger("Attribute Type Test")`
- `DBInterface dbi = DBInterfaceFactory.getDBInterface()`

#### 5.11.1 Detailed Description

Describe class [AttributeTypeTest](#) here.

Created: Fri Nov 2 14:27:10 2007

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 26 of file `AttributeTypeTest.java`.

#### 5.11.2 Member Function Documentation

##### 5.11.2.1 void xtremweb.serv.ds.test.AttributeTypeTest.setAttributeTypeTestAllOnAllOff()

Definition at line 167 of file `AttributeTypeTest.java`.

References `xtremweb.serv.ds.test.AttributeTypeTest.dbi`, and `xtremweb.core.db.DBInterface.makePersistent()`.

Here is the call graph for this function:



### 5.11.2.2 void xtremweb.serv.ds.test.AttributeTypeTest.setAttributeTypeTestIndividualOnOff ()

Definition at line 32 of file AttributeTypeTest.java.

References xtremweb.serv.ds.test.AttributeTypeTest.dbi, and xtremweb.core.db.DBInterface.makePersistent().

Here is the call graph for this function:



## 5.11.3 Member Data Documentation

### 5.11.3.1 DBInterface xtremweb.serv.ds.test.AttributeTypeTest.dbi = DBInterfaceFactory.getDBInterface() [package]

Definition at line 29 of file AttributeTypeTest.java.

Referenced by xtremweb.serv.ds.test.AttributeTypeTest.setAttributeTypeTestAllOnAllOff(), and xtremweb.serv.ds.test.AttributeTypeTest.setAttributeTypeTestIndividualOnOff().

### 5.11.3.2 Logger xtremweb.serv.ds.test.AttributeTypeTest.log = LoggerFactory.getLogger("Attribute Type Test") [package]

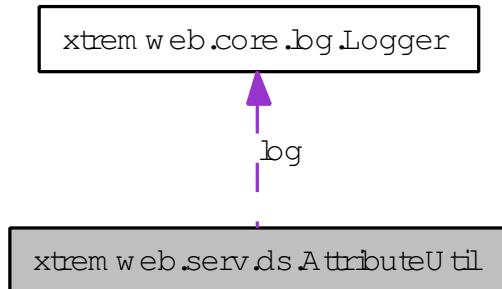
Definition at line 28 of file AttributeTypeTest.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/test/[AttributeTypeTest.java](#)

## 5.12 xtremweb.serv.ds.AttributeUtil Class Reference

Collaboration diagram for xtremweb.serv.ds.AttributeUtil:



### Static Public Member Functions

- static String [toString \(Attribute attr\)](#)
- static String [toMultilineString \(Attribute attr\)](#)
- static [Attribute parseAttribute \(String args\) throws ActiveDataException](#)
- static [Attribute parseAttribute \(String\[ \] args\) throws ActiveDataException](#)

### Static Public Attributes

- static [Logger log = LoggerFactory.getLogger\(AttributeUtil.class\)](#)

#### 5.12.1 Detailed Description

Definition at line 17 of file AttributeUtil.java.

#### 5.12.2 Member Function Documentation

##### 5.12.2.1 static Attribute [xtremweb.serv.ds.AttributeUtil.parseAttribute \(String\[ \] args\) throws ActiveDataException \[static\]](#)

Definition at line 76 of file AttributeUtil.java.

References	<a href="#">xtremweb.core.log.Logger.debug()</a> , <a href="#">xtremweb.core.obj.ds.Attribute.setaffinity()</a> , <a href="#">xtremweb.core.obj.ds.Attribute.setfft()</a> , <a href="#">xtremweb.core.obj.ds.Attribute.setlftrel()</a> , <a href="#">xtremweb.core.obj.ds.Attribute.setoob()</a> , and <a href="#">xtremweb.core.obj.ds.Attribute.setreplicat()</a> .	<a href="#">xtremweb.serv.ds.AttributeUtil.log</a> , <a href="#">xtremweb.core.obj.ds.Attribute.setdistrib()</a> , <a href="#">xtremweb.core.obj.ds.Attribute.setlftabs()</a> , <a href="#">xtremweb.core.obj.ds.Attribute.setname()</a> ,
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Here is the call graph for this function:



### 5.12.2.2 static Attribute xtremweb.serv.ds.AttributeUtil.parseAttribute (String args) throws ActiveDataException [static]

Definition at line 70 of file AttributeUtil.java.

### 5.12.2.3 static String xtremweb.serv.ds.AttributeUtil.toMultilineString (Attribute attr) [static]

Definition at line 41 of file AttributeUtil.java.

References xtremweb.core.obj.ds.Attribute.getaffinity(), xtremweb.core.obj.ds.Attribute.getdistrib(),  
 xtremweb.core.obj.ds.Attribute.getlftabs(), xtremweb.core.obj.ds.Attribute.getlftrel(),  
 xtremweb.core.obj.ds.Attribute.getmask(), xtremweb.core.obj.ds.Attribute.getname(),  
 xtremweb.core.obj.ds.Attribute.getoob(), and xtremweb.core.obj.ds.Attribute.getreplicat().

Here is the call graph for this function:

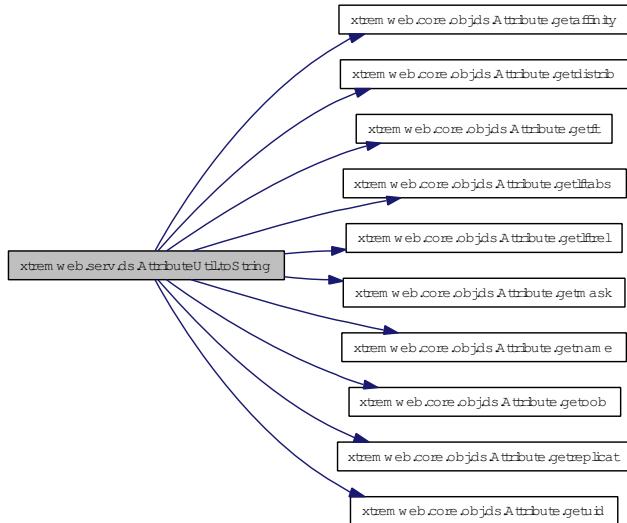


#### 5.12.2.4 static String xtremweb.serv.ds.AttributeUtil.toString (Attribute *attr*) [static]

Definition at line 21 of file AttributeUtil.java.

References `xtremweb.core.obj.ds.Attribute.getaffinity()`, `xtremweb.core.obj.ds.Attribute.getdistrib()`, `xtremweb.core.obj.ds.Attribute.getft()`, `xtremweb.core.obj.ds.Attribute.getlftabs()`, `xtremweb.core.obj.ds.Attribute.getlftrel()`, `xtremweb.core.obj.ds.Attribute.getmask()`, `xtremweb.core.obj.ds.Attribute.getname()`, `xtremweb.core.obj.ds.Attribute.getoob()`, `xtremweb.core.obj.ds.Attribute.getreplicat()`, and `xtremweb.core.obj.ds.Attribute.getuid()`.

Here is the call graph for this function:



### 5.12.3 Member Data Documentation

#### 5.12.3.1 Logger `xtremweb.serv.ds.AttributeUtil.log = LoggerFactory.getLogger(AttributeUtil.class)` [static]

Definition at line 19 of file AttributeUtil.java.

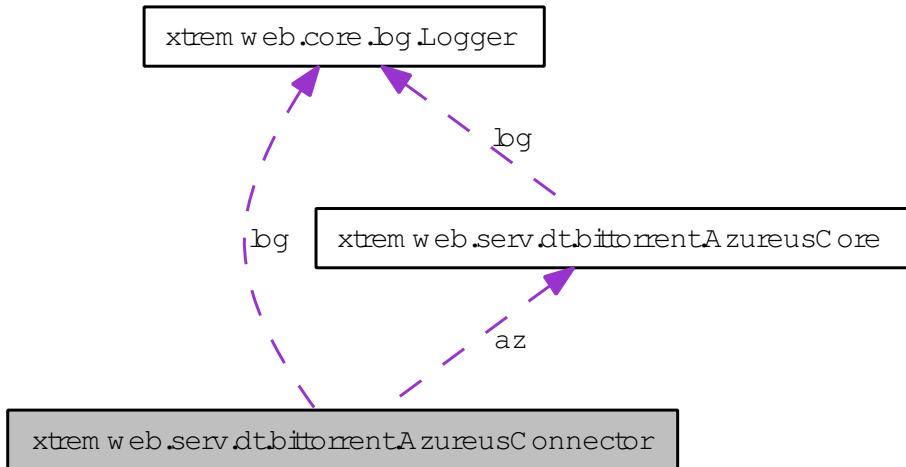
Referenced by `xtremweb.serv.ds.AttributeUtil.parseAttribute()`.

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

- /Users/fedak/shared/projects/bidew/trunk-1/src/xtremweb/serv/ds/[AttributeUtil.java](#)

## 5.13 xtremweb.serv.dt.bittorrent.AzureusConnector Class Reference

Collaboration diagram for xtremweb.serv.dt.bittorrent.AzureusConnector:



### Public Member Functions

- [AzureusConnector \(\)](#) throws BitTorrentException
- boolean [sendMsg \(String\[ \] args\)](#) throws BitTorrentException

### Static Public Member Functions

- static boolean [sendMsg \(String arg\)](#) throws BitTorrentException
- static void [main \(String args\[ \]\)](#) throws Exception

### Static Public Attributes

- static final String [ACCESS\\_STRING](#) = "Azureus Start Server Access"

### Static Protected Attributes

- static [Logger log](#) = LoggerFactory.getLogger(BitTorrentConnector.class)
- static [AzureusCore az](#) = null

#### 5.13.1 Detailed Description

Definition at line 20 of file AzureusConnector.java.

### 5.13.2 Constructor & Destructor Documentation

#### 5.13.2.1 `xtremweb.serv.dt.bittorrent.AzureusConnector.AzureusConnector () throws BittorrentException`

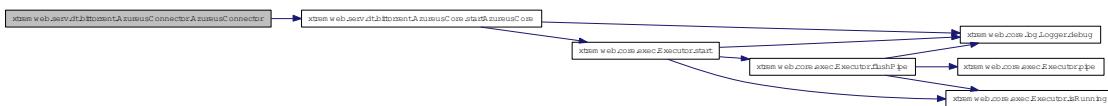
Creates a new `AzureusConnector` instance.

Definition at line 32 of file `AzureusConnector.java`.

References `xtremweb.serv.dt.bittorrent.AzureusConnector.az`, and `xtremweb.serv.dt.bittorrent.AzureusCore.startAzureusCore()`.

Referenced by `xtremweb.serv.dt.bittorrent.AzureusConnector.main()`.

Here is the call graph for this function:



### 5.13.3 Member Function Documentation

#### 5.13.3.1 `static void xtremweb.serv.dt.bittorrent.AzureusConnector.main (String args[] ) throws Exception [static]`

Definition at line 131 of file `AzureusConnector.java`.

References `xtremweb.serv.dt.bittorrent.AzureusConnector.AzureusConnector()`.

Here is the call graph for this function:



#### 5.13.3.2 `static boolean xtremweb.serv.dt.bittorrent.AzureusConnector.sendMsg (String arg) throws BittorrentException [static]`

Attempt to send args via socket connection.

##### Returns:

true if successful, false if connection attempt failed

Definition at line 93 of file `AzureusConnector.java`.

References `xtremweb.core.log.Logger.debug()`, and `xtremweb.serv.dt.bittorrent.AzureusConnector.log`.

Here is the call graph for this function:



### 5.13.3.3 boolean xtremweb.serv.dt.bittorrent.AzureusConnector.sendMsg (String[ ] args) throws BittorrentException

Attempt to send args via socket connection.

#### Returns:

true if successful, false if connection attempt failed

Definition at line 43 of file AzureusConnector.java.

References xtremweb.serv.dt.bittorrent.AzureusConnector.ACCESS\_STRING, xtremweb.core.log.Logger.debug(), and xtremweb.serv.dt.bittorrent.AzureusConnector.log.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.init(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlocking() and xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingSendSenderSide().

Here is the call graph for this function:



## 5.13.4 Member Data Documentation

### 5.13.4.1 final String xtremweb.serv.dt.bittorrent.AzureusConnector.ACCESS\_STRING = "Azureus Start Server Access" [static]

Definition at line 23 of file AzureusConnector.java.

Referenced by xtremweb.serv.dt.bittorrent.AzureusConnector.sendMsg().

### 5.13.4.2 AzureusCore xtremweb.serv.dt.bittorrent.AzureusConnector.az = null [static, protected]

Definition at line 26 of file AzureusConnector.java.

Referenced by xtremweb.serv.dt.bittorrent.AzureusConnector.AzureusConnector().

### 5.13.4.3 Logger xtremweb.serv.dt.bittorrent.AzureusConnector.log = LoggerFactory.getLogger(BittorrentConnector.class) [static, protected]

Definition at line 24 of file AzureusConnector.java.

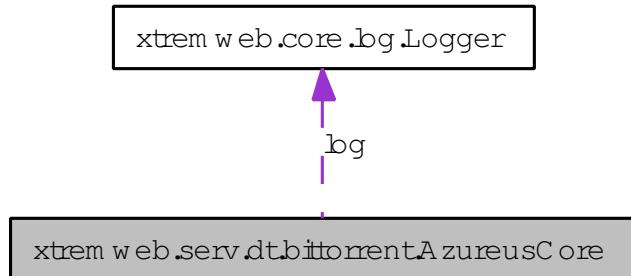
Referenced by xtremweb.serv.dt.bittorrent.AzureusConnector.sendMsg().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/bittorrent/[AzureusConnector.java](#)

## 5.14 xtremweb.serv.dt.bittorrent.AzureusCore Class Reference

Collaboration diagram for xtremweb.serv.dt.bittorrent.AzureusCore:



### Public Member Functions

- [AzureusCore \(\)](#)
- [AzureusCore \(String path\)](#)
- void [startAzureusCore \(\)](#) throws BittorrentException

### Static Public Member Functions

- static void [main \(String\[ \] args\)](#) throws Exception

### Static Public Attributes

- static final String [DEFAULT\\_AZUREUS\\_JAR](#) = "lib/azureus.jar"

### Static Protected Attributes

- static [Logger log](#) = LoggerFactory.getLogger(AzureusCore.class)

### Private Attributes

- String [jarAzureus](#)
- String [azureusPath](#)

#### 5.14.1 Detailed Description

[AzureusCore](#) is a class which permits to launch the Azureus software as a daemon

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 17 of file AzureusCore.java.

## 5.14.2 Constructor & Destructor Documentation

### 5.14.2.1 xtremweb.serv.dt.bittorrent.AzureusCore.AzureusCore ()

Definition at line 26 of file AzureusCore.java.

Referenced by xtremweb.serv.dt.bittorrent.AzureusCore.main().

### 5.14.2.2 xtremweb.serv.dt.bittorrent.AzureusCore.AzureusCore (String path)

Creates a new [AzureusCore](#) instance.

Definition at line 34 of file AzureusCore.java.

References xtremweb.serv.dt.bittorrent.AzureusCore.azureusPath, xtremweb.serv.dt.bittorrent.AzureusCore.DEFAULT\_-AZUREUS\_JAR, xtremweb.serv.dt.bittorrent.AzureusCore.jarAzureus, xtremweb.serv.dt.bittorrent.AzureusCore.log, and xtremweb.core.log.Logger.warn().

Here is the call graph for this function:



## 5.14.3 Member Function Documentation

### 5.14.3.1 static void xtremweb.serv.dt.bittorrent.AzureusCore.main (String[ ] args) throws Exception [static]

main test the launch of Azureus

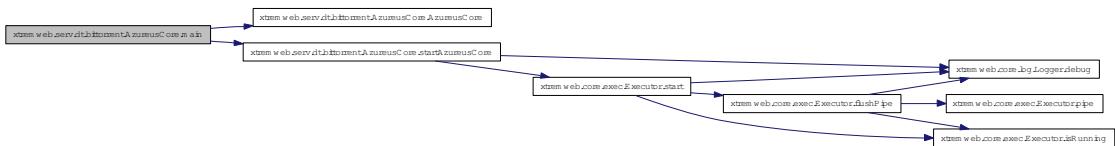
#### Parameters:

*args* a String[ ] value

Definition at line 80 of file AzureusCore.java.

References xtremweb.serv.dt.bittorrent.AzureusCore.AzureusCore(), and xtremweb.serv.dt.bittorrent.AzureusCore.startAzureusCore().

Here is the call graph for this function:



### 5.14.3.2 void xtremweb.serv.dt.bittorrent.AzureusCore.startAzureusCore () throws BittorrentException

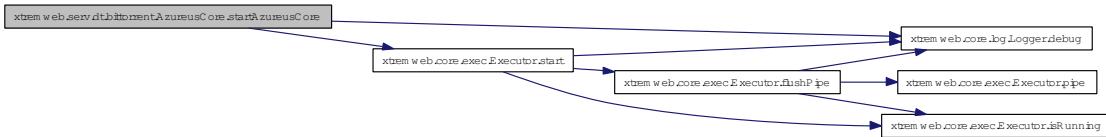
startAzureusCore start the daemon

Definition at line 53 of file AzureusCore.java.

References `xtremweb.serv.dt.bittorrent.AzureusCore.azureusPath`, `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.bittorrent.AzureusCore.jarAzureus`, `xtremweb.serv.dt.bittorrent.AzureusCore.log`, and `xtremweb.core.exec.Executor.start()`.

Referenced by `xtremweb.serv.dt.bittorrent.AzureusConnector.AzureusConnector()`, and `xtremweb.serv.dt.bittorrent.AzureusCore.main()`.

Here is the call graph for this function:



#### 5.14.4 Member Data Documentation

##### 5.14.4.1 String `xtremweb.serv.dt.bittorrent.AzureusCore.azureusPath` [private]

Definition at line 20 of file AzureusCore.java.

Referenced by `xtremweb.serv.dt.bittorrent.AzureusCore.AzureusCore()`, and `xtremweb.serv.dt.bittorrent.AzureusCore.startAzureusCore()`.

##### 5.14.4.2 final String `xtremweb.serv.dt.bittorrent.AzureusCore.DEFAULT_AZUREUS_JAR = "lib/azureus.jar"` [static]

Definition at line 22 of file AzureusCore.java.

Referenced by `xtremweb.serv.dt.bittorrent.AzureusCore.AzureusCore()`.

##### 5.14.4.3 String `xtremweb.serv.dt.bittorrent.AzureusCore.jarAzureus` [private]

Definition at line 19 of file AzureusCore.java.

Referenced by `xtremweb.serv.dt.bittorrent.AzureusCore.AzureusCore()`, and `xtremweb.serv.dt.bittorrent.AzureusCore.startAzureusCore()`.

##### 5.14.4.4 Logger `xtremweb.serv.dt.bittorrent.AzureusCore.log = LoggerFactory.getLogger(AzureusCore.class)` [static, protected]

Definition at line 24 of file AzureusCore.java.

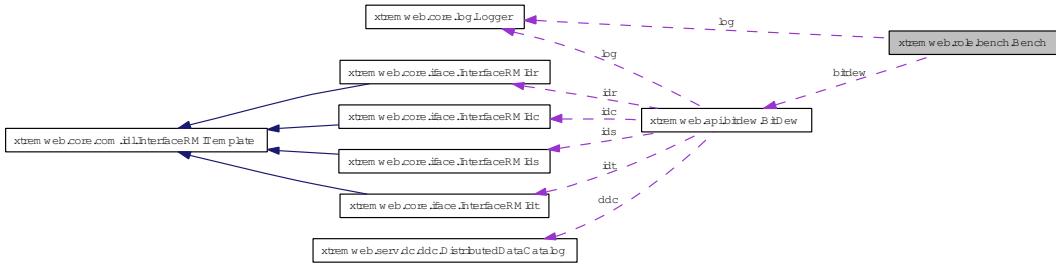
Referenced by `xtremweb.serv.dt.bittorrent.AzureusCore.AzureusCore()`, and `xtremweb.serv.dt.bittorrent.AzureusCore.startAzureusCore()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/bittorrent/[AzureusCore.java](#)

## 5.15 xtremweb.role.bench.Bench Class Reference

Collaboration diagram for xtremweb.role.bench.Bench:



### Public Member Functions

- `Bench (BitDew bd)`
- File `createFile` (int taille, int loop) throws BitDewException
- boolean `verifyFile` (int taille, int rang, int loop)
- void `benchPingPong` (int size\_begin, int size\_end, int size\_inc, int loop, int burst, String oob, String output) throws BitDewException
- void `warmup` (String oob) throws BitDewException

### Static Public Member Functions

- static void `main` (String[ ] args)

### Static Public Attributes

- static `Logger log` = LoggerFactory.getLogger(Bench.class)
- static final String `DEFAULT_TEMP_DIR_NAME` = "/opt/tmp"
- static String `tempDirName` = `DEFAULT_TEMP_DIR_NAME`

### Protected Attributes

- `BitDew bitdew`

### Static Private Member Functions

- static void `usage` ()

#### 5.15.1 Detailed Description

`Bench` is a benchmark class which testes pingPong communications. It requires a service nodes running dr, dc dt and the client runs the `Bench` class. The benchmark is a classical pingPong mesure : data are PUT to the dr and retrieved with GET

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 33 of file Bench.java.

## 5.15.2 Constructor & Destructor Documentation

### 5.15.2.1 xtremweb.role.bench.Bench.Bench (BitDew *bd*)

Creates a new [Bench](#) instance.

**Parameters:**

*bd* a BitDew value

Definition at line 52 of file Bench.java.

References xtremweb.role.bench.Bench.bitdew.

Referenced by xtremweb.role.bench.Bench.main().

## 5.15.3 Member Function Documentation

### 5.15.3.1 void xtremweb.role.bench.Bench.benchPingPong (int *size\_begin*, int *size\_end*, int *size\_inc*, int *loop*, int *burst*, String *oob*, String *output*) throws BitDewException

Describe benchPingPong method here.

**Parameters:**

*size\_begin* an int value

*size\_end* an int value

*size\_inc* an int value

*loop* an int value

*burst* an int value

*oob* a String value

*output* a String value

**Exceptions:**

*BitDewException* if an error occurs

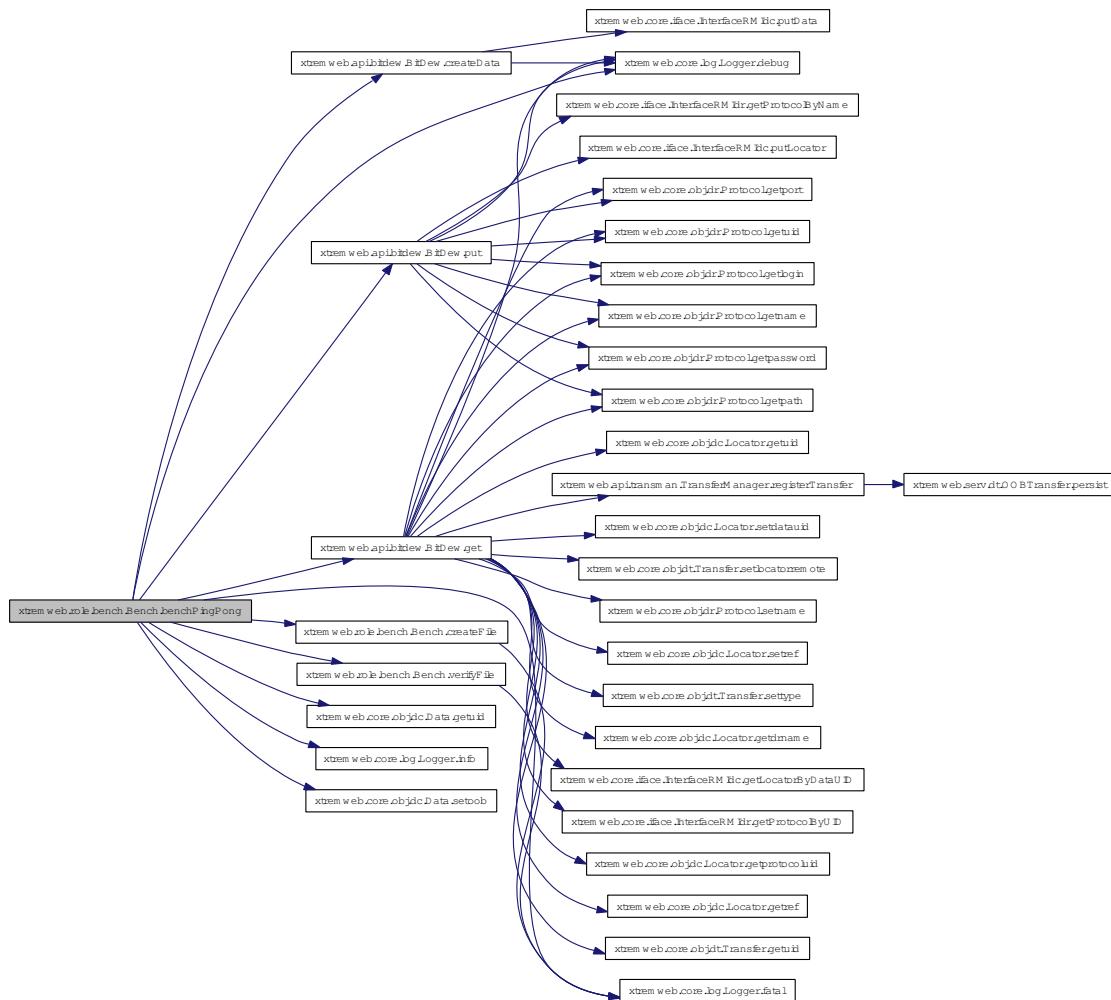
Definition at line 148 of file Bench.java.

References xtremweb.role.bench.Bench.bitdew, xtremweb.api.bitdew.BitDew.createData(), xtremweb.role.bench.Bench.createFile(), xtremweb.core.log.Logger.debug(), xtremweb.core.log.Logger.fatal(), xtremweb.api.bitdew.BitDew.get(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.core.log.Logger.info(), xtremweb.role.bench.Bench.log, xtremweb.api.bitdew.BitDew.put(),

xtremweb.core.obj.dc.Data.setoob(), xtremweb.role.bench.Bench.tempDirName, and xtremweb.role.bench.Bench.verifyFile().

Referenced by xtremweb.role.bench.Bench.main(), and xtremweb.role.bench.Bench.warmup().

Here is the call graph for this function:



#### **5.15.3.2 File `xtremweb.role.bench.Bench.createFile(int taille, int loop)` throws BitDewException**

`createFile` create files with specified size named TEST\_size\_loop

#### Parameters:

*taille* an int value

**loop** an int value

### Returns:

a File value

**Exceptions:**

***BitDewException*** if an error occurs

Definition at line 80 of file Bench.java.

References xtremweb.core.log.Logger.fatal(), xtremweb.role.bench.Bench.log, and xtremweb.role.bench.Bench.tempDirName.

Referenced by xtremweb.role.bench.Bench.benchPingPong().

Here is the call graph for this function:

**5.15.3.3 static void xtremweb.role.bench.Bench.main (String[] args) [static]**

main starts the Benchmark

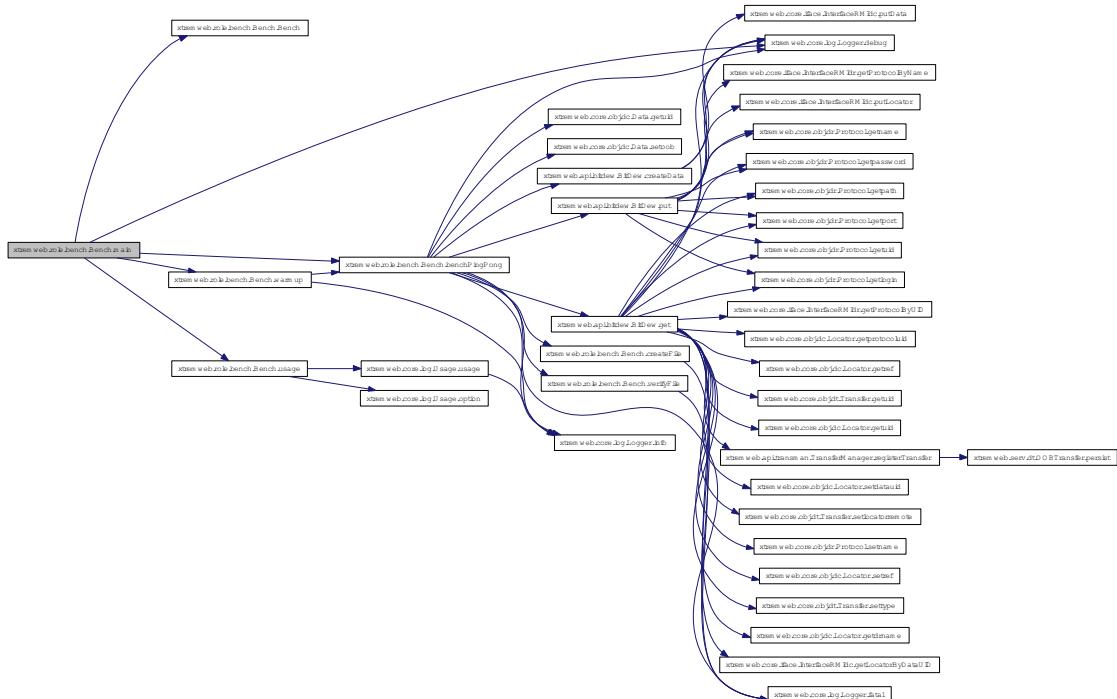
**Parameters:**

*args* a String[] value

Definition at line 257 of file Bench.java.

References xtremweb.role.bench.Bench.Bench(), xtremweb.role.bench.Bench.benchPingPong(), xtremweb.core.log.Logger.debug(), xtremweb.role.bench.Bench.DEFAULT\_TEMP\_DIR\_NAME, xtremweb.role.bench.Bench.log, xtremweb.role.bench.Bench.tempDirName, xtremweb.role.bench.Bench.usage(), and xtremweb.role.bench.Bench.warmup().

Here is the call graph for this function:



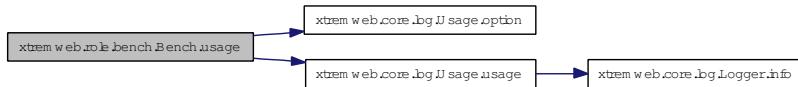
**5.15.3.4 static void xtremweb.role.bench.Bench.usage () [static, private]**

Definition at line 56 of file Bench.java.

References xtremweb.core.log.Usage.option(), and xtremweb.core.log.Usage.usage().

Referenced by xtremweb.role.bench.Bench.main().

Here is the call graph for this function:

**5.15.3.5 boolean xtremweb.role.bench.Bench.verifyFile (int *taille*, int *rang*, int *loop*)**

*verifyFile* verifies that the file is correct

**Parameters:**

*taille* an int value

*rang* an int value

*loop* an int value

**Returns:**

a boolean value

Definition at line 112 of file Bench.java.

References xtremweb.core.log.Logger.fatal(), xtremweb.role.bench.Bench.log, and xtremweb.role.bench.Bench.tempDirName.

Referenced by xtremweb.role.bench.Bench.benchPingPong().

Here is the call graph for this function:

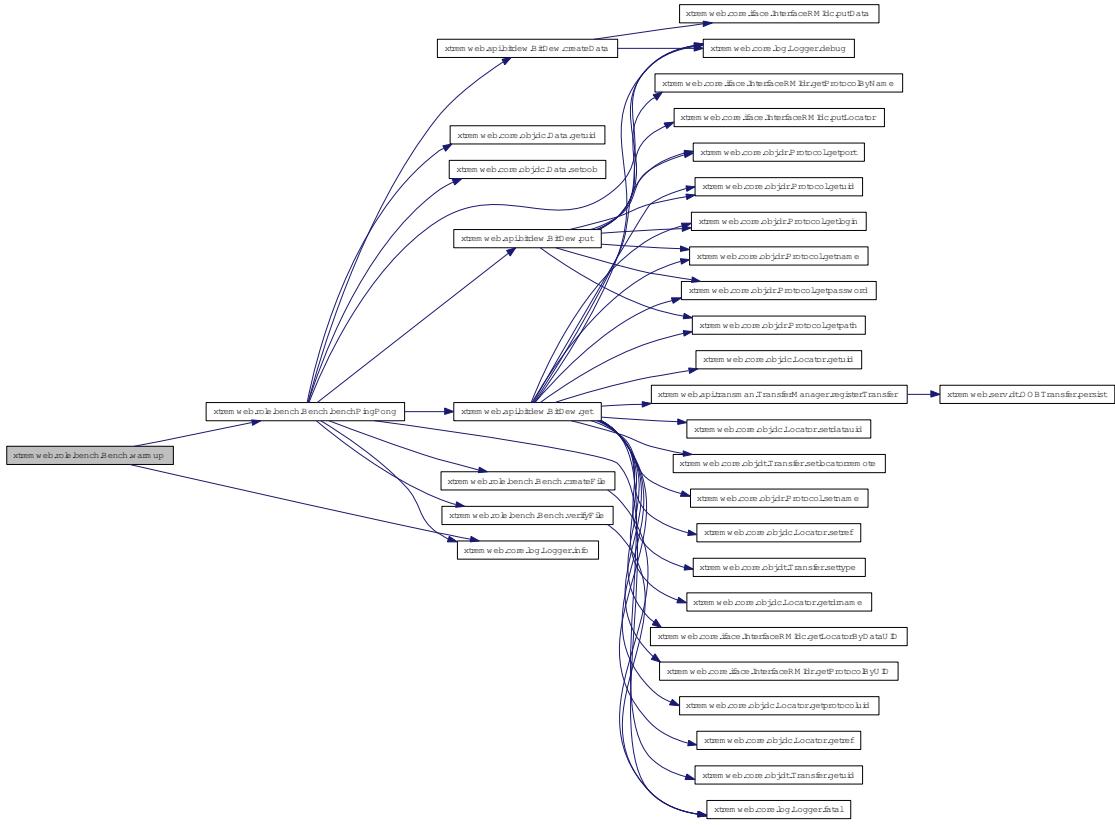
**5.15.3.6 void xtremweb.role.bench.Bench.warmup (String *oob*) throws BitDewException**

Definition at line 246 of file Bench.java.

References xtremweb.role.bench.Bench.benchPingPong(), xtremweb.core.log.Logger.info(), and xtremweb.role.bench.Bench.log.

Referenced by xtremweb.role.bench.Bench.main().

Here is the call graph for this function:



#### **5.15.4 Member Data Documentation**

#### **5.15.4.1 BitDew xtremweb.role.bench.Bench.bitdew [protected]**

Definition at line 35 of file Bench.java.

Referenced by `xtremweb.role.bench.Bench.Bench()`, and `xtremweb.role.bench.Bench.benchPingPong()`.

**5.15.4.2 final String xtremweb.role.bench.Bench.DEFAULT\_TEMP\_DIR\_NAME = "/opt/tmp"**  
[static]

DEFAULT\_TEMP\_DIR\_NAME where files are placed /opt/tmp

Definition at line 43 of file Bench.java.

Referenced by xtremweb.role.bench.Bench.main().

### 5.15.4.3 Logger xtremweb.role.bench.Bench.log = LoggerFactory.getLogger(Bench.class) [static]

Definition at line 37 of file Bench.java.

Referenced by `xtremweb.role.bench.Bench.benchPingPong()`, `xtremweb.role.bench.Bench.createFile()`, `xtremweb.role.bench.Bench.main()`, `xtremweb.role.bench.Bench.verifyFile()`, and

xtremweb.role.bench.Bench.warmup().

**5.15.4.4 String xtremweb.role.bench.Bench.tempDirName = DEFAULT\_TEMP\_DIR\_NAME**  
[static]

Definition at line 45 of file Bench.java.

Referenced by xtremweb.role.bench.Bench.benchPingPong(), xtremweb.role.bench.Bench.createFile(), xtremweb.role.bench.Bench.main(), and xtremweb.role.bench.Bench.verifyFile().

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

- /Users/fedak/shared/projects/bitmew/trunk-1/src/xtremweb/role/bench/[Bench.java](#)

## 5.16 xtremweb.serv.dc.Bench Class Reference

### Public Member Functions

- [Bench \(\)](#)

### Static Public Member Functions

- static void [main \(String\[ \] args\)](#)

### Static Public Attributes

- static int [iter](#)
- static int [hits](#)
- static long [start](#)

### Static Private Member Functions

- static void [usage \(\)](#)

#### 5.16.1 Detailed Description

Definition at line 26 of file Bench.java.

#### 5.16.2 Constructor & Destructor Documentation

##### 5.16.2.1 xtremweb.serv.dc.Bench.Bench ()

Definition at line 32 of file Bench.java.

Referenced by [xtremweb.serv.dc.Bench.main\(\)](#).

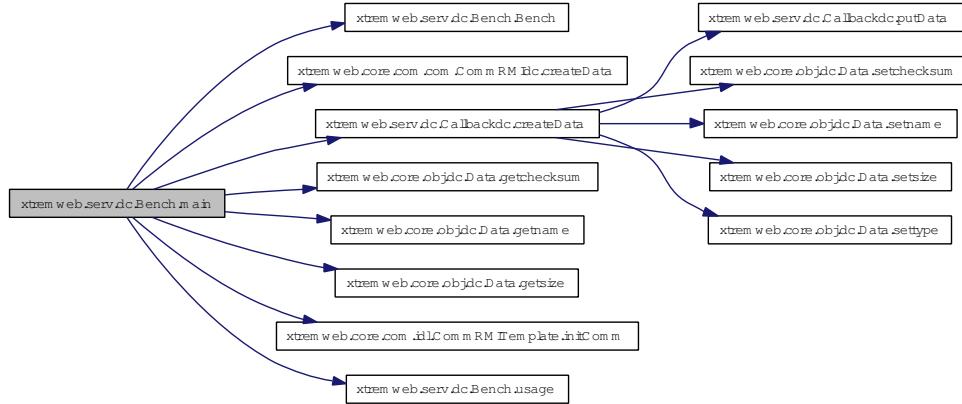
#### 5.16.3 Member Function Documentation

##### 5.16.3.1 static void xtremweb.serv.dc.Bench.main (String[ ] args) [static]

Definition at line 40 of file Bench.java.

References [xtremweb.serv.dc.Bench.Bench\(\)](#), [xtremweb.core.com.com.CommRMIDc.createData\(\)](#),  
[xtremweb.serv.dc.Callbackdc.createData\(\)](#), [xtremweb.core.obj.dc.Data.getchecksum\(\)](#),  
[xtremweb.core.obj.dc.Data.getname\(\)](#), [xtremweb.core.obj.dc.Data.getsize\(\)](#), [xtremweb.serv.dc.Bench.hits](#),  
[xtremweb.core.com.idl.CommRMITemplate.initComm\(\)](#), [xtremweb.serv.dc.Bench.iter](#),  
[xtremweb.core.com.idl.CommException.lowlevelException](#), [xtremweb.serv.dc.Bench.start](#), and  
[xtremweb.serv.dc.Bench.usage\(\)](#).

Here is the call graph for this function:



### 5.16.3.2 static void xtremweb.serv.dc.Bench.usage () [static, private]

Definition at line 35 of file Bench.java.

Referenced by xtremweb.serv.dc.Bench.main().

## 5.16.4 Member Data Documentation

### 5.16.4.1 int xtremweb.serv.dc.Bench.hits [static]

Definition at line 29 of file Bench.java.

Referenced by xtremweb.serv.dc.Bench.main().

### 5.16.4.2 int xtremweb.serv.dc.Bench.iter [static]

Definition at line 28 of file Bench.java.

Referenced by xtremweb.serv.dc.Bench.main().

### 5.16.4.3 long xtremweb.serv.dc.Bench.start [static]

Definition at line 30 of file Bench.java.

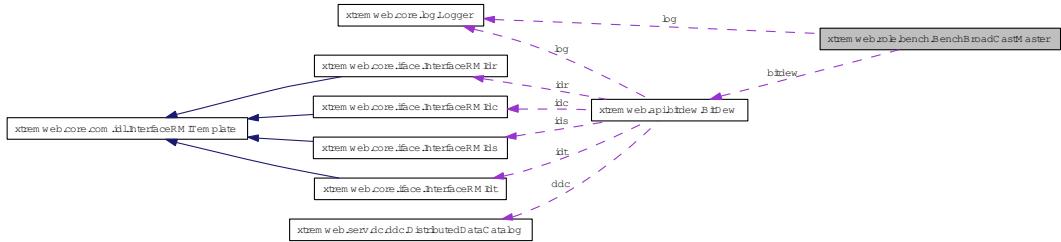
Referenced by xtremweb.serv.dc.Bench.main().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dc/[Bench.java](#)

## 5.17 xtremweb.role.bench.BenchBroadCastMaster Class Reference

Collaboration diagram for xtremweb.role.bench.BenchBroadCastMaster:



### Public Member Functions

- [BenchBroadCastMaster \(BitDew bd\)](#)
- File [createFile](#) (int taille) throws BitDewException

### Static Public Member Functions

- static void [main](#) (String[ ] args) throws Exception

### Static Public Attributes

- static [Logger log](#) = LoggerFactory.getLogger(BenchBroadCastMaster.class)
- static final String [DEFAULT\\_TEMP\\_DIR\\_NAME](#) = "."
- static String [tempDirName](#) = DEFAULT\_TEMP\_DIR\_NAME

### Protected Attributes

- [BitDew bitdew](#)

#### 5.17.1 Detailed Description

Definition at line 28 of file BenchBroadCastMaster.java.

#### 5.17.2 Constructor & Destructor Documentation

##### 5.17.2.1 xtremweb.role.bench.BenchBroadCastMaster.BenchBroadCastMaster (BitDew bd)

Definition at line 38 of file BenchBroadCastMaster.java.

References [xtremweb.role.bench.BenchBroadCastMaster.bitdew](#).

Referenced by [xtremweb.role.bench.BenchBroadCastMaster.main\(\)](#).

### 5.17.3 Member Function Documentation

#### 5.17.3.1 File xtremweb.role.bench.BenchBroadCastMaster.createFile (int *taille*) throws BitDewException

Definition at line 42 of file BenchBroadCastMaster.java.

References `xtremweb.core.log.Logger.fatal()`, `xtremweb.role.bench.BenchBroadCastMaster.log`, and `xtremweb.role.bench.BenchBroadCastMaster.tempDirName`.

Referenced by `xtremweb.role.bench.BenchBroadCastMaster.main()`.

Here is the call graph for this function:

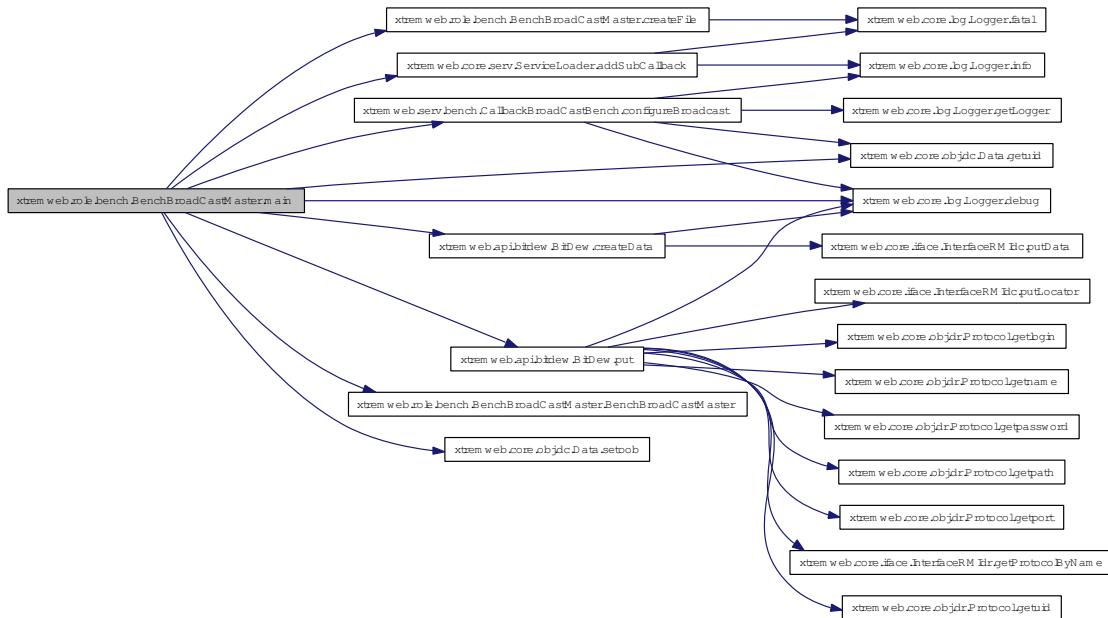


#### 5.17.3.2 static void xtremweb.role.bench.BenchBroadCastMaster.main (String[ ] args) throws Exception [static]

Definition at line 68 of file BenchBroadCastMaster.java.

References `xtremweb.core.serv.ServiceLoader.addSubCallback()`, `xtremweb.role.bench.BenchBroadCastMaster.BenchBroadCastMaster.main()`, `xtremweb.role.bench.BenchBroadCastMaster.bitdew`, `xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast()`, `xtremweb.api.bitdew.BitDew.createData()`, `xtremweb.role.bench.BenchBroadCastMaster.createFile()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.role.bench.BenchBroadCastMaster.DEFAULT_TEMP_DIR_NAME`, `xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.role.bench.BenchBroadCastMaster.log`, `xtremweb.api.bitdew.BitDew.put()`, `xtremweb.core.obj.dc.Data.setoob()`, and `xtremweb.role.bench.BenchBroadCastMaster.tempDirName`.

Here is the call graph for this function:



## 5.17.4 Member Data Documentation

### 5.17.4.1 BitDew xtremweb.role.bench.BenchBroadCastMaster.bitdew [protected]

Creates a new [BenchBroadCastMaster](#) instance. test

Definition at line 34 of file BenchBroadCastMaster.java.

Referenced by xtremweb.role.bench.BenchBroadCastMaster.BenchBroadCastMaster(), and xtremweb.role.bench.BenchBroadCastMaster.main().

### 5.17.4.2 final String xtremweb.role.bench.BenchBroadCastMaster.DEFAULT\_TEMP\_DIR\_NAME = "." [static]

Definition at line 36 of file BenchBroadCastMaster.java.

Referenced by xtremweb.role.bench.BenchBroadCastMaster.main().

### 5.17.4.3 Logger xtremweb.role.bench.BenchBroadCastMaster.log = LoggerFactory.getLogger(BenchBroadCastMaster.class) [static]

Definition at line 35 of file BenchBroadCastMaster.java.

Referenced by xtremweb.role.bench.BenchBroadCastMaster.createFile(), and xtremweb.role.bench.BenchBroadCastMaster.main().

### 5.17.4.4 String xtremweb.role.bench.BenchBroadCastMaster.tempDirName = DEFAULT\_TEMP\_DIR\_NAME [static]

Definition at line 37 of file BenchBroadCastMaster.java.

Referenced by xtremweb.role.bench.BenchBroadCastMaster.createFile(), and xtremweb.role.bench.BenchBroadCastMaster.main().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/bench/[BenchBroadCastMaster.java](#)

## 5.18 xtremweb.role.bench.BenchMaster Class Reference

### Public Member Functions

- [BenchMaster \(\)](#)

### Static Public Member Functions

- static void [main \(String\[ \] args\)](#) throws Exception

#### 5.18.1 Detailed Description

Definition at line 21 of file BenchMaster.java.

#### 5.18.2 Constructor & Destructor Documentation

##### 5.18.2.1 xtremweb.role.bench.BenchMaster.BenchMaster ()

Creates a new [BenchMaster](#) instance.

Definition at line 27 of file BenchMaster.java.

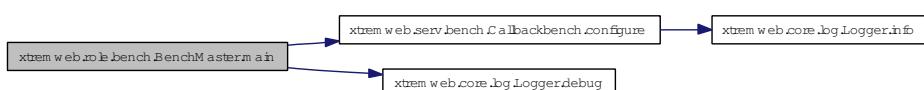
#### 5.18.3 Member Function Documentation

##### 5.18.3.1 static void xtremweb.role.bench.BenchMaster.main (String[ ] args) throws Exception [static]

Definition at line 31 of file BenchMaster.java.

References xtremweb.serv.bench.Callbackbench.configure(), and xtremweb.core.log.Logger.debug().

Here is the call graph for this function:



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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/bench/[BenchMaster.java](#)

## 5.19 xtremweb.api.bitdew.BitDew Class Reference

Collaboration diagram for xtremweb.api.bitdew.BitDew:



### Public Member Functions

- [BitDew](#) (Vector comms)
- [BitDew](#) ([InterfaceRMIdc](#) cdc, [InterfaceRMIdr](#) cdr, [InterfaceRMIdt](#) cdt, [InterfaceRMIds](#) cds)
- [Data createData](#) () throws BitDewException
- [Data createData](#) (String name) throws BitDewException
- [Data createData](#) (String name, String protocol, int size) throws BitDewException
- [Data createData](#) (File file) throws BitDewException
- void [updateData](#) ([Data](#) data, File file) throws BitDewException
- void [deleteData](#) ([Data](#) data) throws BitDewException
- [Locator createLocator](#) (String ref) throws BitDewException
- void [putLocator](#) ([Locator](#) loc) throws BitDewException
- void [put](#) ([Data](#) data, [Locator](#) remote\_locator) throws BitDewException
- void [put](#) (File file, [Data](#) data, String oob) throws BitDewException
- void [put](#) (File file, [Data](#) data) throws BitDewException
- void [get](#) ([Data](#) data, File file) throws BitDewException
- [Data searchDataByUid](#) (String dataUid) throws BitDewException
- String [ddcSearch](#) ([Data](#) data) throws BitDewException
- void [ddcPublish](#) ([Data](#) data, String hostid) throws BitDewException
- void [ddcPublish](#) (String key, String value) throws BitDewException

### Private Member Functions

- void [init](#) ()
- void [putData](#) ([Data](#) data) throws BitDewException

### Private Attributes

- [InterfaceRMIdc](#) idc
- [InterfaceRMIdr](#) idr
- [InterfaceRMIdt](#) idt
- [InterfaceRMIds](#) ids
- [DistributedDataCatalog](#) ddc = null
- String myHost = "test\_that\_dude"

## Static Private Attributes

- static `Logger log` = LoggerFactory.getLogger(BitDew.class)

### 5.19.1 Detailed Description

`BitDew` programming interface.

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 33 of file BitDew.java.

### 5.19.2 Constructor & Destructor Documentation

#### 5.19.2.1 xtremweb.api.bitdew.BitDew (Vector *comms*)

Creates a new `BitDew` instance.

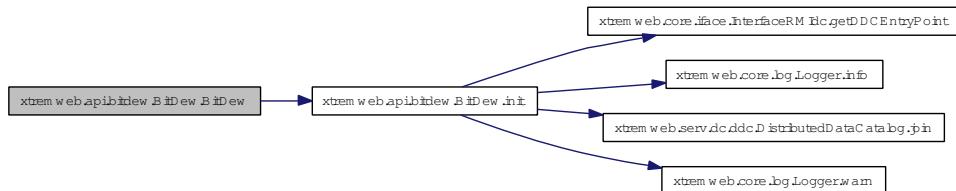
**Parameters:**

*comms* a Vector value

Definition at line 50 of file BitDew.java.

References `xtremweb.api.bitdew.BitDew.idc`, `xtremweb.api.bitdew.BitDew.idr`,  
`xtremweb.api.bitdew.BitDew.ids`, `xtremweb.api.bitdew.BitDew.idt`, and  
`xtremweb.api.bitdew.BitDew.init()`.

Here is the call graph for this function:



#### 5.19.2.2 xtremweb.api.bitdew.BitDew (InterfaceRMIdc *cdc*, InterfaceRMIdr *cdr*, InterfaceRMIdt *cdt*, InterfaceRMIds *cds*)

Creates a new `BitDew` instance.

**Parameters:**

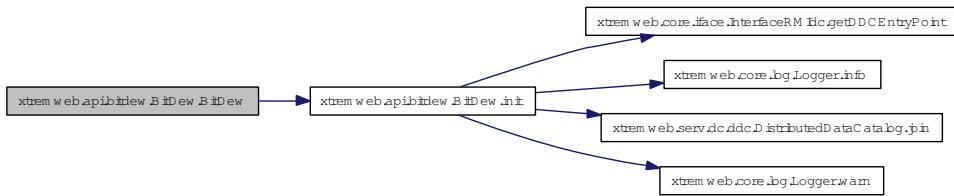
*cdc* an `InterfaceRMIdc` value

*cdr* an InterfaceRMIdr value  
*cdt* an InterfaceRMIdt value  
*cds* an InterfaceRMIds value

Definition at line 69 of file BitDew.java.

References xtremweb.api.bitdew.BitDew.idc, xtremweb.api.bitdew.BitDew.idr, xtremweb.api.bitdew.BitDew.ids, xtremweb.api.bitdew.BitDew.idt, and xtremweb.api.bitdew.BitDew.init().

Here is the call graph for this function:



### 5.19.3 Member Function Documentation

#### 5.19.3.1 Data `xtremweb.api.bitdew.BitDew.createData (File file) throws BitDewException`

`createData` creates Data from file.

**Parameters:**

*file* a File value

**Returns:**

a Data value

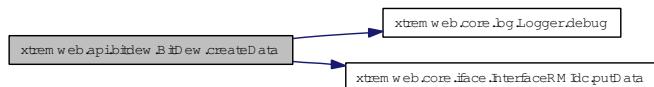
**Exceptions:**

*BitDewException* if an error occurs

Definition at line 170 of file BitDew.java.

References xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.idc, xtremweb.api.bitdew.BitDew.log, and xtremweb.core iface.InterfaceRMIdc.putData().

Here is the call graph for this function:



#### 5.19.3.2 Data `xtremweb.api.bitdew.BitDew.createData (String name, String protocol, int size) throws BitDewException`

`createData` creates Data.

**Parameters:**

*name* a String value  
*protocol* a String value  
*size* an int value

**Returns:**

a Data value

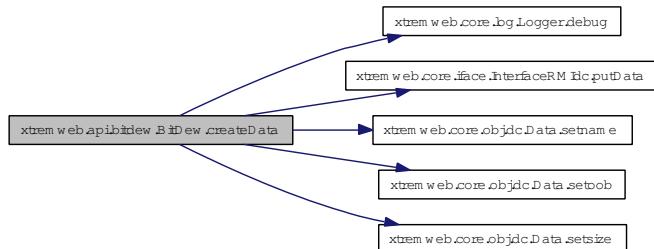
**Exceptions:**

*BitDewException* if an error occurs

Definition at line 146 of file BitDew.java.

References xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.idc,  
 xtremweb.api.bitdew.BitDew.log, xtremweb.core iface.InterfaceRMIdc.putData(),  
 xtremweb.core.obj.dc.Data.setname(), xtremweb.core.obj.dc.Data.setoob(), and  
 xtremweb.core.obj.dc.Data.setsize().

Here is the call graph for this function:

**5.19.3.3 Data xtremweb.api.bitdew.BitDew.createData (String *name*) throws BitDewException**

createData creates Data.

**Parameters:**

*name* a String value

**Returns:**

a Data value

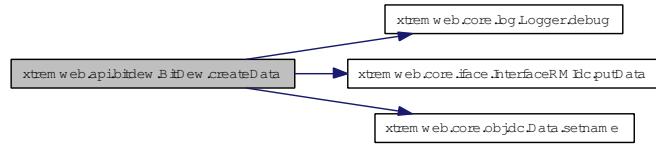
**Exceptions:**

*BitDewException* if an error occurs

Definition at line 122 of file BitDew.java.

References xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.idc,  
 xtremweb.api.bitdew.BitDew.log, xtremweb.core iface.InterfaceRMIdc.putData(), and  
 xtremweb.core.obj.dc.Data.setname().

Here is the call graph for this function:



#### 5.19.3.4 Data `xtremweb.api.bitdew.BitDew.createData () throws BitDewException`

`createData` creates Data.

**Returns:**

a Data value

**Exceptions:**

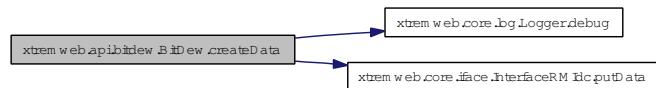
`BitDewException` if an error occurs

Definition at line 102 of file BitDew.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.api.bitdew.BitDew.idc`, `xtremweb.api.bitdew.BitDew.log`, and `xtremweb.core iface.InterfaceRM_Ic.putData()`.

Referenced by `xtremweb.role.bench.Bench.benchPingPong()`, `xtremweb.role.examples.Broadcast.Broadcast()`, `xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData()`, `xtremweb.role.cmdline.CommandLineTool.CommandLine`, `xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench()`, `xtremweb.role.examples.HelloWorld.HelloWorld()`, `xtremweb.role.blast.Master.main()`, `xtremweb.role.bench.BenchBroadCastMaster.main()`, `xtremweb.api.transman.test.TransferManagerTest.main()`, `xtremweb.role.p2p.P2P.mainLoop()`, `xtremweb.role.mw.Master2.Master2()`, `xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled()`, `xtremweb.role.examples.PingPong.PongCallback.onDataScheduled()`, `xtremweb.role.examples.PingPong.Ping()`, `xtremweb.role.examples.PutGet.put()`, and `xtremweb.role.examples.Updater.Updater()`.

Here is the call graph for this function:



#### 5.19.3.5 Locator `xtremweb.api.bitdew.BitDew.createLocator (String ref) throws BitDewException`

`createLocator` creates a new locator.

**Parameters:**

`ref` a String value

**Returns:**

a Locator value

**Exceptions:**

**BitDewException** if an error occurs

Definition at line 223 of file BitDew.java.

References xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.log, xtremweb.api.bitdew.BitDew.putLocator(), and xtremweb.core.obj.dc.Locator.setref().

Referenced by xtremweb.role.examples.Broadcast.Broadcast(), xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData, xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), xtremweb.role.p2p.P2P.mainLoop(), xtremweb.role.mw.Master2.Master2(), xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(), and xtremweb.role.examples.PublishSearch.PublishSearch().

Here is the call graph for this function:



### 5.19.3.6 void xtremweb.api.bitdew.BitDew.ddcPublish (String key, String value) throws BitDewException

ddcPublish publish arbitrary pair key value in the distributed data catalog

**Parameters:**

**key** a String value  
**value** a String value

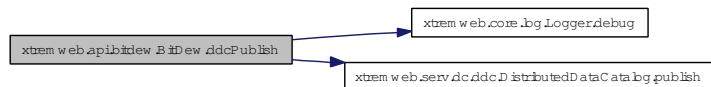
**Exceptions:**

**BitDewException** if an error occurs

Definition at line 515 of file BitDew.java.

References xtremweb.api.bitdew.BitDew.ddc, xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.log, and xtremweb.serv.dc.ddc.DistributedDataCatalog.publish().

Here is the call graph for this function:



### 5.19.3.7 void xtremweb.api.bitdew.BitDew.ddcPublish (Data data, String hostid) throws BitDewException

ddcPublish publishes data and host in the distributed data catalog.

**Parameters:**

*data* a Data value  
*hostid* a String value

**Exceptions:**

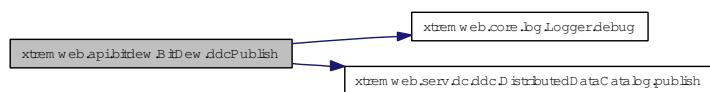
*BitDewException* if an error occurs

Definition at line 496 of file BitDew.java.

References xtremweb.api.bitdew.BitDew.ddc, xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.log, and xtremweb.serv.dc.ddc.DistributedDataCatalog.publish().

Referenced by xtremweb.role.bench.DDCBench.main().

Here is the call graph for this function:

**5.19.3.8 String xtremweb.api.bitdew.BitDew.ddcSearch (Data *data*) throws BitDewException**

ddcSearch searches data in the distributed data catalog.

**Parameters:**

*data* a Data value

**Returns:**

a String value

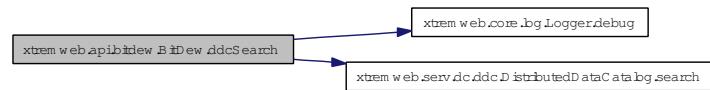
**Exceptions:**

*BitDewException* if an error occurs

Definition at line 478 of file BitDew.java.

References xtremweb.api.bitdew.BitDew.ddc, xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.log, and xtremweb.serv.dc.ddc.DistributedDataCatalog.search().

Here is the call graph for this function:

**5.19.3.9 void xtremweb.api.bitdew.BitDew.deleteData (Data *data*) throws BitDewException**

Definition at line 209 of file BitDew.java.

References `xtremweb.api.bitdew.BitDew.putData()`.

Referenced by `xtremweb.role.examples.PingPong.PongCallback.onDataScheduled()`, and `xtremweb.role.examples.PingPong.PingCallback.onDataScheduled()`.

Here is the call graph for this function:



#### 5.19.3.10 void xtremweb.api.bitdew.BitDew.get (Data data, File file) throws BitDewException

get data into file.

##### Parameters:

`data` a `Data` value

`file` a `File` value

##### Exceptions:

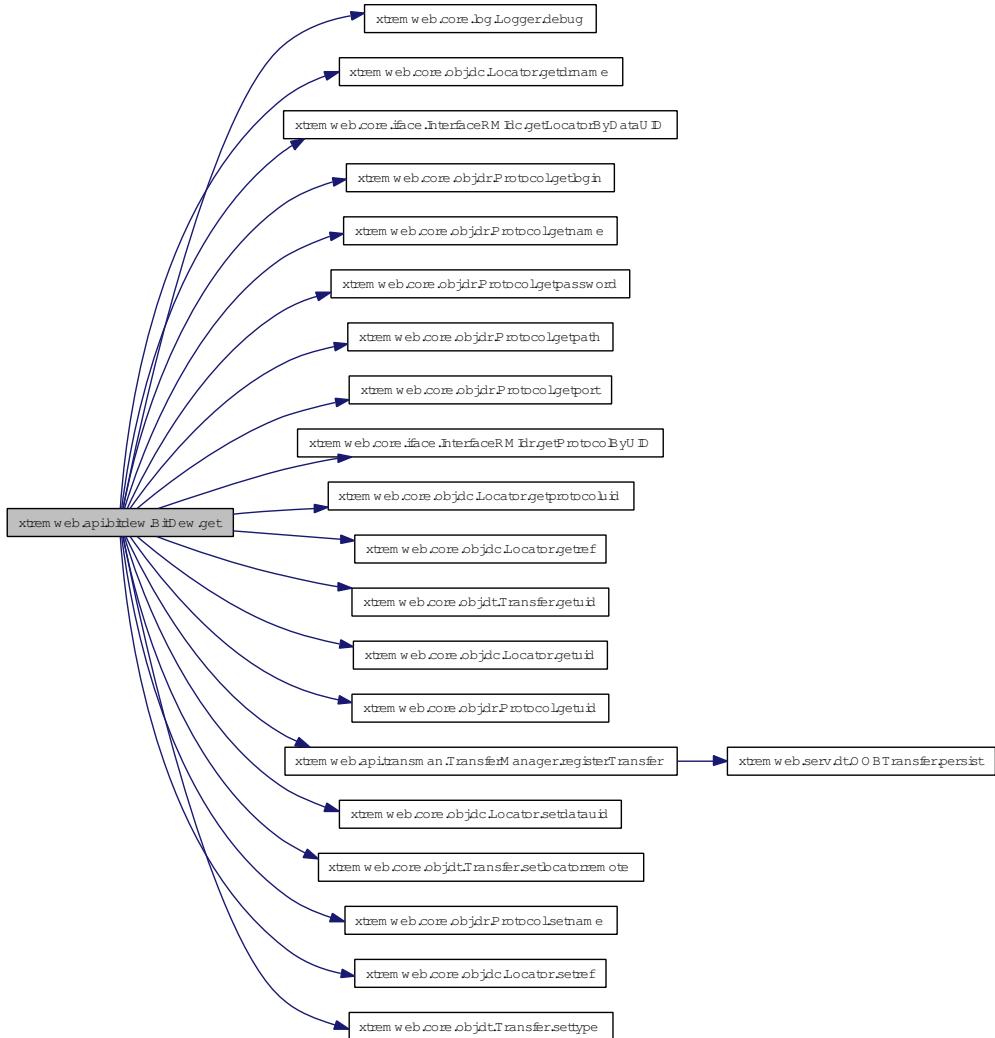
`BitDewException` if an error occurs

Definition at line 388 of file `BitDew.java`.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core.obj.dc.Locator.getdrname()`, `xtremweb.core.iface.InterfaceRMIdc.getLocatorByDataUID()`, `xtremweb.core.obj.dr.Protocol.getlogin()`, `xtremweb.core.obj.dr.Protocol.getname()`, `xtremweb.core.obj.dr.Protocol.getpassword()`, `xtremweb.core.obj.dr.Protocol.getpath()`, `xtremweb.core.obj.dr.Protocol.getport()`, `xtremweb.core.iface.InterfaceRMIdr.getProtocolByUID()`, `xtremweb.core.obj.dc.Locator.getprotocoluid()`, `xtremweb.core.obj.dc.Locator.getref()`, `xtremweb.core.obj.dt.Transfer.getuid()`, `xtremweb.core.obj.dc.Locator.getuid()`, `xtremweb.core.obj.dr.Protocol.getuid()`, `xtremweb.api.bitdew.BitDew.idc`, `xtremweb.api.bitdew.BitDew.idr`, `xtremweb.api.bitdew.BitDew.idt`, `xtremweb.api.bitdew.BitDew.log`, `xtremweb.api.transman.TransferManager.registerTransfer()`, `xtremweb.core.obj.dc.Locator.setdatauid()`, `xtremweb.core.obj.dt.Transfer.setlocatorremote()`, `xtremweb.core.obj.dr.Protocol.setname()`, `xtremweb.core.obj.dc.Locator.setref()`, and `xtremweb.core.obj.dt.Transfer.settype()`.

Referenced by `xtremweb.role.bench.Bench.benchPingPong()`, `xtremweb.role.bench.DDCBroadCastBench.BroadCastBenchGet()`, `xtremweb.role.blast.Worker.BroadCastWorkerGetData()`, `xtremweb.role.cmdline.CommandLineTool.CommandLineTool()`, `xtremweb.role.examples.PutGet.get()`, `xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled()`, `xtremweb.role.mw.Master2.MasterCallback.onDataScheduled()`, `xtremweb.role.examples.Updater.UpdaterCallback.onDataSch`, `xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled()`, `xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled()`, and `xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled()`.

Here is the call graph for this function:



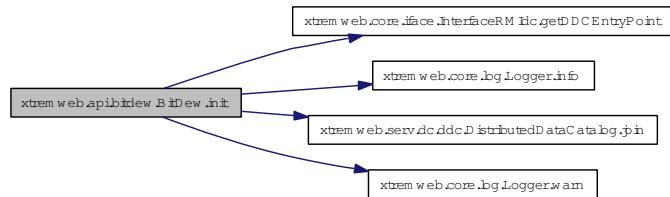
### 5.19.3.11 void xtremweb.api.bitdew.BitDew.init () [private]

Definition at line 79 of file BitDew.java.

References xtremweb.api.bitdew.BitDew.ddc, xtremweb.core.iface.InterfaceRMIdc.getDDCEntryPoint(), xtremweb.api.bitdew.BitDew.idc, xtremweb.core.log.Logger.info(), xtremweb.serv.dcd.DistributedDataCatalog.join(), xtremweb.api.bitdew.BitDew.log, and xtremweb.core.log.Logger.warn().

Referenced by xtremweb.api.bitdew.BitDew.BitDew().

Here is the call graph for this function:



**5.19.3.12 void xtremweb.api.bitdew.BitDew.put (File file, Data data) throws BitDewException**

put file to a data

## Parameters:

*file* a File value

*data* a Data value

## Exceptions:

*BitDewException* if an error occurs

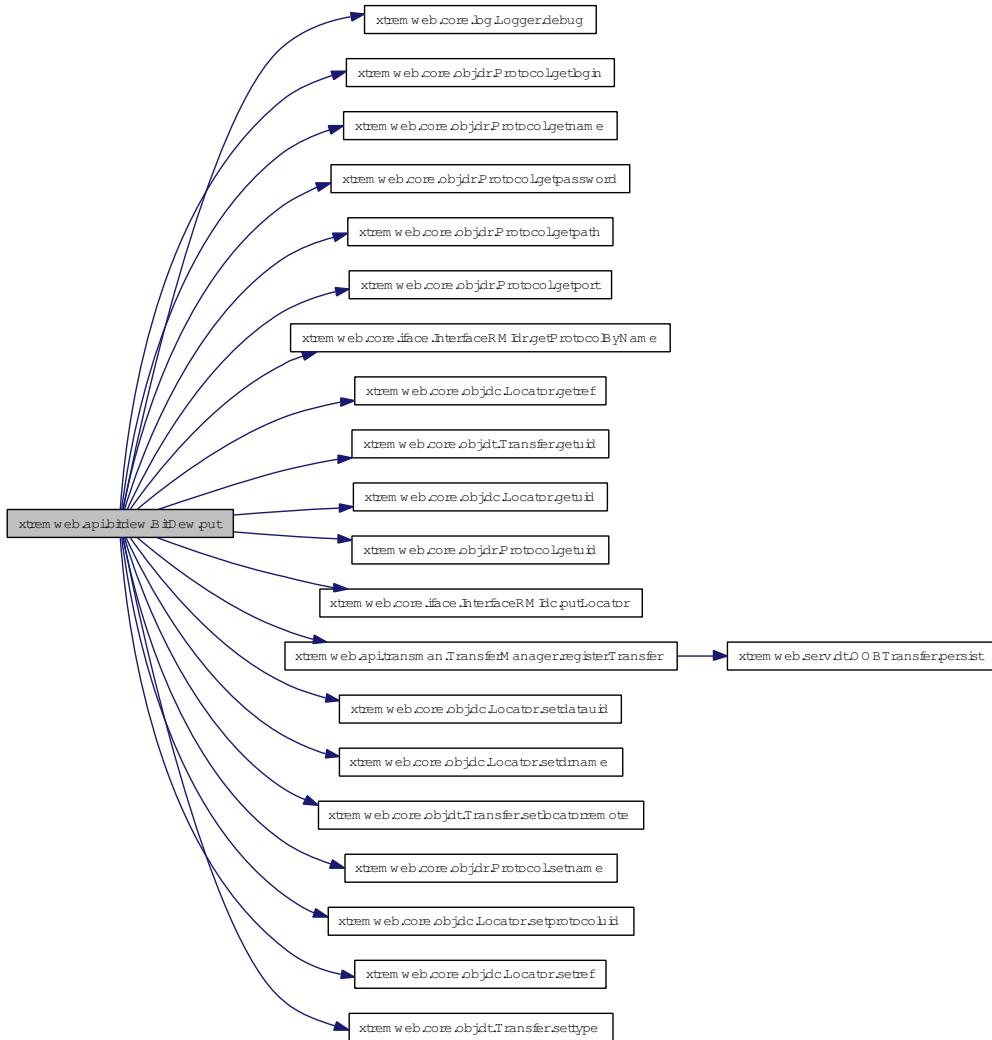
Definition at line 310 of file BitDew.java.

```

References      xtremweb.core.log.Logger.debug(),           xtremweb.core.obj.dr.Protocol.getLogin(),
               xtremweb.core.obj.dr.Protocol.getName(),          xtremweb.core.obj.dr.Protocol.getPassword(),
               xtremweb.core.obj.dr.Protocol.getPath(),          xtremweb.core.obj.dr.Protocol.getPort(),
               xtremweb.core iface.InterfaceRMIdr.getProtocolByName(),
               xtremweb.core.obj.dt.Transfer.getuid(),           xtremweb.core.obj.dc.Locator.getref(),
               xtremweb.core.obj.dr.Protocol.getuid(),           xtremweb.core.obj.dc.Locator.getuid(),
               xtremweb.api.bitdew.BitDew.idc,                  xtremweb.api.bitdew.BitDew.log,
               xtremweb.core iface.InterfaceRMIdc.putLocator(), xtremweb.api.transman.TransferManager.registerTransfer(),
               xtremweb.core.obj.dc.Locator.setdatauid(),         xtremweb.core.obj.dc.Locator.setdrname(),
               xtremweb.core.obj.dt.Transfer.setlocatorremote(), xtremweb.core.obj.dr.Protocol.setname(),
               xtremweb.core.obj.dc.Locator.setprotocoluid(),    xtremweb.core.obj.dc.Locator.setref(),       and
               xtremweb.core.obj.dt.Transfer.settype().

```

Here is the call graph for this function:



#### 5.19.3.13 void xtremweb.api.bitdew.BitDew.put (File file, Data data, String oob) throws BitDewException

put file to a data

##### Parameters:

- file** a File value, file to put
- data** a Data value, data into which to put the file
- oob** a String value, protocol to use to transfer the data

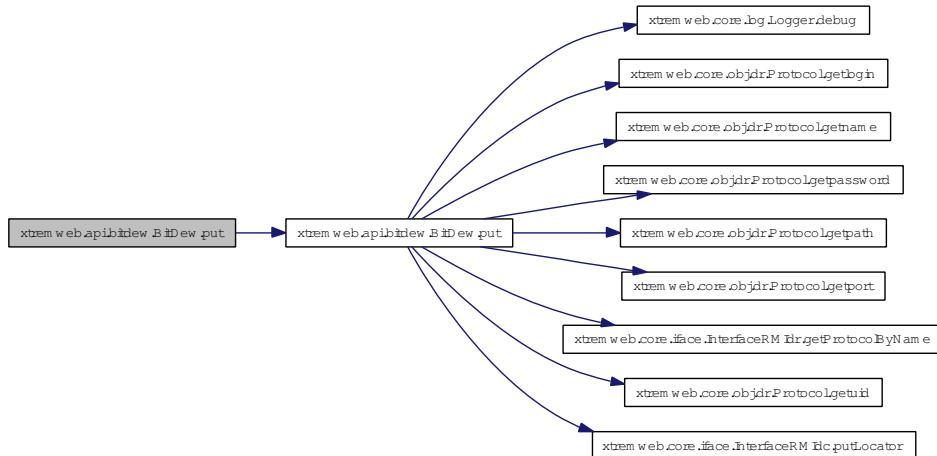
##### Exceptions:

**BitDewException** if an error occurs

Definition at line 298 of file BitDew.java.

References xtremweb.api.bitdew.BitDew.put().

Here is the call graph for this function:



#### 5.19.3.14 void xtremweb.api.bitdew.BitDew.put (Data *data*, Locator *remote\_locator*) throws BitDewException

put convenience method to register a data already present in a data repository without having to copy the data.

##### Parameters:

*data* a Data value

*remote\_locator* a Locator value

##### Exceptions:

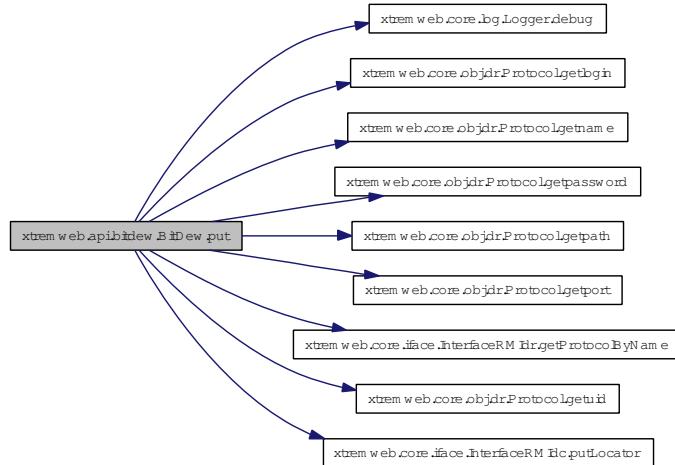
**BitDewException** if an error occurs

Definition at line 262 of file BitDew.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.obj.dr.Protocol.getLogin(),  
 xtremweb.core.obj.dr.Protocol.getName(), xtremweb.core.obj.dr.Protocol.getPassword(),  
 xtremweb.core.obj.dr.Protocol.getPath(), xtremweb.core.obj.dr.Protocol.getPort(),  
 xtremweb.core iface.InterfaceRMIdr.getProtocolByName(), xtremweb.core.obj.dr.Protocol.getUId(),  
 xtremweb.api.bitdew.BitDew.idc, xtremweb.api.bitdew.BitDew.idr, xtremweb.api.bitdew.BitDew.log, and  
 xtremweb.core iface.InterfaceRMIdc.putLocator().

Referenced by xtremweb.role.bench.Bench.benchPingPong(), xtremweb.role.examples.Broadcast.Broadcast(),  
 xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData(), xtremweb.role.cmdline.CommandLineTool.CommandLine(),  
 xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), xtremweb.role.blast.Master.main(),  
 xtremweb.role.bench.BenchBroadCastMaster.main(), xtremweb.role.p2p.P2P.mainLoop(),  
 xtremweb.role.mw.Master2.Master2(), xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(),  
 xtremweb.role.examples.PutGet.put(), xtremweb.api.bitdew.BitDew.put(), and  
 xtremweb.role.examples.Updater.Updater().

Here is the call graph for this function:



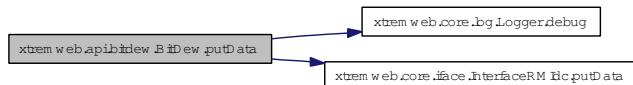
### **5.19.3.15 void xtremweb.api.bitdew.BitDew.putData (Data *data*) throws BitDewException [private]**

Definition at line 197 of file BitDew.java.

References xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.idc, xtremweb.api.bitdew.BitDew.log, and xtremweb.core iface.InterfaceRMIdc.putData().

Referenced by xtremweb.api.bitdew.BitDew.deleteData(), and xtremweb.api.bitdew.BitDew.updateData().

Here is the call graph for this function:



### **5.19.3.16 void xtremweb.api.bitdew.BitDew.putLocator (Locator *loc*) throws BitDewException**

putLocator registers locator

#### **Parameters:**

*loc* a Locator value

#### **Exceptions:**

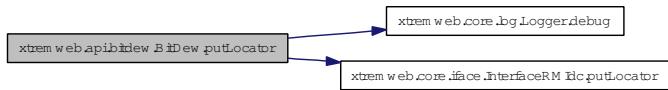
***BitDewException*** if an error occurs

Definition at line 242 of file BitDew.java.

References xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.idc, xtremweb.api.bitdew.BitDew.log, and xtremweb.core iface.InterfaceRMIdc.putLocator().

Referenced by xtremweb.api.bitdew.BitDew.createLocator(), and xtremweb.role.examples.PublishSearch.PublishSearch().

Here is the call graph for this function:



#### 5.19.3.17 Data `xtremweb.api.bitdew.BitDew.searchDataByUid (String dataUid) throws BitDewException`

`searchDataByUid` searches data in the central data catalog.

**Parameters:**

`dataUid` a `String` value

**Returns:**

a `Data` value

**Exceptions:**

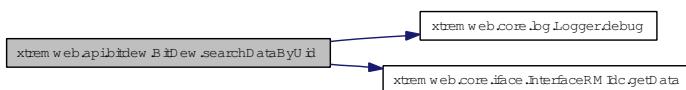
`BitDewException` if an error occurs

Definition at line 462 of file `BitDew.java`.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core iface.InterfaceRMIdc.getData()`, `xtremweb.api.bitdew.BitDew.idc`, and `xtremweb.api.bitdew.BitDew.log`.

Referenced by `xtremweb.role.cmdline.CommandLineTool.CommandLineTool()`, and `xtremweb.role.examples.PutGet.get()`.

Here is the call graph for this function:



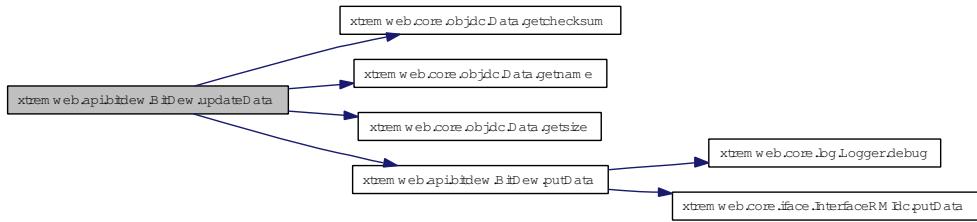
#### 5.19.3.18 void `xtremweb.api.bitdew.BitDew.updateData (Data data, File file) throws BitDewException`

Definition at line 187 of file `BitDew.java`.

References `xtremweb.core.obj.dc.Data.getchecksum()`, `xtremweb.core.obj.dc.Data.getname()`, `xtremweb.core.obj.dc.Data.getsize()`, and `xtremweb.api.bitdew.BitDew.putData()`.

Referenced by `xtremweb.role.cmdline.CommandLineTool.CommandLineTool()`.

Here is the call graph for this function:



## 5.19.4 Member Data Documentation

### 5.19.4.1 DistributedDataCatalog `xtremweb.api.bitdew.BitDew.ddc = null` [private]

Definition at line 42 of file BitDew.java.

Referenced by `xtremweb.api.bitdew.BitDew.ddcPublish()`, `xtremweb.api.bitdew.BitDew.ddcSearch()`, and `xtremweb.api.bitdew.BitDew.init()`.

### 5.19.4.2 InterfaceRMIdc `xtremweb.api.bitdew.BitDew.idc` [private]

Definition at line 37 of file BitDew.java.

Referenced by `xtremweb.api.bitdew.BitDew()`, `xtremweb.api.bitdew.BitDew.createData()`, `xtremweb.api.bitdew.BitDew.get()`, `xtremweb.api.bitdew.BitDew.init()`, `xtremweb.api.bitdew.BitDew.put()`, `xtremweb.api.bitdew.BitDew.putData()`, `xtremweb.api.bitdew.BitDew.putLocator()`, and `xtremweb.api.bitdew.BitDew.searchDataByUid()`.

### 5.19.4.3 InterfaceRMIdr `xtremweb.api.bitdew.BitDew.idr` [private]

Definition at line 38 of file BitDew.java.

Referenced by `xtremweb.api.bitdew.BitDew.BitDew()`, `xtremweb.api.bitdew.BitDew.get()`, and `xtremweb.api.bitdew.BitDew.put()`.

### 5.19.4.4 InterfaceRMIds `xtremweb.api.bitdew.BitDew.ids` [private]

Definition at line 40 of file BitDew.java.

Referenced by `xtremweb.api.bitdew.BitDew.BitDew()`.

### 5.19.4.5 InterfaceRMIdt `xtremweb.api.bitdew.BitDew.idt` [private]

Definition at line 39 of file BitDew.java.

Referenced by `xtremweb.api.bitdew.BitDew.BitDew()`, `xtremweb.api.bitdew.BitDew.get()`, and `xtremweb.api.bitdew.BitDew.put()`.

**5.19.4.6 Logger `xtremweb.api.bitdew.BitDew.log = LoggerFactory.getLogger(BitDew.class)`**  
[static, private]

Definition at line 35 of file BitDew.java.

Referenced by `xtremweb.api.bitdew.BitDew.createData()`, `xtremweb.api.bitdew.BitDew.createLocator()`,  
`xtremweb.api.bitdew.BitDew.ddcPublish()`, `xtremweb.api.bitdew.BitDew.ddcSearch()`,  
`xtremweb.api.bitdew.BitDew.get()`, `xtremweb.api.bitdew.BitDew.init()`, `xtremweb.api.bitdew.BitDew.put()`,  
`xtremweb.api.bitdew.BitDew.putData()`, `xtremweb.api.bitdew.BitDew.putLocator()`, and  
`xtremweb.api.bitdew.BitDew.searchDataByUid()`.

**5.19.4.7 String `xtremweb.api.bitdew.BitDew.myHost = "test_that_dude"` [private]**

Definition at line 43 of file BitDew.java.

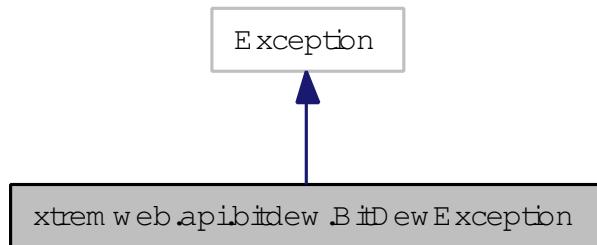
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/bitdew/[BitDew.java](#)

## 5.20 xtremweb.api.bitdew.BitDewException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.api.bitdew.BitDewException:



### Public Member Functions

- [BitDewException \(\)](#)
- [BitDewException \(String msg\)](#)

#### 5.20.1 Detailed Description

`BitDewException`.

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 11 of file `BitDewException.java`.

#### 5.20.2 Constructor & Destructor Documentation

##### 5.20.2.1 xtremweb.api.bitdew.BitDewException.BitDewException ()

Creates a new `BitDewException` instance.

Definition at line 17 of file `BitDewException.java`.

##### 5.20.2.2 xtremweb.api.bitdew.BitDewException.BitDewException (String msg)

Creates a new `BitDewException` instance.

**Parameters:**

`msg` a `String` value

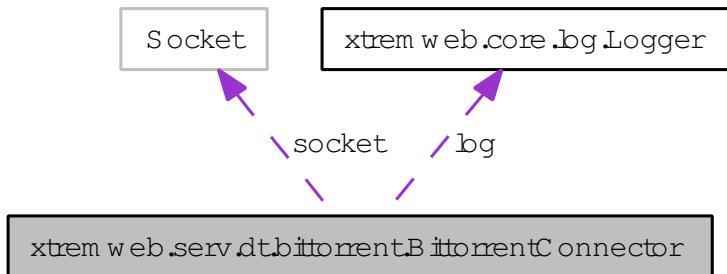
Definition at line 26 of file BitDewException.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/bitdew/[BitDewException.java](#)

## 5.21 xtremweb.serv.dt.bittorrent.BittorrentConnector Class Reference

Collaboration diagram for xtremweb.serv.dt.bittorrent.BittorrentConnector:



### Public Member Functions

- `BittorrentConnector()` throws `OOBException`

### Static Public Member Functions

- static void `main(String[] args)`

### Protected Member Functions

- String `response()`
- void `logout()`
- void `setIncomingDirectory(String dir)`
- void `sendmsg(String msg)`

### Protected Attributes

- Socket `socket`
- BufferedReader `inb`
- PrintStream `outb`

### Static Protected Attributes

- static Logger `log` = `LoggerFactory.getLogger(BittorrentConnector.class)`

### Private Attributes

- String `hostname` = "localhost"
- int `port` = 57006

### 5.21.1 Detailed Description

Definition at line 18 of file BittorrentConnector.java.

### 5.21.2 Constructor & Destructor Documentation

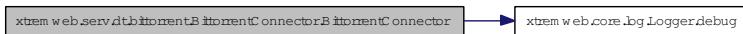
#### 5.21.2.1 `xtremweb.serv.dt.bittorrent.BittorrentConnector.BittorrentConnector () throws OOBException`

Definition at line 29 of file BittorrentConnector.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.bittorrent.BittorrentConnector.hostname`, `xtremweb.serv.dt.bittorrent.BittorrentConnector.inb`, `xtremweb.serv.dt.bittorrent.BittorrentConnector.log`, `xtremweb.serv.dt.bittorrent.BittorrentConnector.outb`, `xtremweb.serv.dt.bittorrent.BittorrentConnector.port`, and `xtremweb.serv.dt.bittorrent.BittorrentConnector.socket`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentConnector.main()`.

Here is the call graph for this function:



### 5.21.3 Member Function Documentation

#### 5.21.3.1 `void xtremweb.serv.dt.bittorrent.BittorrentConnector.logout () [protected]`

Definition at line 88 of file BittorrentConnector.java.

References `xtremweb.serv.dt.bittorrent.BittorrentConnector.sendmsg()`.

Here is the call graph for this function:

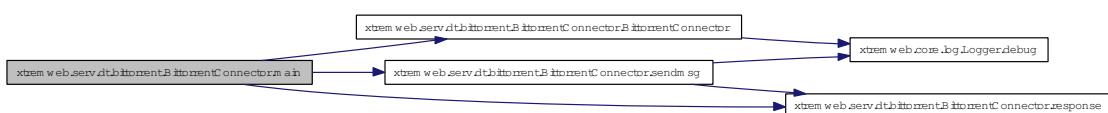


#### 5.21.3.2 `static void xtremweb.serv.dt.bittorrent.BittorrentConnector.main (String[] args) [static]`

Definition at line 110 of file BittorrentConnector.java.

References `xtremweb.serv.dt.bittorrent.BittorrentConnector.BittorrentConnector()`, `xtremweb.serv.dt.bittorrent.BittorrentConnector.response()`, and `xtremweb.serv.dt.bittorrent.BittorrentConnector.sendmsg()`.

Here is the call graph for this function:



### 5.21.3.3 String xtremweb.serv.dt.bittorrent.BittorrentConnector.response () [protected]

Definition at line 73 of file BittorrentConnector.java.

References xtremweb.serv.dt.bittorrent.BittorrentConnector.inb.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentConnector.main(), and xtremweb.serv.dt.bittorrent.BittorrentConnector.sendmsg().

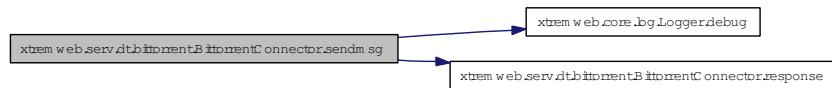
### 5.21.3.4 void xtremweb.serv.dt.bittorrent.BittorrentConnector.sendmsg (String msg) [protected]

Definition at line 96 of file BittorrentConnector.java.

References xtremweb.core.log.Logger.debug(), xtremweb.serv.dt.bittorrent.BittorrentConnector.log, xtremweb.serv.dt.bittorrent.BittorrentConnector.outb, and xtremweb.serv.dt.bittorrent.BittorrentConnector.response().

Referenced by xtremweb.serv.dt.bittorrent.BittorrentConnector.logout(), xtremweb.serv.dt.bittorrent.BittorrentConnector.main(), and xtremweb.serv.dt.bittorrent.BittorrentConnector.setIncomingDirectory().

Here is the call graph for this function:



### 5.21.3.5 void xtremweb.serv.dt.bittorrent.BittorrentConnector.setIncomingDirectory (String dir) [protected]

Definition at line 92 of file BittorrentConnector.java.

References xtremweb.serv.dt.bittorrent.BittorrentConnector.sendmsg().

Here is the call graph for this function:



## 5.21.4 Member Data Documentation

### 5.21.4.1 String xtremweb.serv.dt.bittorrent.BittorrentConnector.hostname = "localhost" [private]

Definition at line 24 of file BittorrentConnector.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentConnector.BittorrentConnector().

### 5.21.4.2 BufferedReader xtremweb.serv.dt.bittorrent.BittorrentConnector.inb [protected]

Definition at line 21 of file BittorrentConnector.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentConnector.BittorrentConnector(), and xtremweb.serv.dt.bittorrent.BittorrentConnector.response().

**5.21.4.3 Logger xtremweb.serv.dt.bittorrent.BittorrentConnector.log =  
LoggerFactory.getLogger(BittorrentConnector.class) [static, protected]**

Definition at line 27 of file BittorrentConnector.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentConnector.BittorrentConnector(), and xtremweb.serv.dt.bittorrent.BittorrentConnector.sendmsg().

**5.21.4.4 PrintStream xtremweb.serv.dt.bittorrent.BittorrentConnector.outb [protected]**

Definition at line 22 of file BittorrentConnector.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentConnector.BittorrentConnector(), and xtremweb.serv.dt.bittorrent.BittorrentConnector.sendmsg().

**5.21.4.5 int xtremweb.serv.dt.bittorrent.BittorrentConnector.port = 57006 [private]**

Definition at line 25 of file BittorrentConnector.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentConnector.BittorrentConnector().

**5.21.4.6 Socket xtremweb.serv.dt.bittorrent.BittorrentConnector.socket [protected]**

Definition at line 20 of file BittorrentConnector.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentConnector.BittorrentConnector().

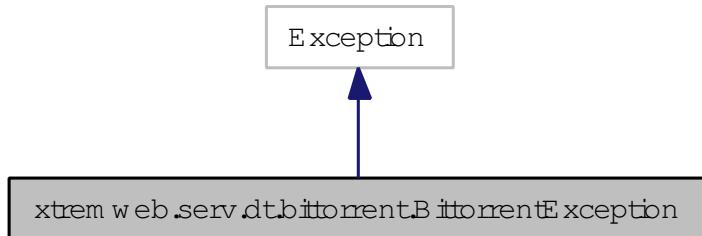
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/bittorrent/BittorrentConnector.java

## 5.22 xtremweb.serv.dt.bittorrent.BittorrentException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.serv.dt.bittorrent.BittorrentException:



### Public Member Functions

- [BittorrentException \(String message\)](#)

#### 5.22.1 Detailed Description

`BittorrentException` defines Exception

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 13 of file `BittorrentException.java`.

#### 5.22.2 Constructor & Destructor Documentation

##### 5.22.2.1 xtremweb.serv.dt.bittorrent.BittorrentException.BittorrentException (String *message*)

Creates a new `BittorrentException` instance.

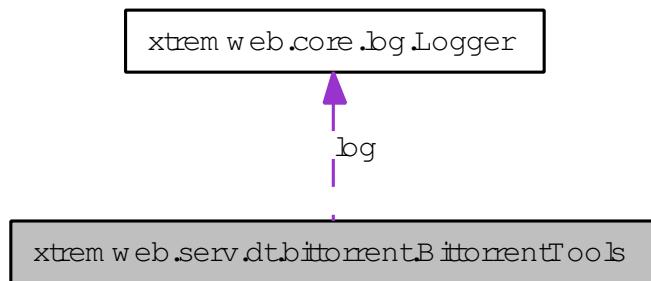
Definition at line 19 of file `BittorrentException.java`.

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

- [/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/bittorrent/BittorrentException.java](#)

## 5.23 xtremweb.serv.dt.bittorrent.BittorrentTools Class Reference

Collaboration diagram for xtremweb.serv.dt.bittorrent.BittorrentTools:



### Static Public Member Functions

- static void [init \(\)](#)
- static void [startBittorrentTracker \(\)](#)
- static void [makeTorrent \(String trackerURL, String fileName, String torrentName\)](#)
- static String [getTrackerExec \(\)](#)
- static void [setTrackerExec \(String tracker\)](#)
- static int [getTrackerPort \(\)](#)
- static void [setTrackerPort \(int port\)](#)
- static void [setMakeTorrentExec \(String torrentExec\)](#)
- static void [setTrackerOption \(String to\)](#)
- static void [main \(String\[ \] args\)](#)

### Static Public Attributes

- static String [DEFAULT\\_TRACKER\\_EXEC](#) = "/Users/fedak/Desktop/Vaults/BitTornado-CVS/bttrack.py -port 6969 -dfile dstate"
- static String [DEFAULT\\_TRACKER\\_OPTION](#) = "-dfile dstate"
- static String [DEFAULT\\_MAKE\\_TORRENT\\_EXEC](#) = "/Users/fedak/Desktop/Vaults/BitTornado-CVS/btmakemetafile.py"
- static int [DEFAULT\\_TRACKER\\_PORT](#) = 6969

### Static Protected Attributes

- static [Logger log](#) = LoggerFactory.getLogger(BittorrentTools.class)

### Static Package Functions

- [\[static initializer\]](#)

## Static Private Attributes

- static String `trackerOption`
- static String `trackerExec`
- static String `makeTorrentExec` = "/Users/fedak/Desktop/Vaults/BitTornado-CVS/btmakemetafile.py"
- static int `trackerPort` = 6969

### 5.23.1 Detailed Description

Definition at line 18 of file BitTorrentTools.java.

### 5.23.2 Member Function Documentation

**5.23.2.1 xtremweb.serv.dt.bittorrent.BittorrentTools.[static initializer] () [static, package]**

**5.23.2.2 static String xtremweb.serv.dt.bittorrent.BittorrentTools.getTrackerExec () [static]**

Definition at line 80 of file BitTorrentTools.java.

References `xtremweb.serv.dt.bittorrent.BittorrentTools.trackerExec`.

**5.23.2.3 static int xtremweb.serv.dt.bittorrent.BittorrentTools.getTrackerPort () [static]**

Definition at line 88 of file BitTorrentTools.java.

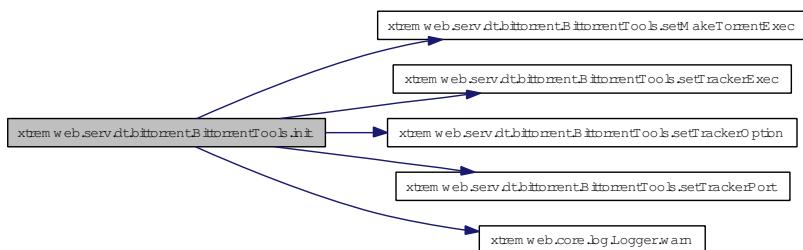
References `xtremweb.serv.dt.bittorrent.BittorrentTools.trackerPort`.

**5.23.2.4 static void xtremweb.serv.dt.bittorrent.BittorrentTools.init () [static]**

Definition at line 37 of file BitTorrentTools.java.

References `xtremweb.serv.dt.bittorrent.BittorrentTools.DEFAULT_MAKE_TORRENT_EXEC`, `xtremweb.serv.dt.bittorrent.BittorrentTools.DEFAULT_TRACKER_EXEC`, `xtremweb.serv.dt.bittorrent.BittorrentTools.DEFAULT_TRACKER_OPTION`, `xtremweb.serv.dt.bittorrent.BittorrentTools.DEFAULT_TRACKER_PORT`, `xtremweb.serv.dt.bittorrent.BittorrentTools.log`, `xtremweb.serv.dt.bittorrent.BittorrentTools.setMakeTorrentExec()`, `xtremweb.serv.dt.bittorrent.BittorrentTools.setTrackerExec()`, `xtremweb.serv.dt.bittorrent.BittorrentTools.setTrackerOption()`, `xtremweb.serv.dt.bittorrent.BittorrentTools.setTrackerPort()`, and `xtremweb.core.log.Logger.warn()`.

Here is the call graph for this function:



**5.23.2.5 static void xtremweb.serv.dt.bittorrent.BittorrentTools.main (String[ ] args) [static]**

Definition at line 104 of file BittorrentTools.java.

**5.23.2.6 static void xtremweb.serv.dt.bittorrent.BittorrentTools.makeTorrent (String *trackerURL*, String *fileName*, String *torrentName*) [static]**

Definition at line 66 of file BittorrentTools.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.exec.Executor.flushPipe(), xtremweb.serv.dt.bittorrent.BittorrentTools.log, xtremweb.serv.dt.bittorrent.BittorrentTools.makeTorrentExec, and xtremweb.core.exec.Executor.startAndWait().

Here is the call graph for this function:

**5.23.2.7 static void xtremweb.serv.dt.bittorrent.BittorrentTools.setMakeTorrentExec (String *torrentExec*) [static]**

Definition at line 96 of file BittorrentTools.java.

References xtremweb.serv.dt.bittorrent.BittorrentTools.makeTorrentExec.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTools.init().

**5.23.2.8 static void xtremweb.serv.dt.bittorrent.BittorrentTools.setTrackerExec (String *tracker*) [static]**

Definition at line 84 of file BittorrentTools.java.

References xtremweb.serv.dt.bittorrent.BittorrentTools.trackerExec.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTools.init().

**5.23.2.9 static void xtremweb.serv.dt.bittorrent.BittorrentTools.setTrackerOption (String *to*) [static]**

Definition at line 100 of file BittorrentTools.java.

References xtremweb.serv.dt.bittorrent.BittorrentTools.trackerOption.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTools.init().

**5.23.2.10 static void xtremweb.serv.dt.bittorrent.BittorrentTools.setTrackerPort (int *port*) [static]**

Definition at line 92 of file BittorrentTools.java.

References `xtremweb.serv.dt.bittorrent.BittorrentTools.trackerPort`.

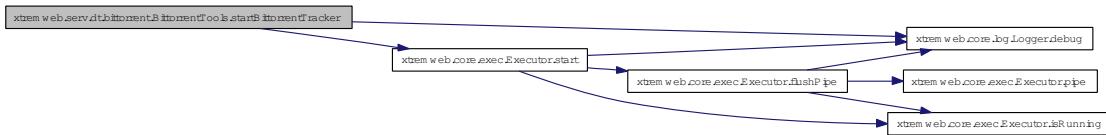
Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTools.init()`.

#### **5.23.2.11 static void xtremweb.serv.dt.bittorrent.BittorrentTools.startBittorrentTracker () [static]**

Definition at line 54 of file `BittorrentTools.java`.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.bittorrent.BittorrentTools.log`, `xtremweb.core.exec.Executor.start()`, `xtremweb.serv.dt.bittorrent.BittorrentTools.trackerExec`, `xtremweb.serv.dt.bittorrent.BittorrentTools.trackerOption`, and `xtremweb.serv.dt.bittorrent.BittorrentTools.trackerPort`.

Here is the call graph for this function:



### **5.23.3 Member Data Documentation**

#### **5.23.3.1 String xtremweb.serv.dt.bittorrent.BittorrentTools.DEFAULT\_MAKE\_TORRENT\_EXEC = "/Users/fedak/Desktop/Vaults/BitTornado-CVS/btmakemetafile.py" [static]**

Definition at line 22 of file `BittorrentTools.java`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTools.init()`.

#### **5.23.3.2 String xtremweb.serv.dt.bittorrent.BittorrentTools.DEFAULT\_TRACKER\_EXEC = "/Users/fedak/Desktop/Vaults/BitTornado-CVS/bttrack.py -port 6969 -dfile dstate" [static]**

Definition at line 20 of file `BittorrentTools.java`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTools.init()`.

#### **5.23.3.3 String xtremweb.serv.dt.bittorrent.BittorrentTools.DEFAULT\_TRACKER\_OPTION = "-dfile dstate" [static]**

Definition at line 21 of file `BittorrentTools.java`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTools.init()`.

#### **5.23.3.4 int xtremweb.serv.dt.bittorrent.BittorrentTools.DEFAULT\_TRACKER\_PORT = 6969 [static]**

Definition at line 24 of file `BittorrentTools.java`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTools.init()`.

**5.23.3.5 Logger xtremweb.serv.dt.bittorrent.BittorrentTools.log =  
LoggerFactory.getLogger(BittorrentTools.class) [static, protected]**

Definition at line 31 of file BittorrentTools.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTools.init(), xtremweb.serv.dt.bittorrent.BittorrentTools.makeTorrent(), and xtremweb.serv.dt.bittorrent.BittorrentTools.startBittorrentTracker().

**5.23.3.6 String xtremweb.serv.dt.bittorrent.BittorrentTools.makeTorrentExec =  
"/Users/fedak/Desktop/Vaults/BitTornado-CVS/btmakemetofile.py" [static,  
private]**

Definition at line 28 of file BittorrentTools.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTools.makeTorrent(), and xtremweb.serv.dt.bittorrent.BittorrentTools.setMakeTorrentExec().

**5.23.3.7 String xtremweb.serv.dt.bittorrent.BittorrentTools.trackerExec [static, private]**

Definition at line 27 of file BittorrentTools.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTools.getTrackerExec(), xtremweb.serv.dt.bittorrent.BittorrentTools.setTrackerExec(), and xtremweb.serv.dt.bittorrent.BittorrentTools.startBittorrentTracker().

**5.23.3.8 String xtremweb.serv.dt.bittorrent.BittorrentTools.trackerOption [static,  
private]**

Definition at line 26 of file BittorrentTools.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTools.setTrackerOption(), and xtremweb.serv.dt.bittorrent.BittorrentTools.startBittorrentTracker().

**5.23.3.9 int xtremweb.serv.dt.bittorrent.BittorrentTools.trackerPort = 6969 [static,  
private]**

Definition at line 29 of file BittorrentTools.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTools.getTrackerPort(), xtremweb.serv.dt.bittorrent.BittorrentTools.setTrackerPort(), and xtremweb.serv.dt.bittorrent.BittorrentTools.startBittorrentTracker().

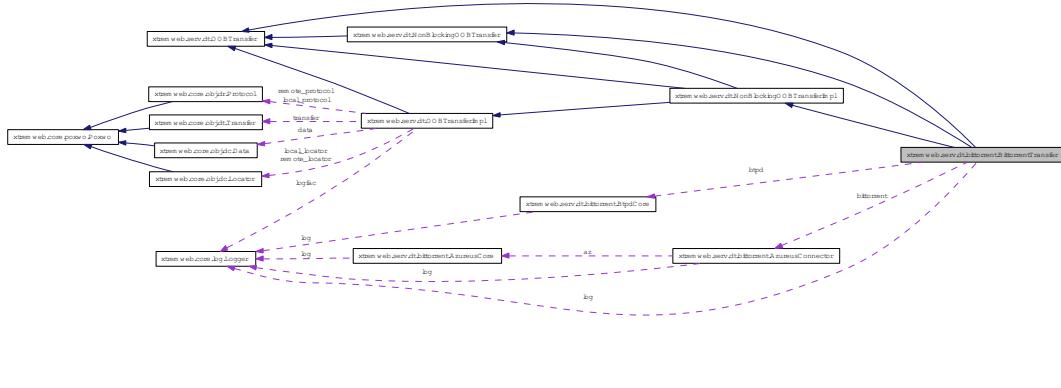
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/bittorrent/BittorrentTools.java

## **5.24 xtremweb.serv.dt.bittorrent.BittorrentTransfer Class Reference**

Inherits [xtremweb::serv::dt::NonBlockingOOBTransferImpl](#), [xtremweb::serv::dt::NonBlockingOOBTransfer](#), and [xtremweb::serv::dt::OOBTransfer](#).

## Collaboration diagram for xtremweb.serv.dt.bittorrent.BittorrentTransfer:



## Public Member Functions

- BitTorrentTransfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)
  - void `connect()` throws OOBException
  - void `nonBlockingSendSenderSide()` throws OOBException
  - void `nonBlockingSendReceiverSide()` throws OOBException
  - void `nonBlockingReceiveSenderSide()` throws OOBException
  - void `nonBlockingReceiveReceiverSide()` throws OOBException
  - void `disconnect()` throws OOBException

## Static Public Member Functions

- static void **init** () throws OOBException
  - static void **main** (String[ ] args)

## Static Protected Attributes

- static AzureusConnector bittorrent
  - static BtpdCore btpd
  - static Logger log = LoggerFactory.getLogger(BittorrentTransfer.class)

## Static Private Member Functions

- static void **prepareDirectories** ()

## Static Private Attributes

- static boolean `azureusFlag` = false
- static boolean `btpdFlag` = true
- static String `daemonDirName`
- static String `dataDirName`
- static String `torrentDirName`
- static boolean `dirInitialised` = false

### 5.24.1 Detailed Description

Definition at line 32 of file BittorrentTransfer.java.

### 5.24.2 Constructor & Destructor Documentation

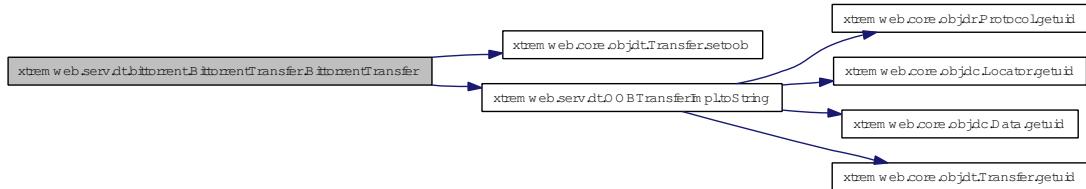
#### 5.24.2.1 xtremweb.serv.dt.bittorrent.BittorrentTransfer (Data *d*, Transfer *t*, Locator *rl*, Locator *ll*, Protocol *rp*, Protocol *lp*)

Definition at line 52 of file BittorrentTransfer.java.

References `xtremweb.core.obj.dt.Transfer.setoob()`, `xtremweb.serv.dt.OOBTransferImpl.toString()`, and `xtremweb.serv.dt.OOBTransferImpl.transfer`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTransfer.main()`.

Here is the call graph for this function:



### 5.24.3 Member Function Documentation

#### 5.24.3.1 void xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect () throws OOBException

connect

**Exceptions:**

***OOBException*** if an error occurs

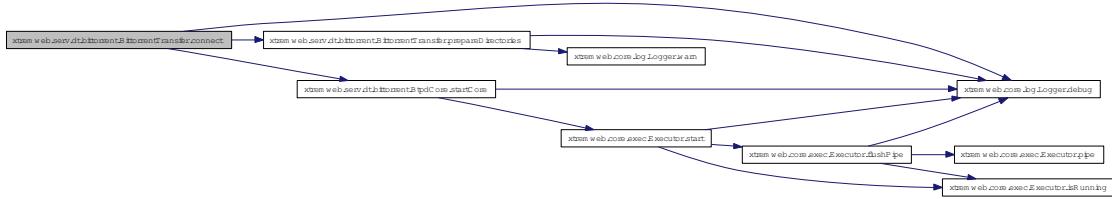
Implements `xtremweb.serv.dt.OOBTransfer`.

Definition at line 200 of file BittorrentTransfer.java.

References `xtremweb.serv.dt.bittorrent.BittorrentTransfer.azureusFlag`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.bittorrent`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.btpd`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.btpdFlag`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.daemonDirName`, `xtrmweb.core.log.Logger.debug()`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.dirInitialised`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.log`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories()`, and `xtremweb.serv.dt.bittorrent.BtpdCore.startCore()`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTransfer.main()`.

Here is the call graph for this function:



### 5.24.3.2 void `xtremweb.serv.dt.bittorrent.BittorrentTransfer.disconnect()` throws `OOBException`

Describe `disconnect` method here.

#### Exceptions:

**`OOBException`** if an error occurs

Implements `xtremweb.serv.dt.OOBTransfer`.

Definition at line 344 of file `BittorrentTransfer.java`.

References `xtremweb.core.log.Logger.debug()`, and `xtremweb.serv.dt.bittorrent.BittorrentTransfer.log`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTransfer.main()`.

Here is the call graph for this function:

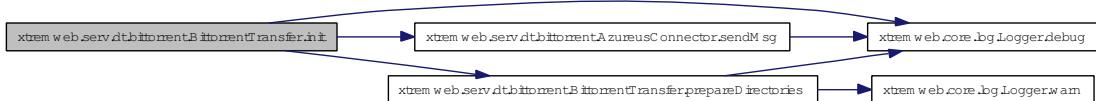


### 5.24.3.3 static void `xtremweb.serv.dt.bittorrent.BittorrentTransfer.init()` throws `OOBException` [static]

Definition at line 103 of file `BittorrentTransfer.java`.

References `xtremweb.serv.dt.bittorrent.BittorrentTransfer.azureusFlag`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.bittorrent`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.btpdFlag`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.daemonDirName`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.dataDirName`, `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.log`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories()`, `xtremweb.serv.dt.bittorrent.AzureusConnector.sendMsg()`, and `xtremweb.serv.dt.bittorrent.BittorrentTransfer.torrentDirName`.

Here is the call graph for this function:

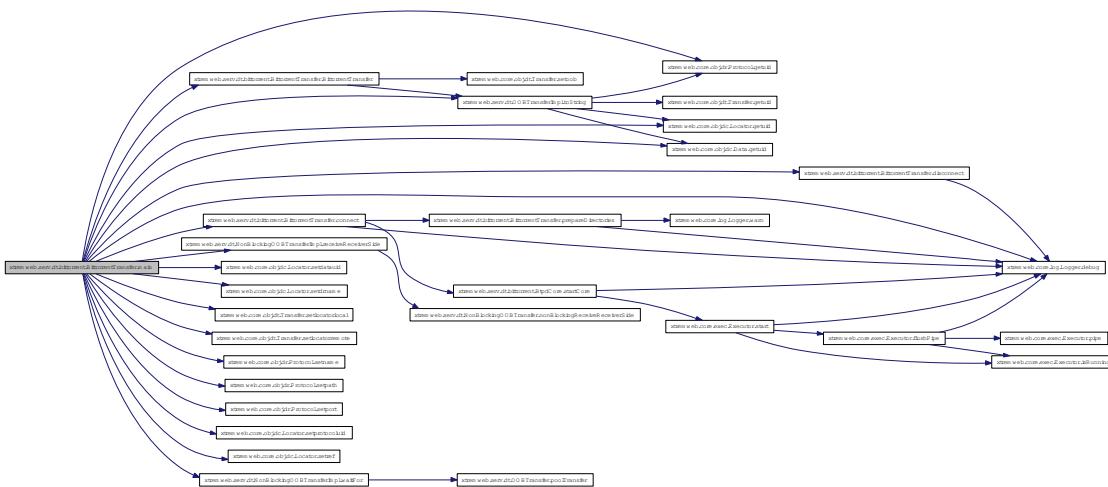


#### 5.24.3.4 static void xtremweb.serv.dt.bittorrent.BittorrentTransfer.main (String[ ] args) [static]

Definition at line 349 of file BittorrentTransfer.java.

References [xtremweb.serv.dt.bittorrent.BittorrentTransfer.BittorrentTransfer\(\)](#), [xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.data](#), [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.serv.dt.bittorrent.BittorrentTransfer.disconnect\(\)](#), [xtremweb.core.obj.dc.Locator.getuid\(\)](#), [xtremweb.core.obj.dr.Protocol.getuid\(\)](#), [xtremweb.core.obj.dc.Data.getuid\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#), [xtremweb.serv.dt.bittorrent.BittorrentTransfer.log](#), [xtremweb.serv.dt.NonBlockingOOBTransferImpl.receiveReceiverSide\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), [xtremweb.core.obj.dc.Locator.setdatauid\(\)](#), [xtremweb.core.obj.dc.Locator.setdrname\(\)](#), [xtremweb.core.obj.dt.Transfer.setlocatorlocal\(\)](#), [xtremweb.core.obj.dt.Transfer.setlocatorremote\(\)](#), [xtremweb.core.obj.dr.Protocol.setname\(\)](#), [xtremweb.core.obj.dr.Protocol.setpath\(\)](#), [xtremweb.core.obj.dc.Locator.setprotocoluid\(\)](#), [xtremweb.core.obj.dc.Locator.setref\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.toString\(\)](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl.waitFor\(\)](#).

Here is the call graph for this function:



#### 5.24.3.5 void xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceiverSide () throws OOBException

`nonBlockingReceiveReceiverSide` implements the non blocking receive from the Receiver side

**Exceptions:**

[\*\*OOBException\*\*](#) if an error occurs

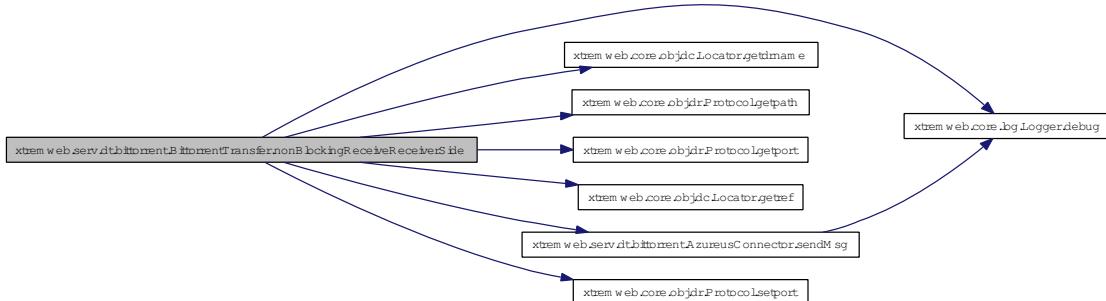
Implements [xtremweb.serv.dt.NonBlockingOOBTransfer](#).

Definition at line 268 of file BittorrentTransfer.java.

References [xtremweb.serv.dt.bittorrent.BittorrentTransfer.azureusFlag](#), [xtremweb.serv.dt.bittorrent.BittorrentTransfer.bittorrent](#), [xtremweb.serv.dt.bittorrent.BittorrentTransfer.btpdFlag](#), [xtremweb.serv.dt.bittorrent.BittorrentTransfer.daemonDirName](#),

xtremweb.serv.dt.bittorrent.BittorrentTransfer.dataDirName,  
 xtremweb.core.obj.dc.Locator.getdrname(),  
 xtremweb.core.obj.dr.Protocol.getport(),  
 xtremweb.serv.dt.OOBTransferImpl.local\_locator,  
 xtremweb.serv.dt.OOBTransferImpl.remote\_locator,  
 xtremweb.core.log.Logger.debug(),  
 xtremweb.core.obj.dr.Protocol.getpath(),  
 xtremweb.core.obj.dc.Locator.getref(),  
 xtremweb.serv.dt.bittorrent.BittorrentTransfer.log,  
 xtremweb.serv.dt.OOBTransferImpl.remote\_protocol,  
 xtremweb.serv.dt.bittorrent.AzureusConnector.sendMsg(),  
 xtremweb.core.obj.dr.Protocol.setport(),  
 and xtremweb.serv.dt.bittorrent.BittorrentTransfer.torrentDirName.

Here is the call graph for this function:



#### 5.24.3.6 void xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveSenderSide () throws OOBException

nonBlockingReceiveSenderSide implements the non blocking receive from the Sender side

##### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.NonBlockingOOBTransfer](#).

Definition at line 265 of file BittorrentTransfer.java.

#### 5.24.3.7 void xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingSendReceiverSide () throws OOBException

nonBlockingSendReceiverSide implements the non blocking send method from the Receiver side

##### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.NonBlockingOOBTransfer](#).

Definition at line 262 of file BittorrentTransfer.java.

#### 5.24.3.8 void xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingSendSenderSide () throws OOBException

nonBlockingSendSenderSide implements the non blocking Send method from the Sender side

**Exceptions:**

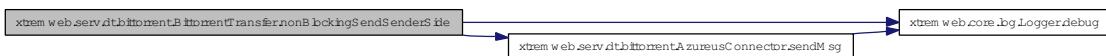
***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.NonBlockingOOBTransfer](#).

Definition at line 246 of file BittorrentTransfer.java.

References `xtremweb.serv.dt.bittorrent.BittorrentTransfer.bittorrent`, `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.log`, and `xtremweb.serv.dt.bittorrent.AzureusConnector.sendMsg()`.

Here is the call graph for this function:



#### 5.24.3.9 static void xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories () [static, private]

Definition at line 58 of file BittorrentTransfer.java.

References `xtremweb.serv.dt.bittorrent.BittorrentTransfer.azureusFlag`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.btpdFlag`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.daemonDirName`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.dataDirName`, `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.dirInitialised`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.log`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.torrentDirName`, and `xtremweb.core.log.Logger.warn()`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect()`, and `xtremweb.serv.dt.bittorrent.BittorrentTransfer.init()`.

Here is the call graph for this function:



### 5.24.4 Member Data Documentation

#### 5.24.4.1 boolean xtremweb.serv.dt.bittorrent.BittorrentTransfer.azureusFlag = false [static, private]

Definition at line 36 of file BittorrentTransfer.java.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect()`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.init()`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceive()`, and `xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories()`.

#### 5.24.4.2 AzureusConnector xtremweb.serv.dt.bittorrent.BittorrentTransfer.bittorrent [static, protected]

Definition at line 39 of file BittorrentTransfer.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.init(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceive() and xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingSendSenderSide().

#### **5.24.4.3 BtpdCore xtremweb.serv.dt.bittorrent.BittorrentTransfer.btpd [static, protected]**

Definition at line 40 of file BittorrentTransfer.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect().

#### **5.24.4.4 boolean xtremweb.serv.dt.bittorrent.BittorrentTransfer.btpdFlag = true [static, private]**

Definition at line 37 of file BittorrentTransfer.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.init(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceive() and xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories().

#### **5.24.4.5 String xtremweb.serv.dt.bittorrent.BittorrentTransfer.daemonDirName [static, private]**

Definition at line 42 of file BittorrentTransfer.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.init(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceive() and xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories().

#### **5.24.4.6 String xtremweb.serv.dt.bittorrent.BittorrentTransfer.dataDirName [static, private]**

Definition at line 43 of file BittorrentTransfer.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.init(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceive() and xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories().

#### **5.24.4.7 boolean xtremweb.serv.dt.bittorrent.BittorrentTransfer.dirInitialised = false [static, private]**

Definition at line 48 of file BittorrentTransfer.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect(), and xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories().

#### **5.24.4.8 Logger xtremweb.serv.dt.bittorrent.BittorrentTransfer.log = LoggerFactory.getLogger(BittorrentTransfer.class) [static, protected]**

Definition at line 50 of file BittorrentTransfer.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.disconnect(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.init(),

xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceive()  
xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingSendSenderSide(),  
and  
xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories().

#### 5.24.4.9 String xtremweb.serv.dt.bittorrent.BittorrentTransfer.torrentDirName [static, private]

Definition at line 44 of file BittorrentTransfer.java.

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.init(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlocking()  
and xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories().

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

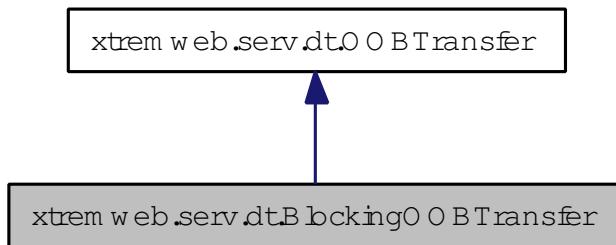
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/bittorrent/[BittorrentTransfer.java](#)

## 5.25 xtremweb.serv.dt.BlockingOOBTransfer Interface Reference

Inherits [xtremweb::serv::dt::OOBTransfer](#).

Inherited by [xtremweb.serv.dt.amazonS3.AmazonS3Transfer](#), [xtremweb.serv.dt.BlockingOOBTransferImpl](#),  
[xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.ftp.FtpTransfer](#),  
[xtremweb.serv.dt.http.HttpTransfer](#), [xtremweb.serv.dt.ipb.ipbTransfer](#), and  
[xtremweb.serv.dt.mail.MailTransfer](#).

Collaboration diagram for `xtremweb.serv.dt.BlockingOOBTransfer`:



### Public Member Functions

- void [blockingSendSenderSide](#) () throws OOBException
- void [blockingSendReceiverSide](#) () throws OOBException
- void [blockingReceiveSenderSide](#) () throws OOBException
- void [blockingReceiveReceiverSide](#) () throws OOBException

#### 5.25.1 Detailed Description

`BlockingOOBTransfer` is an interface which specifies howto implement an OOB transfer when the API relies on a Blocking API.

In this case, one has to provide 2 functions for a Send transfer `blockingSendSenderSide` and `blockingSendReceiverSide` and 2 functions for a Receive transfer `blockingReceiveSenderSide` and `blockingReceiveReceiverSide`

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 15 of file `BlockingOOBTransfer.java`.

#### 5.25.2 Member Function Documentation

##### 5.25.2.1 void [xtremweb.serv.dt.BlockingOOBTransfer.blockingReceiveReceiverSide](#) () throws OOBException

`blockingReceiveReceiverSide` implements the blocking receive from the Receiver side

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.amazonS3.AmazonS3Transfer](#), [xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.ftp.FtpTransfer](#), [xtremweb.serv.dt.http.HttpTransfer](#), [xtremweb.serv.dt.ibp.ibpTransfer](#), and [xtremweb.serv.dt.mail.MailTransfer](#).

Referenced by [xtremweb.serv.dt.TransferThread.run\(\)](#).

#### 5.25.2.2 void xtremweb.serv.dt.BlockingOOBTransfer.blockingReceiveSenderSide () throws OOBException

`blockingReceiveSenderSide` implements the blocking receive from the Sender side

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.amazonS3.AmazonS3Transfer](#), [xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.ftp.FtpTransfer](#), [xtremweb.serv.dt.http.HttpTransfer](#), [xtremweb.serv.dt.ibp.ibpTransfer](#), and [xtremweb.serv.dt.mail.MailTransfer](#).

Referenced by [xtremweb.serv.dt.TransferThread.run\(\)](#).

#### 5.25.2.3 void xtremweb.serv.dt.BlockingOOBTransfer.blockingSendReceiverSide () throws OOBException

`blockingSendReceiverSide` implements the blocking send method from the Receiver side

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.amazonS3.AmazonS3Transfer](#), [xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.ftp.FtpTransfer](#), [xtremweb.serv.dt.http.HttpTransfer](#), [xtremweb.serv.dt.ibp.ibpTransfer](#), and [xtremweb.serv.dt.mail.MailTransfer](#).

Referenced by [xtremweb.serv.dt.TransferThread.run\(\)](#).

#### 5.25.2.4 void xtremweb.serv.dt.BlockingOOBTransfer.blockingSendSenderSide () throws OOBException

`blockingSendSenderSide` implements the blocking Send method from the Sender side

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.amazonS3.AmazonS3Transfer](#), [xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.ftp.FtpTransfer](#), [xtremweb.serv.dt.http.HttpTransfer](#), [xtremweb.serv.dt.ibp.ibpTransfer](#), and [xtremweb.serv.dt.mail.MailTransfer](#).

Referenced by [xtremweb.serv.dt.TransferThread.run\(\)](#).

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

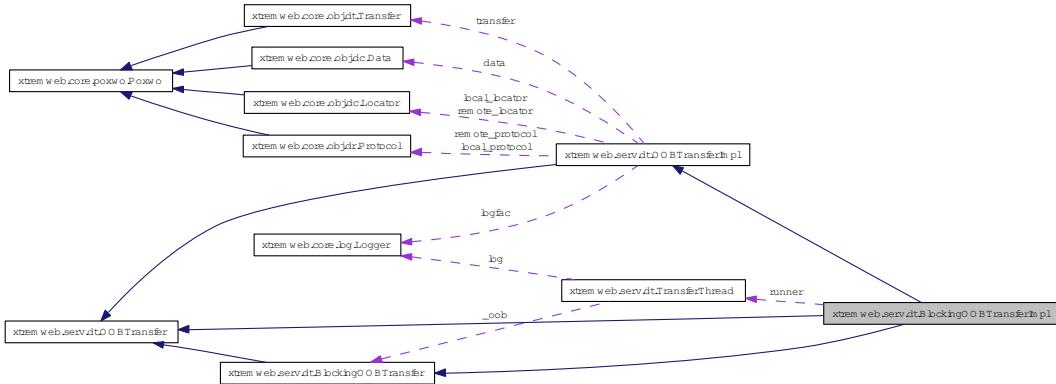
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/[BlockingOOBTransfer.java](#)

## 5.26 xtremweb.serv.dt.BlockingOOBTransferImpl Class Reference

Inherits [xtremweb::serv::dt::OOBTransferImpl](#), [xtremweb::serv::dt::OOBTransfer](#), and [xtremweb::serv::dt::BlockingOOBTransfer](#).

Inherited by [xtremweb.serv.dt.amazonS3.AmazonS3Transfer](#), [xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.ftp.FtpTransfer](#), [xtremweb.serv.dt.http.HttpTransfer](#), [xtremweb.serv.dt.ipb.ipbTransfer](#), and [xtremweb.serv.dt.mail.MailTransfer](#).

Collaboration diagram for `xtremweb.serv.dt.BlockingOOBTransferImpl`:



### Public Member Functions

- `BlockingOOBTransferImpl (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`
- `void sendSenderSide () throws OOBException`
- `void sendReceiverSide () throws OOBException`
- `void receiveSenderSide () throws OOBException`
- `void receiveReceiverSide () throws OOBException`
- `boolean isTransfering ()`
- `void waitFor ()`

### Protected Attributes

- `TransferThread runner`

#### 5.26.1 Detailed Description

`BlockingOOBTransferImpl` is an abstract class implementing `BlockingOOBTransfer` when the API relies on a Blocking API. In this case send and receive operations are executed in a separate thread.

Created: Fri Mar 9 11:22:15 2007

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 20 of file BlockingOOBTransferImpl.java.

## 5.26.2 Constructor & Destructor Documentation

### 5.26.2.1 `xtremweb.serv.dt.BlockingOOBTransferImpl.BlockingOOBTransferImpl (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`

Creates a new `BlockingOOBTransferImpl` instance.

#### Parameters:

- `d` a Data value
- `t` a Transfer value
- `rl` a Locator value
- `ll` a Locator value
- `rp` a Protocol value
- `lp` a Protocol value

Definition at line 43 of file BlockingOOBTransferImpl.java.

References `xtremweb.serv.dt.BlockingOOBTransferImpl.runner`.

## 5.26.3 Member Function Documentation

### 5.26.3.1 `boolean xtremweb.serv.dt.BlockingOOBTransferImpl.isTransferring ()`

Implements `xtremweb.serv.dt.OOBTransfer`.

Definition at line 90 of file BlockingOOBTransferImpl.java.

References `xtremweb.serv.dt.TransferThread.isTransferring`, and `xtremweb.serv.dt.BlockingOOBTransferImpl.runner`.

### 5.26.3.2 `void xtremweb.serv.dt.BlockingOOBTransferImpl.receiveReceiverSide () throws OOBException`

`receiveReceiverSide` executes the `blockingReceiveReceiver` method in a separate Thread.

#### Exceptions:

- `OOBException` if an error occurs

Implements `xtremweb.serv.dt.OOBTransfer`.

Definition at line 86 of file BlockingOOBTransferImpl.java.

References `xtremweb.serv.dt.BlockingOOBTransferImpl.runner`.

Referenced by `xtremweb.serv.dt.ibp.ibpTransfer.main()`, `xtremweb.serv.dt.http.HttpTransfer.main()`, `xtremweb.serv.dt.ftp.FtpTransfer.main()`, and `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main()`.

**5.26.3.3 void xtremweb.serv.dt.BlockingOOBTransferImpl.receiveSenderSide () throws OOBException**

receiveSenderSide is a void method

**Exceptions:**

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 76 of file BlockingOOBTransferImpl.java.

References xtremweb.serv.dt.BlockingOOBTransferImpl.runner.

**5.26.3.4 void xtremweb.serv.dt.BlockingOOBTransferImpl.sendReceiverSide () throws OOBException**

sendReceiverSide is a void method

**Exceptions:**

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 66 of file BlockingOOBTransferImpl.java.

References xtremweb.serv.dt.BlockingOOBTransferImpl.runner.

**5.26.3.5 void xtremweb.serv.dt.BlockingOOBTransferImpl.sendSenderSide () throws OOBException**

sendSenderSide executes the blockingSendSenderSide method in a separate Thread.

**Exceptions:**

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 56 of file BlockingOOBTransferImpl.java.

References xtremweb.serv.dt.BlockingOOBTransferImpl.runner.

Referenced by [xtremweb.serv.dt.ibp.ibpTransfer.main\(\)](#), [xtremweb.serv.dt.http.HttpTransfer.main\(\)](#), and [xtremweb.serv.dt.ftp.FtpTransfer.main\(\)](#).

**5.26.3.6 void xtremweb.serv.dt.BlockingOOBTransferImpl.waitFor ()**

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 94 of file BlockingOOBTransferImpl.java.

References xtremweb.serv.dt.BlockingOOBTransferImpl.runner, and [xtremweb.serv.dt.TransferThread.waitFor\(\)](#).

Here is the call graph for this function:



## 5.26.4 Member Data Documentation

### 5.26.4.1 TransferThread [xtremweb.serv.dt.BlockingOOBTransferImpl.runner](#) [protected]

`runner` is a [TransferThread](#) which helps to implements non blocking method on top of blocking method.

Definition at line 31 of file `BlockingOOBTransferImpl.java`.

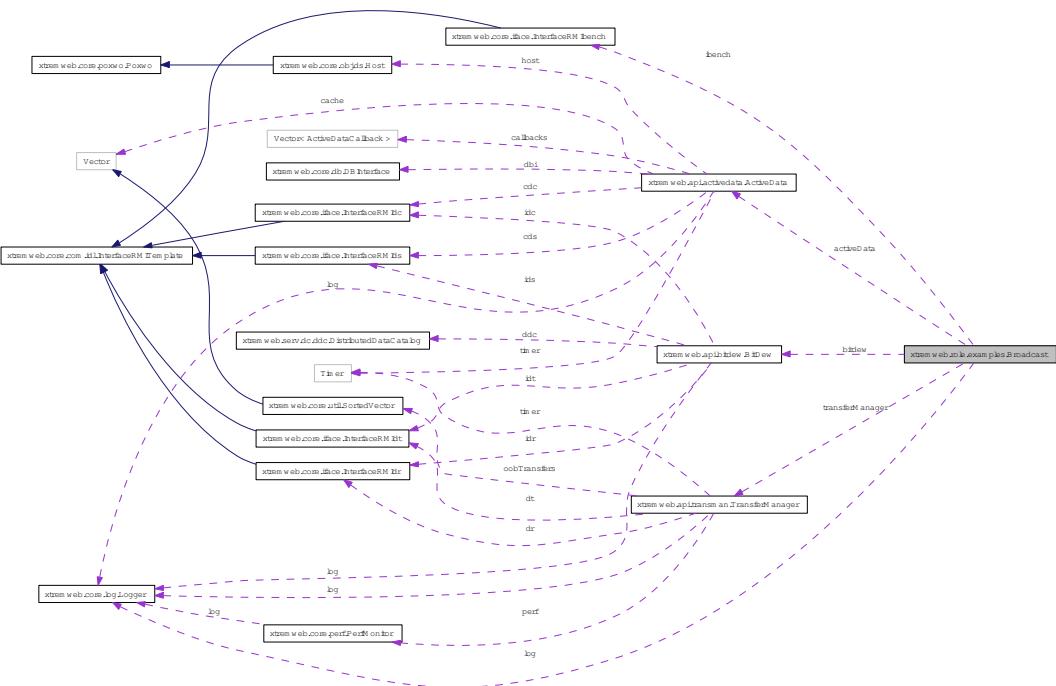
Referenced by `xtremweb.serv.dt.BlockingOOBTransferImpl.BlockingOOBTransferImpl()`, `xtremweb.serv.dt.BlockingOOBTransferImpl.isTransferring()`, `xtremweb.serv.dt.BlockingOOBTransferImpl.receiveReceiverSide()`, `xtremweb.serv.dt.BlockingOOBTransferImpl.receiveSenderSide()`, `xtremweb.serv.dt.BlockingOOBTransferImpl.sendReceiverSide()`, `xtremweb.serv.dt.BlockingOOBTransferImpl.sendSenderSide()`, and `xtremweb.serv.dt.BlockingOOBTransferImpl.waitFor()`.

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

- [/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/BlockingOOBTransferImpl.java](#)

## 5.27 xtremweb.role.examples.Broadcast Class Reference

## Collaboration diagram for xtremweb.role.examples.Broadcast:



## Classes

- class BroadcastCallback

## Public Member Functions

- **Broadcast** (String host, int port, boolean master, String dir, int w, String mh, int t) throws Exception

## Static Public Member Functions

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

## Package Attributes

- **Logger log** = LoggerFactory.getLogger(Broadcast.class)
  - **BitDew bitdew** = null
  - **ActiveData activeData** = null
  - **TransferManager transferManager** = null
  - **String \_dir**
  - **InterfaceRMIBench ibench** = null
  - **long myrank**

- String `hostName` = "prout"

- int `workers`

- long `start`

- long `dataScheduled`

- long `end`

### 5.27.1 Detailed Description

Definition at line 25 of file Broadcast.java.

### 5.27.2 Constructor & Destructor Documentation

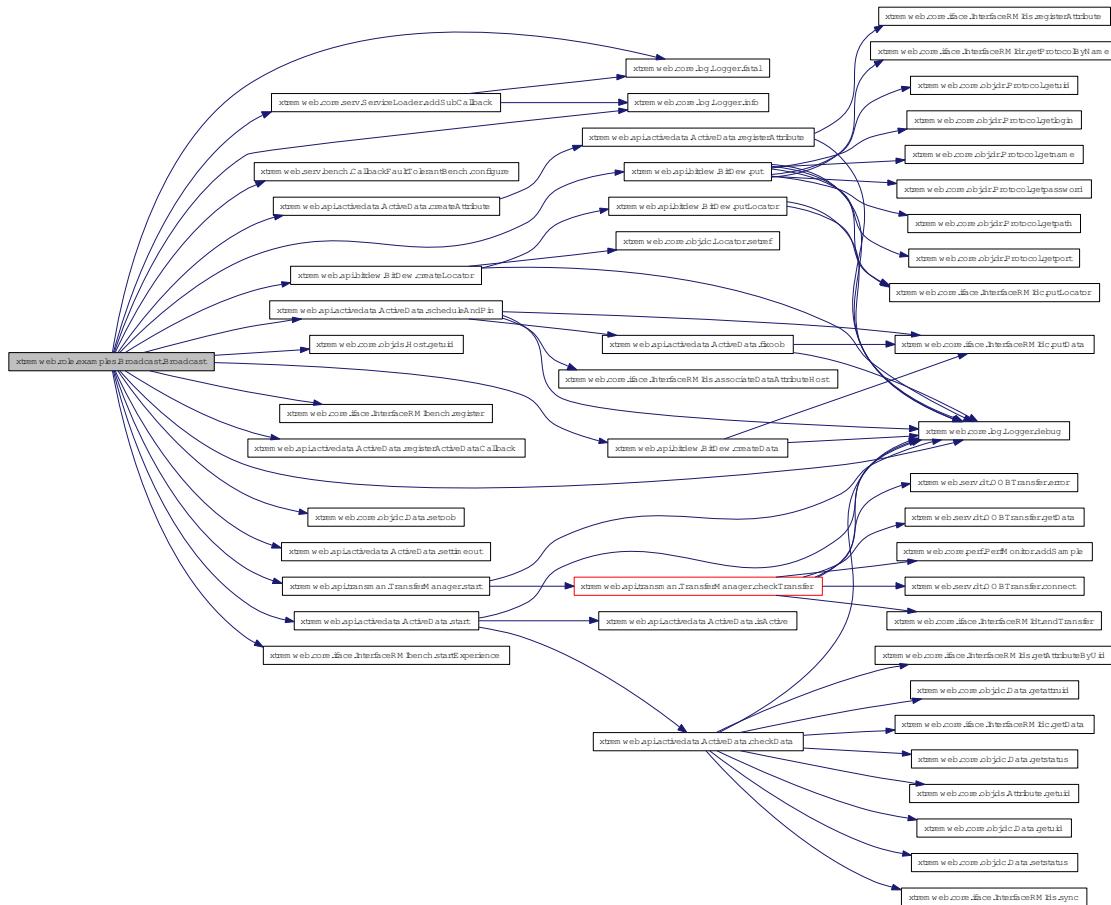
#### 5.27.2.1 `xtremweb.role.examples.Broadcast.Broadcast (String host, int port, boolean master, String dir, int w, String mh, int t) throws Exception`

Definition at line 43 of file Broadcast.java.

References `xtremweb.role.examples.Broadcast._dir`, `xtremweb.role.examples.Broadcast.activeData`, `xtremweb.core.serv.ServiceLoader.addSubCallback()`, `xtremweb.role.examples.Broadcast.bitdew`, `xtremweb.serv.bench.CallbackFaultTolerantBench.configure()`, `xtremweb.api.activedata.ActiveData.createAttribute()`, `xtremweb.api.bitdew.BitDew.createData()`, `xtremweb.api.bitdew.BitDew.createLocator()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.core.log.Logger.fatal()`, `xtremweb.core.obj.ds.Host.getuid()`, `xtremweb.role.examples.Broadcast.hostName`, `xtremweb.role.examples.Broadcast.ibench`, `xtremweb.core.log.Logger.info()`, `xtremweb.role.examples.Broadcast.log`, `xtremweb.role.examples.Broadcast.myrank`, `xtremweb.api.bitdew.BitDew.put()`, `xtremweb.core iface.InterfaceRMIBench.register()`, `xtremweb.api.activedata.ActiveData.registerActiveDataCallback()`, `xtremweb.api.activedata.ActiveData.scheduleAndPin()`, `xtremweb.core.obj.dc.Data.setoob()`, `xtremweb.api.activedata.ActiveData.setTimeout()`, `xtremweb.api.activedata.ActiveData.start()`, `xtremweb.api.transman.TransferManager.start()`, `xtremweb.core iface.InterfaceRMIBench.startExperience()`, `xtremweb.role.examples.Broadcast.transferManager`, and `xtremweb.role.examples.Broadcast.workers`.

Referenced by `xtremweb.role.examples.Broadcast.main()`.

Here is the call graph for this function:



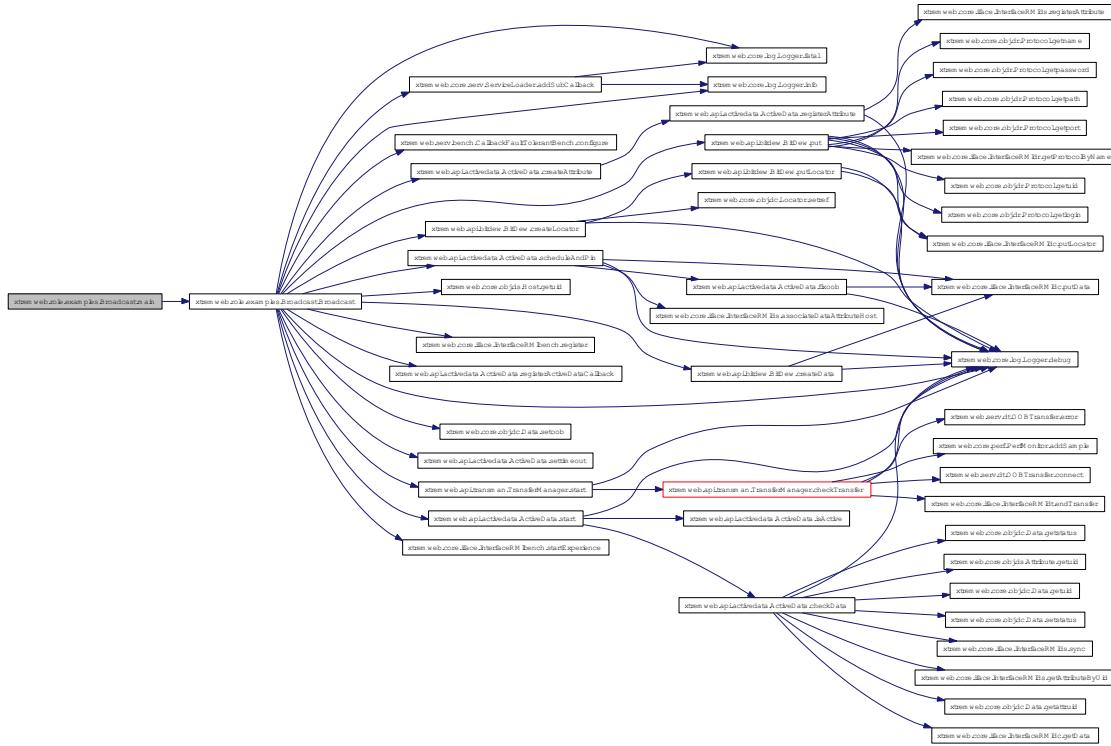
### **5.27.3 Member Function Documentation**

**5.27.3.1 static void xtremweb.role.examples.Broadcast.main (String[ ] args) throws Exception**  
[static]

Definition at line 128 of file Broadcast.java.

References `xtremweb.role.examples.Broadcast.Broadcast()`, and `xtremweb.role.examples.Broadcast.workers`.

Here is the call graph for this function:



## 5.27.4 Member Data Documentation

### 5.27.4.1 String `xtremweb.role.examples.Broadcast.dir` [package]

Definition at line 31 of file Broadcast.java.

Referenced by `xtremweb.role.examples.Broadcast.Broadcast()`, and `xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled()`.

### 5.27.4.2 ActiveData `xtremweb.role.examples.Broadcast.activeData = null` [package]

Definition at line 29 of file Broadcast.java.

Referenced by `xtremweb.role.examples.Broadcast.Broadcast()`.

### 5.27.4.3 BitDew `xtremweb.role.examples.Broadcast.bitdew = null` [package]

Definition at line 28 of file Broadcast.java.

Referenced by `xtremweb.role.examples.Broadcast.Broadcast()`, and `xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled()`.

### 5.27.4.4 long `xtremweb.role.examples.Broadcast.dataScheduled` [package]

Definition at line 40 of file Broadcast.java.

Referenced by `xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled()`.

**5.27.4.5 long xtremweb.role.examples.Broadcast.end [package]**

Definition at line 41 of file Broadcast.java.

Referenced by xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled().

**5.27.4.6 String xtremweb.role.examples.Broadcast.hostName = "prout" [package]**

Definition at line 36 of file Broadcast.java.

Referenced by xtremweb.role.examples.Broadcast.Broadcast(), and xtremweb.role.examples.Broadcast.BroadcastCallback.onD

**5.27.4.7 InterfaceRMIbench xtremweb.role.examples.Broadcast.ibench = null [package]**

Definition at line 33 of file Broadcast.java.

Referenced by xtremweb.role.examples.Broadcast.Broadcast(), and xtremweb.role.examples.Broadcast.BroadcastCallback.onD

**5.27.4.8 Logger xtremweb.role.examples.Broadcast.log = LoggerFactory.getLogger(Broadcast.class) [package]**

Definition at line 27 of file Broadcast.java.

Referenced by xtremweb.role.examples.Broadcast.Broadcast(), and xtremweb.role.examples.Broadcast.BroadcastCallback.onD

**5.27.4.9 long xtremweb.role.examples.Broadcast.myrank [package]**

Definition at line 34 of file Broadcast.java.

Referenced by xtremweb.role.examples.Broadcast.Broadcast(), and xtremweb.role.examples.Broadcast.BroadcastCallback.onD

**5.27.4.10 long xtremweb.role.examples.Broadcast.start [package]**

Definition at line 39 of file Broadcast.java.

**5.27.4.11 TransferManager xtremweb.role.examples.Broadcast.transferManager = null [package]**

Definition at line 30 of file Broadcast.java.

Referenced by xtremweb.role.examples.Broadcast.Broadcast(), and xtremweb.role.examples.Broadcast.BroadcastCallback.onD

**5.27.4.12 int xtremweb.role.examples.Broadcast.workers [package]**

Definition at line 37 of file Broadcast.java.

Referenced by xtremweb.role.examples.Broadcast.Broadcast(), and xtremweb.role.examples.Broadcast.main().

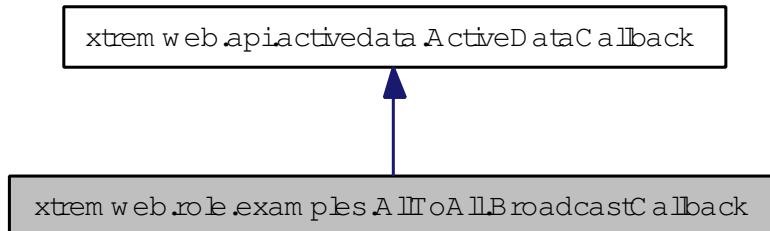
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[Broadcast.java](#)

## 5.28 xtremweb.role.examples.AllToAll.BroadcastCallback Class Reference

Inherits [xtremweb::api::activedata::ActiveDataCallback](#).

Collaboration diagram for xtremweb.role.examples.AllToAll.BroadcastCallback:



### Public Member Functions

- void [onDataScheduled \(Data data, Attribute attr\)](#)
- void [onDataDeleted \(Data data, Attribute attr\)](#)

#### 5.28.1 Detailed Description

Definition at line 237 of file AllToAll.java.

#### 5.28.2 Member Function Documentation

##### 5.28.2.1 void xtremweb.role.examples.AllToAll.BroadcastCallback.onDataDeleted (Data *data*, Attribute *attr*)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 281 of file AllToAll.java.

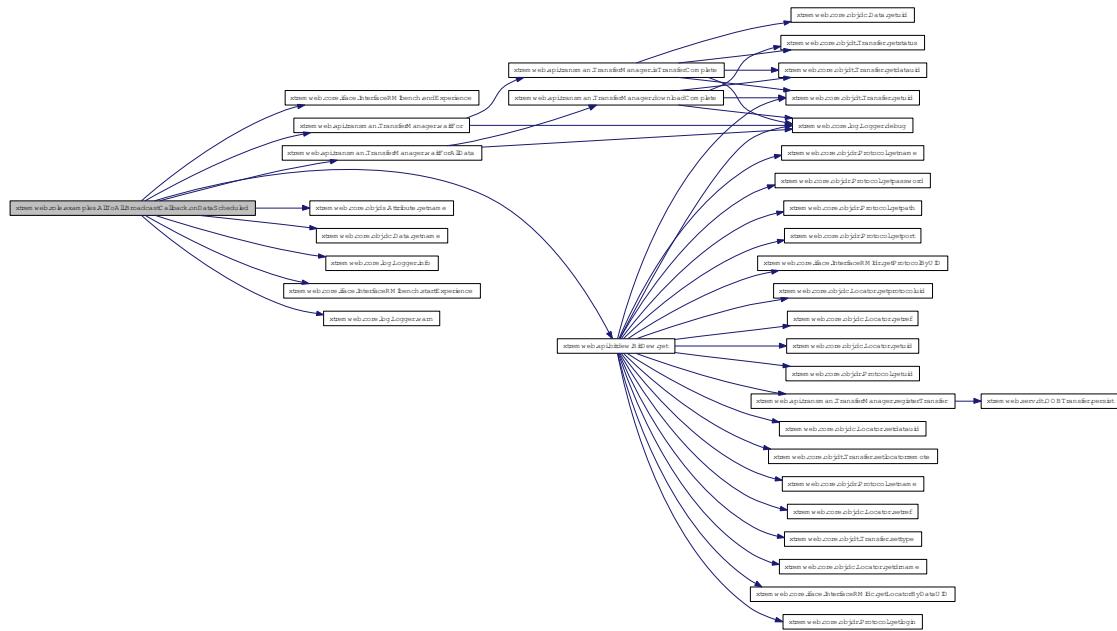
##### 5.28.2.2 void xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled (Data *data*, Attribute *attr*)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 240 of file AllToAll.java.

References [xtremweb.role.examples.AllToAll.\\_dir](#), [xtremweb.role.examples.AllToAll.bitdew](#), [xtremweb.role.examples.AllToAll.end](#), [xtremweb.core iface.InterfaceRMIBench.endExperience\(\)](#), [xtremweb.api.bitdew.BitDew.get\(\)](#), [xtremweb.core.obj.ds.Attribute.getname\(\)](#), [xtremweb.core.obj.dc.Data.getname\(\)](#), [xtremweb.role.examples.AllToAll.hostName](#), [xtremweb.role.examples.AllToAll.ibench](#), [xtremweb.core.log.Logger.info\(\)](#), [xtremweb.role.examples.AllToAll.log](#), [xtremweb.role.examples.AllToAll.myrank](#), [xtremweb.role.examples.AllToAll.nbdata](#), [xtremweb.role.examples.AllToAll.received](#), [xtremweb.role.examples.AllToAll.start](#), [xtremweb.core iface.InterfaceRMIBench.startExperience\(\)](#), [xtremweb.role.examples.AllToAll.transferManager](#), [xtremweb.api.transman.TransferManager.waitFor\(\)](#), [xtremweb.api.transman.TransferManager.waitForAllData\(\)](#), and [xtremweb.core.log.Logger.warn\(\)](#).

Here is the call graph for this function:



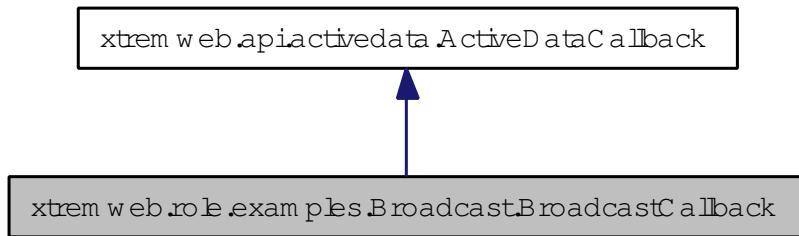
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/AllToAll.java

## 5.29 xtremweb.role.examples.Broadcast.BroadcastCallback Class Reference

Inherits [xtremweb::api::activedata::ActiveDataCallback](#).

Collaboration diagram for xtremweb.role.examples.Broadcast.BroadcastCallback:



### Public Member Functions

- void [onDataScheduled \(Data data, Attribute attr\)](#)
- void [onDataDeleted \(Data data, Attribute attr\)](#)

#### 5.29.1 Detailed Description

Definition at line 169 of file Broadcast.java.

#### 5.29.2 Member Function Documentation

##### 5.29.2.1 void xtremweb.role.examples.Broadcast.BroadcastCallback.onDataDeleted (Data *data*, Attribute *attr*)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 196 of file Broadcast.java.

##### 5.29.2.2 void xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled (Data *data*, Attribute *attr*)

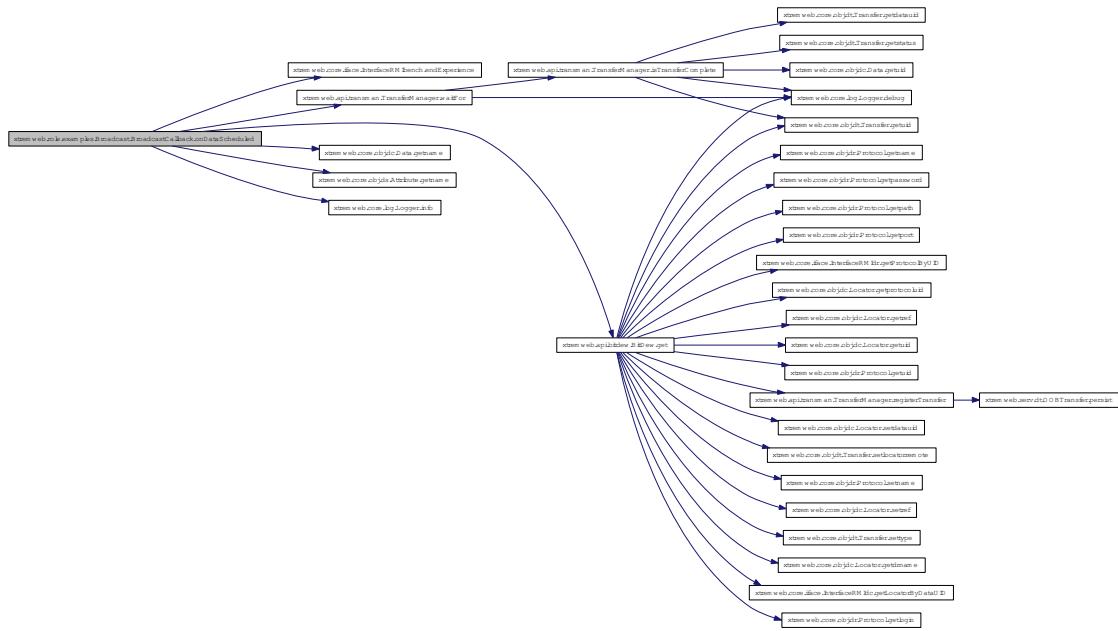
Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 171 of file Broadcast.java.

References [xtremweb.role.examples.Broadcast.\\_dir](#), [xtremweb.role.examples.Broadcast.dataScheduled](#), [xtremweb.core iface.InterfaceRMIBench.endExperience\(\)](#), [xtremweb.core obj dc Data.getname\(\)](#), [xtremweb.role.examples.Broadcast.hostName](#), [xtremweb.core log.Logger.info\(\)](#), [xtremweb.role.examples.Broadcast.myrank](#), and [xtremweb.api transman TransferManager.waitFor\(\)](#).

[xtremweb.role.examples.Broadcast.bitdew](#),  
[xtremweb.role.examples.Broadcast.end](#),  
[xtremweb.api bitdew BitDew.get\(\)](#),  
[xtremweb.core obj ds Attribute.getname\(\)](#),  
[xtremweb.role.examples.Broadcast.ibench](#),  
[xtremweb.role.examples.Broadcast.log](#), and  
[xtremweb.role.examples.Broadcast.transferManager](#).

Here is the call graph for this function:



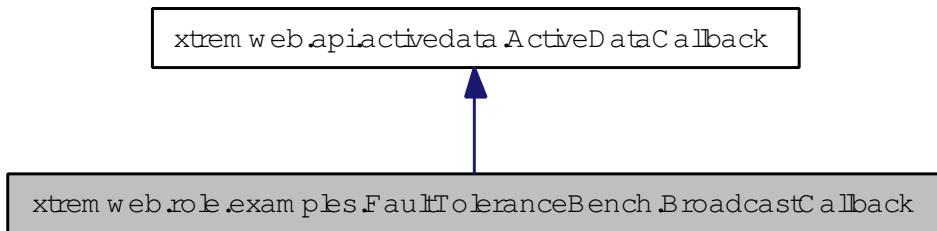
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[Broadcast.java](#)

## 5.30 xtremweb.role.examples.FaultToleranceBench.BroadcastCallback Class Reference

Inherits [xtremweb::api::activedata::ActiveDataCallback](#).

Collaboration diagram for xtremweb.role.examples.FaultToleranceBench.BroadcastCallback:



### Public Member Functions

- void [onDataScheduled \(Data data, Attribute attr\)](#)
- void [onDataDeleted \(Data data, Attribute attr\)](#)

#### 5.30.1 Detailed Description

Definition at line 170 of file FaultToleranceBench.java.

#### 5.30.2 Member Function Documentation

##### 5.30.2.1 void xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataDeleted (Data data, Attribute attr)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 195 of file FaultToleranceBench.java.

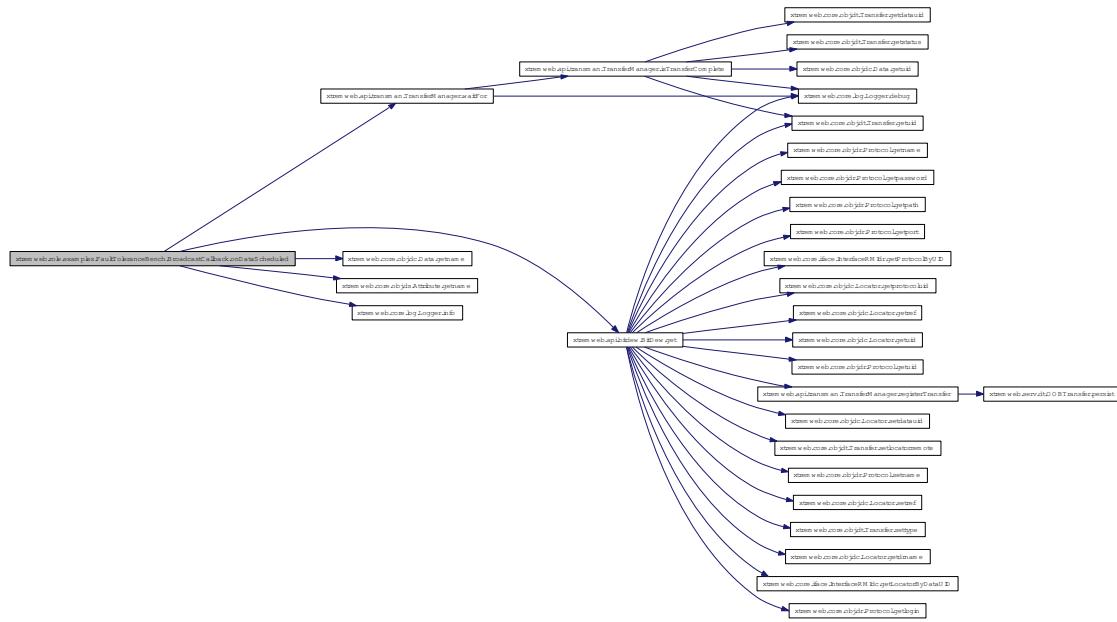
##### 5.30.2.2 void xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled (Data data, Attribute attr)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 172 of file FaultToleranceBench.java.

References `xtremweb.role.examples.FaultToleranceBench._dir`, `xtremweb.role.examples.FaultToleranceBench.bitdew`, `xtremweb.role.examples.FaultToleranceBench.dataScheduled`, `xtremweb.role.examples.FaultToleranceBench.end`, `xtremweb.api.bitdew.BitDew.get()`, `xtremweb.core.obj.dc.Data.getname()`, `xtremweb.core.obj.ds.Attribute.getname()`, `xtremweb.role.examples.FaultToleranceBench.hostName`, `xtremweb.core.log.Logger.info()`, `xtremweb.role.examples.FaultToleranceBench.log`, `xtremweb.role.examples.FaultToleranceBench.start`, `xtremweb.role.examples.FaultToleranceBench.transferManager`, and `xtremweb.api.transman.TransferManager.waitFor()`.

Here is the call graph for this function:

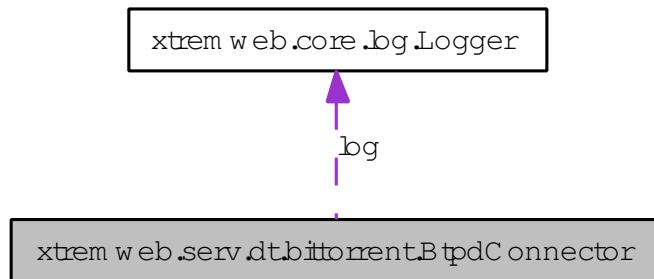


The documentation for this class was generated from the following file:

- `/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/FaultToleranceBench.java`

## 5.31 xtremweb.serv.dt.bittorrent.BtpdConnector Class Reference

Collaboration diagram for xtremweb.serv.dt.bittorrent.BtpdConnector:



### Public Member Functions

- [BtpdConnector \(\)](#)
- void [addTorrent](#) (String daemonDir, String dataDir, String torrentURL) throws BittorrentException

### Public Attributes

- String [btpdCliExec](#)

### Static Public Attributes

- static final String [DEFAULT\\_BTPDCLI\\_EXEC](#) = "/usr/local/bin/btcli"

### Static Protected Attributes

- static [Logger log](#) = LoggerFactory.getLogger(AzureusCore.class)

#### 5.31.1 Detailed Description

[BtpdConnector](#)

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 16 of file BtpdConnector.java.

## 5.31.2 Constructor & Destructor Documentation

### 5.31.2.1 xtremweb.serv.dt.bittorrent.BtpdConnector.BtpdConnector ()

Creates a new [BtpdConnector](#) instance.

Definition at line 27 of file BtpdConnector.java.

References `xtremweb.serv.dt.bittorrent.BtpdConnector.btpdCliExec`, `xtremweb.serv.dt.bittorrent.BtpdConnector.DEFAULT_BTPDCLI_EXEC`, `xtremweb.serv.dt.bittorrent.BtpdConnector.log`, and `xtremweb.core.log.Logger.warn()`.

Here is the call graph for this function:



## 5.31.3 Member Function Documentation

### 5.31.3.1 void xtremweb.serv.dt.bittorrent.BtpdConnector.addTorrent (String *daemonDir*, String *dataDir*, String *torrentURL*) throws BittorrentException

Definition at line 41 of file BtpdConnector.java.

References `xtremweb.serv.dt.bittorrent.BtpdConnector.btpdCliExec`, `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.bittorrent.BtpdConnector.log`, and `xtremweb.core.exec.Executor.startAndWait()`.

Here is the call graph for this function:



## 5.31.4 Member Data Documentation

### 5.31.4.1 String xtremweb.serv.dt.bittorrent.BtpdConnector.btpdCliExec

Definition at line 18 of file BtpdConnector.java.

Referenced by `xtremweb.serv.dt.bittorrent.BtpdConnector.addTorrent()`, `xtremweb.serv.dt.bittorrent.BtpdConnector.BtpdConnector()`, and `xtremweb.serv.dt.bittorrent.BtpdConnector.DEFAULT_BTPDCLI_EXEC`.

### 5.31.4.2 final String xtremweb.serv.dt.bittorrent.BtpdConnector.DEFAULT\_BTPDCLI\_EXEC = "/usr/local/bin/btcli" [static]

Definition at line 19 of file BtpdConnector.java.

Referenced by `xtremweb.serv.dt.bittorrent.BtpdConnector.BtpdConnector()`.

**5.31.4.3 Logger xtremweb.serv.dt.bittorrent.BtpdConnector.log =  
LoggerFactory.getLogger(AzureusCore.class) [static, protected]**

Definition at line 21 of file BtpdConnector.java.

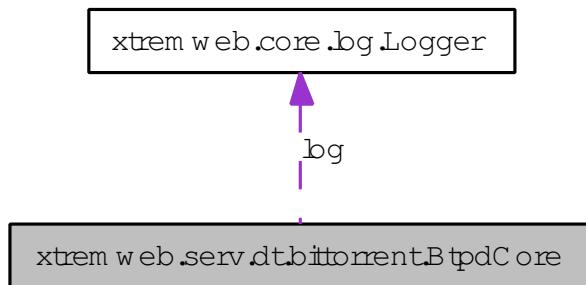
Referenced by xtremweb.serv.dt.bittorrent.BtpdConnector.addTorrent(), and  
xtremweb.serv.dt.bittorrent.BtpdConnector.BtpdConnector().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/bittorrent/[BtpdConnector.java](#)

## 5.32 xtremweb.serv.dt.bittorrent.BtpdCore Class Reference

Collaboration diagram for xtremweb.serv.dt.bittorrent.BtpdCore:



### Public Member Functions

- [BtpdCore \(\)](#)
- [BtpdCore \(String path\)](#)
- void [startCore \(\)](#) throws BitTorrentException

### Static Public Member Functions

- static void [main \(String\[ \] args\)](#) throws Exception

### Static Public Attributes

- static final String [DEFAULT\\_BTPD\\_EXEC](#) = "/usr/local/bin/btpd"
- static final String [DEFAULT\\_BTPD\\_PATH](#) = "btpd"
- static final String [DEFAULT\\_BTPD\\_OPTIONS](#) = " -max-uploads -1 -empty-start "

### Static Protected Attributes

- static [Logger log](#) = LoggerFactory.getLogger(BtpdCore.class)

### Private Attributes

- String [btpdExec](#)
- String [btpdPath](#)
- String [btpdOptions](#)

### 5.32.1 Detailed Description

[BtpdCore](#)

#### Author:

Gilles Fedak

**Version:**

1.0

Definition at line 19 of file BtpdCore.java.

### 5.32.2 Constructor & Destructor Documentation

#### 5.32.2.1 xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore ()

Creates a new [BtpdCore](#) instance.

Definition at line 36 of file BtpdCore.java.

References xtremweb.serv.dt.bittorrent.BtpdCore.DEFAULT\_BTPD\_PATH.

Referenced by xtremweb.serv.dt.bittorrent.BtpdCore.main().

#### 5.32.2.2 xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore (String path)

Creates a new [BtpdCore](#) instance.

Definition at line 45 of file BtpdCore.java.

References xtremweb.serv.dt.bittorrent.BtpdCore.btpdExec, xtremweb.serv.dt.bittorrent.BtpdCore.btpdOptions, xtremweb.serv.dt.bittorrent.BtpdCore.btpdPath, xtremweb.serv.dt.bittorrent.BtpdCore.DEFAULT\_BTPD\_EXEC, xtremweb.serv.dt.bittorrent.BtpdCore.DEFAULT\_BTPD\_OPTIONS, xtremweb.serv.dt.bittorrent.BtpdCore.log, and xtremweb.core.log.Logger.warn().

Here is the call graph for this function:



### 5.32.3 Member Function Documentation

#### 5.32.3.1 static void xtremweb.serv.dt.bittorrent.BtpdCore.main (String[ ] args) throws Exception [static]

main test the launch of Azureus

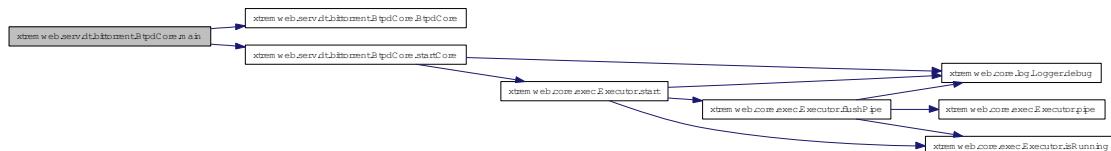
**Parameters:**

*args* a String[ ] value

Definition at line 89 of file BtpdCore.java.

References xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore(), and xtremweb.serv.dt.bittorrent.BtpdCore.startCore().

Here is the call graph for this function:



### 5.32.3.2 void xtremweb.serv.dt.bittorrent.BtpdCore.startCore () throws BittorrentException

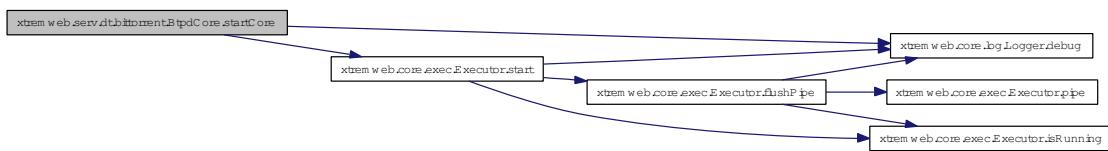
startCore start the daemon

Definition at line 64 of file BtpdCore.java.

References xtremweb.serv.dt.bittorrent.BtpdCore.btpdExec, xtremweb.serv.dt.bittorrent.BtpdCore.btpdOptions, xtremweb.serv.dt.bittorrent.BtpdCore.btpdPath, xtremweb.core.log.Logger.debug(), xtremweb.serv.dt.bittorrent.BtpdCore.log, and xtremweb.core.exec.Executor.start().

Referenced by xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect(), and xtremweb.serv.dt.bittorrent.BtpdCore.main().

Here is the call graph for this function:



### 5.32.4 Member Data Documentation

#### 5.32.4.1 String xtremweb.serv.dt.bittorrent.BtpdCore.btpdExec [private]

Definition at line 21 of file BtpdCore.java.

Referenced by xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore(), and xtremweb.serv.dt.bittorrent.BtpdCore.startCore().

#### 5.32.4.2 String xtremweb.serv.dt.bittorrent.BtpdCore.btpdOptions [private]

Definition at line 23 of file BtpdCore.java.

Referenced by xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore(), and xtremweb.serv.dt.bittorrent.BtpdCore.startCore().

#### 5.32.4.3 String xtremweb.serv.dt.bittorrent.BtpdCore.btpdPath [private]

Definition at line 22 of file BtpdCore.java.

Referenced by xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore(), and xtremweb.serv.dt.bittorrent.BtpdCore.startCore().

#### 5.32.4.4 final String xtremweb.serv.dt.bittorrent.BtpdCore.DEFAULT\_BTPD\_EXEC = "/usr/local/bin/btpd" [static]

Definition at line 25 of file BtpdCore.java.

Referenced by xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore().

**5.32.4.5 final String xtremweb.serv.dt.bittorrent.BtpdCore.DEFAULT\_BTPD\_OPTIONS = "  
-max-uploads -1 -empty-start "** [static]

Definition at line 27 of file BtpdCore.java.

Referenced by xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore().

**5.32.4.6 final String xtremweb.serv.dt.bittorrent.BtpdCore.DEFAULT\_BTPD\_PATH = "btpd"**  
[static]

Definition at line 26 of file BtpdCore.java.

Referenced by xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore().

**5.32.4.7 Logger xtremweb.serv.dt.bittorrent.BtpdCore.log = LoggerFac-  
tory.getLogger(BtpdCore.class)** [static, protected]

Definition at line 29 of file BtpdCore.java.

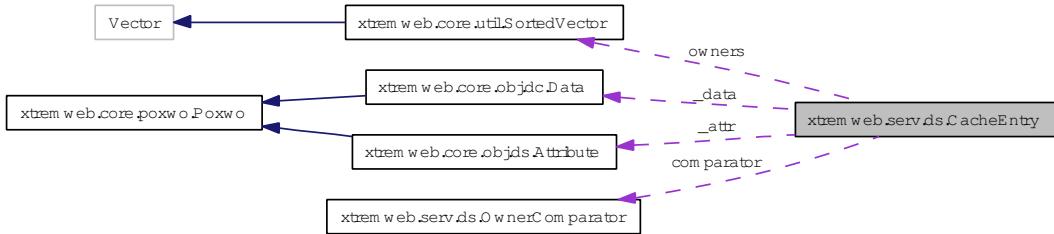
Referenced by xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore(), and  
xtremweb.serv.dt.bittorrent.BtpdCore.startCore().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/bittorrent/[BtpdCore.java](#)

## 5.33 xtremweb.serv.ds.CacheEntry Class Reference

Collaboration diagram for xtremweb.serv.ds.CacheEntry:



### Public Member Functions

- [CacheEntry \(Data data, Attribute attr\)](#)
- [String getDataUid \(\)](#)
- [Attribute getAttribute \(\)](#)
- [String getAttributeUid \(\)](#)
- [void setAttribute \(Attribute attr\)](#)
- [Data getData \(\)](#)
- [int getOwnersNumber \(\)](#)
- [void resetOwners \(\)](#)
- [void setOwner \(Host host\)](#)
- [void updateOwners \(\)](#)
- [void updateOwner \(Host host\)](#)
- [void removeOwner \(Host host\)](#)

### Private Attributes

- [Data \\_data](#)
- [Attribute \\_attr](#)
- [OwnerComparator comparator = new OwnerComparator\(\)](#)
- [SortedVector owners](#)

#### 5.33.1 Detailed Description

Definition at line 18 of file CacheEntry.java.

#### 5.33.2 Constructor & Destructor Documentation

##### 5.33.2.1 xtremweb.serv.ds.CacheEntry.CacheEntry (Data data, Attribute attr)

Creates a new [CacheEntry](#) instance.

Definition at line 29 of file CacheEntry.java.

References [xtremweb.serv.ds.CacheEntry.\\_attr](#), [xtremweb.serv.ds.CacheEntry.\\_data](#), [xtremweb.serv.ds.CacheEntry.comparator](#), and [xtremweb.serv.ds.CacheEntry.owners](#).

### 5.33.3 Member Function Documentation

#### 5.33.3.1 Attribute `xtremweb.serv.ds.CacheEntry.getAttribute()`

Definition at line 39 of file CacheEntry.java.

References `xtremweb.serv.ds.CacheEntry._attr`.

Referenced by `xtremweb.serv.ds.DataScheduler.getNewDataFromCache()`, and `xtremweb.serv.ds.DataScheduler.removeDataFromCache()`.

#### 5.33.3.2 String `xtremweb.serv.ds.CacheEntry.getAttributeUid()`

Definition at line 43 of file CacheEntry.java.

References `xtremweb.serv.ds.CacheEntry._attr`, and `xtremweb.core.obj.ds.Attribute.getuid()`.

Referenced by `xtremweb.serv.ds.DataScheduler.updateAttribute()`.

Here is the call graph for this function:



#### 5.33.3.3 Data `xtremweb.serv.ds.CacheEntry.getData()`

Definition at line 51 of file CacheEntry.java.

References `xtremweb.serv.ds.CacheEntry._data`.

Referenced by `xtremweb.serv.ds.DataScheduler.getNewDataFromCache()`, `xtremweb.serv.ds.DataScheduler.removeData()`, and `xtremweb.serv.ds.DataScheduler.removeDataFromCache()`.

#### 5.33.3.4 String `xtremweb.serv.ds.CacheEntry.getDataUid()`

Definition at line 35 of file CacheEntry.java.

References `xtremweb.serv.ds.CacheEntry._data`, and `xtremweb.core.obj.dc.Data.getuid()`.

Here is the call graph for this function:



#### 5.33.3.5 int `xtremweb.serv.ds.CacheEntry.getOwnersNumber()`

Definition at line 55 of file CacheEntry.java.

References `xtremweb.serv.ds.CacheEntry.owners`.

Referenced by `xtremweb.serv.ds.DataScheduler.getNewDataFromCache()`, `xtremweb.serv.ds.test.CacheEntryTest.testLastAlive()`, and `xtremweb.serv.ds.test.CacheEntryTest.testOwners()`.

### 5.33.3.6 void xtremweb.serv.ds.CacheEntry.removeOwner (Host *host*)

Definition at line 90 of file CacheEntry.java.

References xtremweb.serv.ds.CacheEntry.owners, and xtremweb.core.util.SortedVector.removeElement().

Referenced by xtremweb.serv.ds.test.CacheEntryTest.testOwners().

Here is the call graph for this function:



### 5.33.3.7 void xtremweb.serv.ds.CacheEntry.resetOwners ()

Definition at line 59 of file CacheEntry.java.

References xtremweb.serv.ds.CacheEntry.owners.

Referenced by xtremweb.serv.ds.DataScheduler.resetOwners(), and xtremweb.serv.ds.test.CacheEntryTest.testOwners().

### 5.33.3.8 void xtremweb.serv.ds.CacheEntry.setAttribute (Attribute *attr*)

Definition at line 47 of file CacheEntry.java.

References xtremweb.serv.ds.CacheEntry.\_attr.

Referenced by xtremweb.serv.ds.DataScheduler.associateDataAttribute(), xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache(), and xtremweb.serv.ds.DataScheduler.updateAttribute().

### 5.33.3.9 void xtremweb.serv.ds.CacheEntry.setOwner (Host *host*)

Definition at line 63 of file CacheEntry.java.

References xtremweb.core.util.SortedVector.addElement(), and xtremweb.serv.ds.CacheEntry.owners.

Referenced by xtremweb.serv.ds.DataScheduler.getNewDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache(), xtremweb.serv.ds.test.CacheEntryTest.testLastAlive(), and xtremweb.serv.ds.test.CacheEntryTest.testOwners().

Here is the call graph for this function:



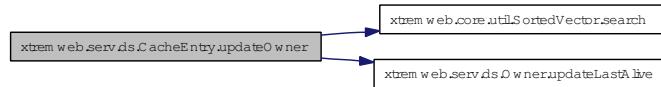
### 5.33.3.10 void xtremweb.serv.ds.CacheEntry.updateOwner (Host *host*)

Definition at line 81 of file CacheEntry.java.

References xtremweb.serv.ds.CacheEntry.owners, xtremweb.core.util.SortedVector.search(), and xtremweb.serv.ds.Owner.updateLastAlive().

Referenced by xtremweb.serv.ds.DataScheduler.associateDataAttributeHost(), xtremweb.serv.ds.DataScheduler.associateDataHost(), xtremweb.serv.ds.DataScheduler.removeDataFromCache(), and xtremweb.serv.ds.test.CacheEntryTest.testLastAlive().

Here is the call graph for this function:



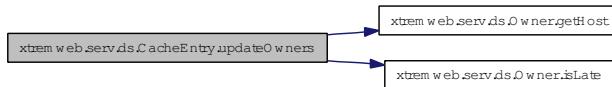
### 5.33.3.11 void xtremweb.serv.ds.CacheEntry.updateOwners ()

Definition at line 68 of file CacheEntry.java.

References xtremweb.serv.ds.Owner.getHost(), xtremweb.serv.ds.Owner.isLate(), and xtremweb.serv.ds.CacheEntry.owners.

Referenced by xtremweb.serv.ds.DataScheduler.getNewDataFromCache(), and xtremweb.serv.ds.test.CacheEntryTest.testLastAlive().

Here is the call graph for this function:



## 5.33.4 Member Data Documentation

### 5.33.4.1 Attribute xtremweb.serv.ds.CacheEntry.\_attr [private]

Definition at line 21 of file CacheEntry.java.

Referenced by xtremweb.serv.ds.CacheEntry.CacheEntry(), xtremweb.serv.ds.CacheEntry.getAttribute(), xtremweb.serv.ds.CacheEntry.getAttributeUid(), and xtremweb.serv.ds.CacheEntry.setAttribute().

### 5.33.4.2 Data xtremweb.serv.ds.CacheEntry.\_data [private]

Definition at line 20 of file CacheEntry.java.

Referenced by xtremweb.serv.ds.CacheEntry.CacheEntry(), xtremweb.serv.ds.CacheEntry.getData(), and xtremweb.serv.ds.CacheEntry.getDataUid().

### 5.33.4.3 OwnerComparator xtremweb.serv.ds.CacheEntry.comparator = new OwnerComparator() [private]

Definition at line 22 of file CacheEntry.java.

Referenced by xtremweb.serv.ds.CacheEntry.CacheEntry().

**5.33.4.4 SortedVector xtremweb.serv.ds.CacheEntry.owners [private]**

Definition at line 23 of file CacheEntry.java.

Referenced by xtremweb.serv.ds.CacheEntry.CacheEntry(), xtremweb.serv.ds.CacheEntry.getOwnersNumber(),  
xtremweb.serv.ds.CacheEntry.removeOwner(), xtremweb.serv.ds.CacheEntry.resetOwners(),  
xtremweb.serv.ds.CacheEntry.setOwner(), xtremweb.serv.ds.CacheEntry.updateOwner(), and  
xtremweb.serv.ds.CacheEntry.updateOwners().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/[CacheEntry.java](#)

## 5.34 xtremweb.serv.ds.CacheEntryComparator Class Reference

### Public Member Functions

- int [compare](#) (Object p1, Object p2)

#### 5.34.1 Detailed Description

Definition at line 14 of file CacheEntryComparator.java.

#### 5.34.2 Member Function Documentation

##### 5.34.2.1 int xtremweb.serv.ds.CacheEntryComparator.compare (Object *p1*, Object *p2*)

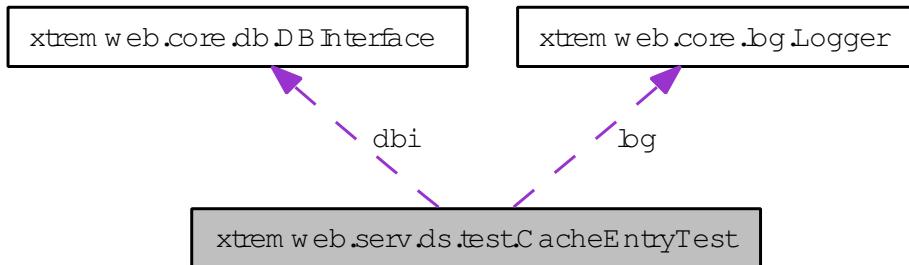
Definition at line 16 of file CacheEntryComparator.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/[CacheEntryComparator.java](#)

## 5.35 xtremweb.serv.ds.test.CacheEntryTest Class Reference

Collaboration diagram for xtremweb.serv.ds.test.CacheEntryTest:



### Public Member Functions

- `void testOwners ()`
- `void testLastAlive ()`

### Package Attributes

- `Logger log = LoggerFactory.getLogger("Cache Entry Test")`
- `DBInterface dbi = DBInterfaceFactory.getDBInterface()`

#### 5.35.1 Detailed Description

Describe class `CacheEntryTest` here.

Created: Mon Oct 22 12:12:12 2007

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 29 of file `CacheEntryTest.java`.

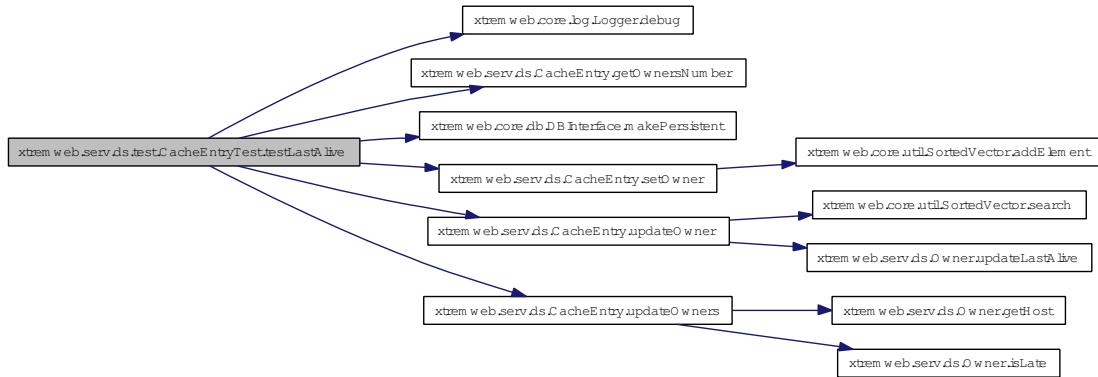
#### 5.35.2 Member Function Documentation

##### 5.35.2.1 void xtremweb.serv.ds.test.CacheEntryTest.testLastAlive ()

Definition at line 105 of file `CacheEntryTest.java`.

References `xtremweb.serv.ds.test.CacheEntryTest.dbi`, `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.ds.CacheEntry.getOwnersNumber()`, `xtremweb.serv.ds.test.CacheEntryTest.log`, `xtremweb.core.db.DBInterface.makePersistent()`, `xtremweb.serv.ds.CacheEntry.setOwner()`, `xtremweb.serv.ds.CacheEntry.updateOwner()`, and `xtremweb.serv.ds.CacheEntry.updateOwners()`.

Here is the call graph for this function:

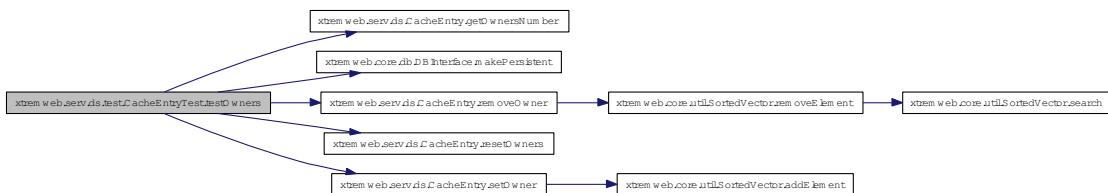


### 5.35.2.2 void xtremweb.serv.ds.test.CacheEntryTest.testOwners ()

Definition at line 34 of file CacheEntryTest.java.

References xtremweb.serv.ds.test.CacheEntryTest.dbi, xtremweb.serv.ds.CacheEntry.getOwnersNumber(), xtremweb.core.db.DBInterface.makePersistent(), xtremweb.serv.ds.CacheEntry.removeOwner(), xtremweb.serv.ds.CacheEntry.resetOwners(), and xtremweb.serv.ds.CacheEntry.setOwner().

Here is the call graph for this function:



## 5.35.3 Member Data Documentation

### 5.35.3.1 DBInterface xtremweb.serv.ds.test.CacheEntryTest.dbi = DBInterfaceFactory.getDBInterface() [package]

Definition at line 32 of file CacheEntryTest.java.

Referenced by xtremweb.serv.ds.test.CacheEntryTest.testLastAlive(), and xtremweb.serv.ds.test.CacheEntryTest.testOwners().

### 5.35.3.2 Logger xtremweb.serv.ds.test.CacheEntryTest.log = LoggerFactory.getLogger("Cache Entry Test") [package]

Definition at line 31 of file CacheEntryTest.java.

Referenced by xtremweb.serv.ds.test.CacheEntryTest.testLastAlive().

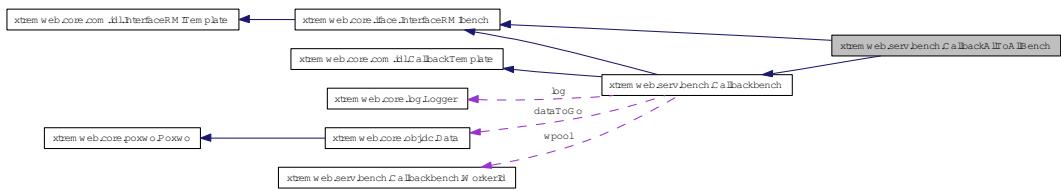
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/test/[CacheEntryTest.java](#)

## 5.36 xtremweb.serv.bench.CallbackAllToAllBench Class Reference

Inherits [xtremweb::serv::bench::Callbackbench](#), and [xtremweb::core::iface::InterfaceRMIbench](#).

Collaboration diagram for xtremweb.serv.bench.CallbackAllToAllBench:



### Public Member Functions

- [CallbackAllToAllBench \(\)](#)
- void [writeResults \(\)](#)
- void [configure \(int w, int r\)](#)

#### 5.36.1 Detailed Description

Definition at line 16 of file CallbackAllToAllBench.java.

#### 5.36.2 Constructor & Destructor Documentation

##### 5.36.2.1 xtremweb.serv.bench.CallbackAllToAllBench.CallbackAllToAllBench ()

Definition at line 18 of file CallbackAllToAllBench.java.

#### 5.36.3 Member Function Documentation

##### 5.36.3.1 void xtremweb.serv.bench.CallbackAllToAllBench.configure (int w, int r)

Definition at line 42 of file CallbackAllToAllBench.java.

References [xtremweb.serv.bench.Callbackbench.bench](#), [xtremweb.serv.bench.Callbackbench.log](#), [xtremweb.serv.bench.Callbackbench.rounds](#), [xtremweb.serv.bench.Callbackbench.size](#), [xtremweb.serv.bench.Callbackbench.workers](#), and [xtremweb.serv.bench.Callbackbench.wpool](#).

Referenced by [xtremweb.role.examples.AllToAll.AllToAll\(\)](#).

##### 5.36.3.2 void xtremweb.serv.bench.CallbackAllToAllBench.writeResults ()

Reimplemented from [xtremweb.serv.bench.Callbackbench](#).

Definition at line 22 of file CallbackAllToAllBench.java.

References [xtremweb.serv.bench.Callbackbench.bench](#), [xtremweb.serv.bench.Callbackbench.log](#), [xtremweb.serv.bench.Callbackbench.rounds](#), [xtremweb.serv.bench.Callbackbench.size](#), [xtremweb.serv.bench.Callbackbench.workers](#), and [xtremweb.serv.bench.Callbackbench.wpool](#).

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

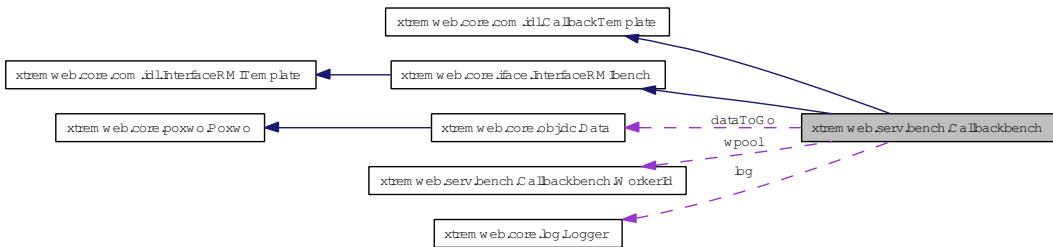
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/bench/[CallbackAllToAllBench.java](#)

## 5.37 xtremweb.serv.bench.Callbackbench Class Reference

Inherits [xtremweb::core::com::idl::CallbackTemplate](#), and [xtremweb::core::iface::InterfaceRMIBench](#).

Inherited by [xtremweb.serv.bench.CallbackAllToAllBench](#), [xtremweb.serv.bench.CallbackBroadCastBench](#), and [xtremweb.serv.bench.CallbackFaultTolerantBench](#).

Collaboration diagram for `xtremweb.serv.bench.Callbackbench`:



## Classes

- class [WorkerId](#)

## Public Member Functions

- [Callbackbench\(\)](#)
- void [configure\(int w, int s, int r, String b\)](#)
- long [register\(String name\)](#)
- synchronized [Data startExperienceBroadcast\(\)](#)
- synchronized long [startExperience\(\)](#)
- synchronized void [endExperience\(long wid, long time, String\[\] v\)](#)
- void [writeResults\(\)](#)
- String[] [getValues\(\)](#)
- [Data startBroadcastExperience\(\)](#)

## Protected Attributes

- [Logger log = LoggerFactory.getLogger\("BenchMaster Service"\)](#)
- int [workerIndex = 0](#)
- int [workers](#)
- int [rounds](#)
- int [size](#)
- String [bench](#)
- [WorkerId wpool \[\]](#)
- int [widx = 0](#)

## Package Attributes

- int [cs = 0](#)
- int [ce = 0](#)
- int [cr = 0](#)
- [Data dataToGo](#)

### 5.37.1 Detailed Description

[Callbackbench](#) is a service which is used when performing a benchmark It synchronizes workers at the begining of the experience and at the end of the experience

Created: Fri Oct 6 21:47:49 2006

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 38 of file Callbackbench.java.

### 5.37.2 Constructor & Destructor Documentation

#### 5.37.2.1 [xtremweb.serv.bench.Callbackbench.Callbackbench \(\)](#)

Creates a new [Callbackbench](#) instance.

Definition at line 58 of file Callbackbench.java.

### 5.37.3 Member Function Documentation

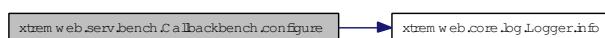
#### 5.37.3.1 [void xtremweb.serv.bench.Callbackbench.configure \(int w, int s, int r, String b\)](#)

Definition at line 61 of file Callbackbench.java.

References xtremweb.serv.bench.Callbackbench.bench, xtremweb.core.log.Logger.info(), xtremweb.serv.bench.Callbackbench.log, xtremweb.serv.bench.Callbackbench.rounds, xtremweb.serv.bench.Callbackbench.size, xtremweb.serv.bench.Callbackbench.workers, and xtremweb.serv.bench.Callbackbench.wpool.

Referenced by xtremweb.role.bench.BenchMaster.main().

Here is the call graph for this function:



#### 5.37.3.2 [synchronized void xtremweb.serv.bench.Callbackbench.endExperience \(long wid, long time, String\[\] v\) \[virtual\]](#)

Implements [xtremweb.core iface.InterfaceRMIBench](#).

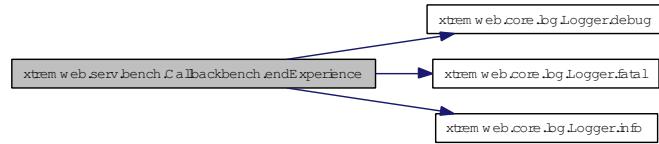
Reimplemented in [xtremweb.serv.bench.CallbackBroadCastBench](#).

Definition at line 109 of file Callbackbench.java.

References xtremweb.serv.bench.Callbackbench.ce, xtremweb.serv.bench.Callbackbench.cr, xtremweb.serv.bench.Callbackbench.cs, xtremweb.core.log.Logger.debug(),

`xtremweb.core.log.Logger.fatal()`, `xtremweb.core.log.Logger.info()`, `xtremweb.serv.bench.Callbackbench.log`, `xtremweb.serv.bench.Callbackbench.workers`, and `xtremweb.serv.bench.Callbackbench.wpool`.

Here is the call graph for this function:



### 5.37.3.3 String [] `xtremweb.serv.bench.Callbackbench.getValues ()` [virtual]

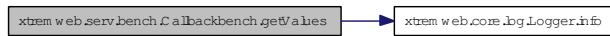
Implements [xtremweb.core iface.InterfaceRMIBench](#).

Reimplemented in [xtremweb.serv.bench.CallbackBroadCastBench](#).

Definition at line 150 of file `Callbackbench.java`.

References `xtremweb.core.log.Logger.info()`, `xtremweb.serv.bench.Callbackbench.WorkerId.values`, and `xtremweb.serv.bench.Callbackbench.wpool`.  
`xtremweb.serv.bench.Callbackbench.log`, `xtremweb.serv.bench.Callbackbench.workers`,

Here is the call graph for this function:



### 5.37.3.4 long `xtremweb.serv.bench.Callbackbench.register (String name)` [virtual]

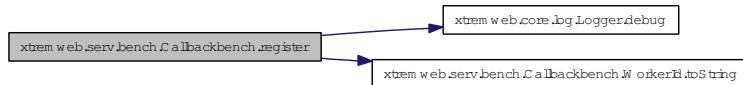
Implements [xtremweb.core iface.InterfaceRMIBench](#).

Reimplemented in [xtremweb.serv.bench.CallbackBroadCastBench](#).

Definition at line 70 of file `Callbackbench.java`.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.bench.Callbackbench.log`, `xtremweb.serv.bench.Callbackbench.rounds`, `xtremweb.serv.bench.Callbackbench.WorkerId.toString()`, `xtremweb.serv.bench.Callbackbench.widx`, and `xtremweb.serv.bench.Callbackbench.wpool`.

Here is the call graph for this function:



### 5.37.3.5 Data `xtremweb.serv.bench.Callbackbench.startBroadcastExperience ()`

Definition at line 165 of file `Callbackbench.java`.

**5.37.3.6 synchronized long xtremweb.serv.bench.Callbackbench.startExperience () [virtual]**

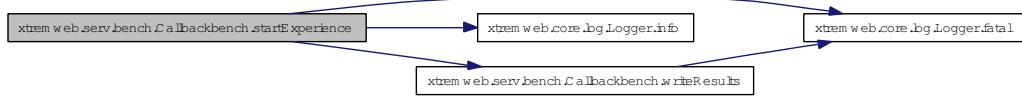
Implements [xtremweb.core iface.InterfaceRMIBench](#).

Definition at line 85 of file Callbackbench.java.

References xtremweb.serv.bench.Callbackbench.ce, xtremweb.serv.bench.Callbackbench.cs, xtremweb.core.log.Logger.info(), xtremweb.serv.bench.Callbackbench.rounds, xtremweb.serv.bench.Callbackbench.workers, and xtremweb.serv.bench.Callbackbench.writeResults().

xtremweb.core.log.Logger.fatal()

xtremweb.serv.bench.Callbackbench.cr, xtremweb.core.log.Logger.fatal(), xtremweb.serv.bench.Callbackbench.log, xtremweb.serv.bench.Callbackbench.size,

**5.37.3.7 synchronized Data xtremweb.serv.bench.Callbackbench.startExperienceBroadcast () [virtual]**

Implements [xtremweb.core iface.InterfaceRMIBench](#).

Reimplemented in [xtremweb.serv.bench.CallbackBroadCastBench](#).

Definition at line 81 of file Callbackbench.java.

References xtremweb.serv.bench.Callbackbench.dataToGo.

**5.37.3.8 void xtremweb.serv.bench.Callbackbench.writeResults ()**

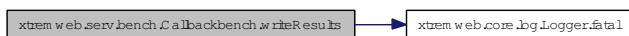
Reimplemented in [xtremweb.serv.bench.CallbackAllToAllBench](#), [xtremweb.serv.bench.CallbackBroadCastBench](#), and

Definition at line 131 of file Callbackbench.java.

References xtremweb.serv.bench.Callbackbench.bench, xtremweb.core.log.Logger.fatal(), xtremweb.serv.bench.Callbackbench.log, xtremweb.serv.bench.Callbackbench.rounds, xtremweb.serv.bench.Callbackbench.size, xtremweb.serv.bench.Callbackbench.workers, and xtremweb.serv.bench.Callbackbench.wpool.

Referenced by `xtremweb.serv.bench.Callbackbench.startExperience()`.

Here is the call graph for this function:

**5.37.4 Member Data Documentation****5.37.4.1 String xtremweb.serv.bench.Callbackbench.bench [protected]**

Definition at line 45 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackFaultTolerantBench.configure(), xtremweb.serv.bench.Callbackbench.configure(), xtremweb.serv.bench.CallbackAllToAllBench.configure(), xtremweb.serv.bench.CallbackBroadCastBench.writeResults(), xtremweb.serv.bench.Callbackbench.writeResults(), and xtremweb.serv.bench.CallbackAllToAllBench.writeResults().

#### **5.37.4.2 int xtremweb.serv.bench.Callbackbench.ce = 0 [package]**

Definition at line 48 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackBroadCastBench.endExperience(), xtremweb.serv.bench.Callbackbench.endExperience(), xtremweb.serv.bench.Callbackbench.startExperience(), and xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadcast().

#### **5.37.4.3 int xtremweb.serv.bench.Callbackbench.cr = 0 [package]**

Definition at line 49 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackBroadCastBench.endExperience(), xtremweb.serv.bench.Callbackbench.endExperience(), xtremweb.serv.bench.Callbackbench.startExperience(), and xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadcast().

#### **5.37.4.4 int xtremweb.serv.bench.Callbackbench.cs = 0 [package]**

Definition at line 47 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackBroadCastBench.endExperience(), xtremweb.serv.bench.Callbackbench.endExperience(), xtremweb.serv.bench.Callbackbench.startExperience(), and xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadcast().

#### **5.37.4.5 Data xtremweb.serv.bench.Callbackbench.dataToGo [package]**

Definition at line 50 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.Callbackbench.startExperienceBroadcast().

#### **5.37.4.6 Logger xtremweb.serv.bench.Callbackbench.log = LoggerFactory.getLogger("BenchMaster Service") [protected]**

Definition at line 40 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackFaultTolerantBench.configure(), xtremweb.serv.bench.Callbackbench.configure(), xtremweb.serv.bench.CallbackAllToAllBench.configure(), xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast(), xtremweb.serv.bench.CallbackBroadCastBench.endExperience(), xtremweb.serv.bench.Callbackbench.getValues(), xtremweb.serv.bench.Callbackbench.register(), xtremweb.serv.bench.Callbackbench.startExperience(), xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadcast(), xtremweb.serv.bench.CallbackBroadCastBench.writeResults(), xtremweb.serv.bench.Callbackbench.writeResults(), and xtremweb.serv.bench.CallbackAllToAllBench.writeResults().

**5.37.4.7 int xtremweb.serv.bench.Callbackbench.rounds [protected]**

Definition at line 43 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackFaultTolerantBench.configure(), xtremweb.serv.bench.Callbackbench.configure(), xtremweb.serv.bench.CallbackAllToAllBench.configure(), xtremweb.serv.bench.Callbackbench.register(), xtremweb.serv.bench.Callbackbench.startExperience(), xtremweb.serv.bench.Callbackbench.writeResults(), and xtremweb.serv.bench.CallbackAllToAllBench.writeResults().

**5.37.4.8 int xtremweb.serv.bench.Callbackbench.size [protected]**

Definition at line 44 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackFaultTolerantBench.configure(), xtremweb.serv.bench.Callbackbench.configure(), xtremweb.serv.bench.CallbackAllToAllBench.configure(), xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast(), xtremweb.serv.bench.Callbackbench.startExperience(), xtremweb.serv.bench.CallbackBroadCastBench.writeResults(), xtremweb.serv.bench.Callbackbench.writeResults(), and xtremweb.serv.bench.CallbackAllToAllBench.writeResults().

**5.37.4.9 int xtremweb.serv.bench.Callbackbench.widx = 0 [protected]**

Definition at line 53 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackBroadCastBench.register(), and xtremweb.serv.bench.Callbackbench.register().

**5.37.4.10 int xtremweb.serv.bench.Callbackbench.workerIndex = 0 [protected]**

Definition at line 41 of file Callbackbench.java.

**5.37.4.11 int xtremweb.serv.bench.Callbackbench.workers [protected]**

Definition at line 42 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackFaultTolerantBench.configure(), xtremweb.serv.bench.Callbackbench.configure(), xtremweb.serv.bench.CallbackAllToAllBench.configure(), xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast(), xtremweb.serv.bench.CallbackBroadCastBench.endExperience(), xtremweb.serv.bench.Callbackbench.endExperience(), xtremweb.serv.bench.CallbackBroadCastBench.getValues(), xtremweb.serv.bench.Callbackbench.getValues(), xtremweb.serv.bench.Callbackbench.startExperience(), xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadcast(), xtremweb.serv.bench.CallbackBroadCastBench.writeResults(), xtremweb.serv.bench.Callbackbench.writeResults(), and xtremweb.serv.bench.CallbackAllToAllBench.writeResults().

**5.37.4.12 WorkerId xtremweb.serv.bench.Callbackbench.wpool[] [protected]**

Definition at line 52 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackFaultTolerantBench.configure(), xtremweb.serv.bench.Callbackbench.configure(), xtremweb.serv.bench.CallbackAllToAllBench.configure(), xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast(), xtremweb.serv.bench.Callbackbench.endExperience(), xtremweb.serv.bench.CallbackBroadCastBench.getValues(), xtremweb.serv.bench.Callbackbench.getValues(), xtremweb.serv.bench.CallbackBroadCastBench.register(), xtremweb.serv.bench.Callbackbench.register(),

xtremweb.serv.bench.CallbackBroadCastBench.writeResults(), xtremweb.serv.bench.Callbackbench.writeResults(), and xtremweb.serv.bench.CallbackAllToAllBench.writeResults().

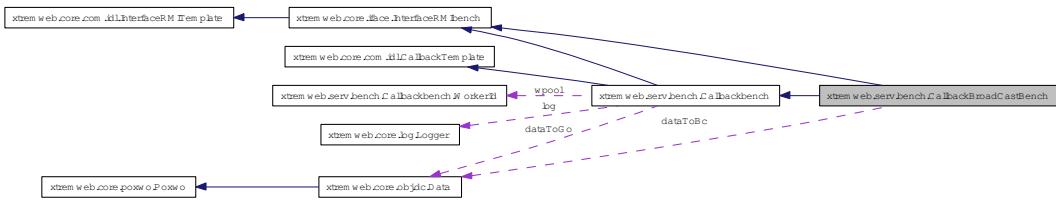
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/bench/[Callbackbench.java](#)

## 5.38 xtremweb.serv.bench.CallbackBroadCastBench Class Reference

Inherits [xtremweb::serv::bench::Callbackbench](#), and [xtremweb::core::iface::InterfaceRMIBench](#).

Collaboration diagram for xtremweb.serv.bench.CallbackBroadCastBench:



### Public Member Functions

- [CallbackBroadCastBench\(\)](#)
- void [configureBroadcast](#) (int w, int s, int l, String **output**, Data **datain**)
- long [register](#) (String name)
- synchronized [Data startExperienceBroadcast](#) ()
- synchronized void [endExperience](#) (long wid, long time, String[ ] v)
- void [writeResults](#) ()
- String[ ] [getValues](#) ()

### Package Attributes

- int loops
- int begin
- int end
- int inc
- String **output**
- Data **dataToBc**
- int **cd** = 0

#### 5.38.1 Detailed Description

[Callbackbench](#) is a service which is used when performing a benchmark. It synchronizes workers at the begining of the experience.

Created: Fri Oct 6 21:47:49 2006

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 39 of file [CallbackBroadCastBench.java](#).

## 5.38.2 Constructor & Destructor Documentation

### 5.38.2.1 `xtremweb.serv.bench.CallbackBroadCastBench.CallbackBroadCastBench ()`

Creates a new `Callbackbench` instance.

Definition at line 54 of file `CallbackBroadCastBench.java`.

## 5.38.3 Member Function Documentation

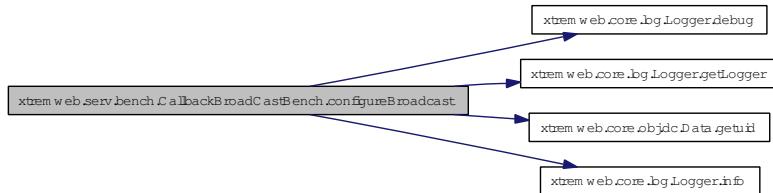
### 5.38.3.1 `void xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast (int w, int s, int l, String output, Data datain)`

Definition at line 59 of file `CallbackBroadCastBench.java`.

References `xtremweb.serv.bench.CallbackBroadCastBench.dataToBc`, `xtremweb.core.log.Logger.debug()`,  
`xtremweb.core.log.Logger.getLogger()`, `xtremweb.core.obj.jdc.Data.getuid()`,  
`xtremweb.core.log.Logger.info()`, `xtremweb.serv.bench.Callbackbench.log`,  
`xtremweb.serv.bench.CallbackBroadCastBench.loops`, `xtremweb.serv.bench.Callbackbench.size`,  
`xtremweb.serv.bench.Callbackbench.workers`, and `xtremweb.serv.bench.Callbackbench.wpool`.

Referenced by `xtremweb.role.blast.Master.main()`, and `xtremweb.role.bench.BenchBroadCastMaster.main()`.

Here is the call graph for this function:



### 5.38.3.2 `synchronized void xtremweb.serv.bench.CallbackBroadCastBench.endExperience (long wid, long time, String[] v) [virtual]`

Implements `xtremweb.core iface.InterfaceRMIBench`.

Definition at line 107 of file `CallbackBroadCastBench.java`.

References `xtremweb.serv.bench.Callbackbench.ce`, `xtremweb.serv.bench.Callbackbench.cr`,  
`xtremweb.serv.bench.Callbackbench.cs`, `xtremweb.core.log.Logger.fatal()`,  
`xtremweb.core.log.Logger.info()`, `xtremweb.serv.bench.Callbackbench.log`, and  
`xtremweb.serv.bench.Callbackbench.workers`.

Here is the call graph for this function:



### 5.38.3.3 String [ ] xtremweb.serv.bench.CallbackBroadCastBench.getValues () [virtual]

Implements [xtremweb.core iface.InterfaceRMIbench](#).

Definition at line 148 of file CallbackBroadCastBench.java.

References xtremweb.core.log.Logger.info(), xtremweb.serv.bench.Callbackbench.log, xtremweb.serv.bench.Callbackbench.WorkerId.values, xtremweb.serv.bench.Callbackbench.workers, and xtremweb.serv.bench.Callbackbench.wpool.

Here is the call graph for this function:



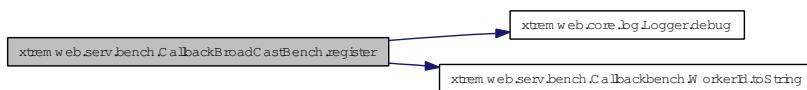
### 5.38.3.4 long xtremweb.serv.bench.CallbackBroadCastBench.register (String name) [virtual]

Implements [xtremweb.core iface.InterfaceRMIbench](#).

Definition at line 71 of file CallbackBroadCastBench.java.

References xtremweb.core.log.Logger.debug(), xtremweb.serv.bench.Callbackbench.log, xtremweb.serv.bench.CallbackBroadCastBench.loops, xtremweb.serv.bench.Callbackbench.WorkerId.toString(), xtremweb.serv.bench.Callbackbench.widx, and xtremweb.serv.bench.Callbackbench.wpool.

Here is the call graph for this function:



### 5.38.3.5 synchronized Data

#### xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadcast () [virtual]

Implements [xtremweb.core iface.InterfaceRMIbench](#).

Definition at line 83 of file CallbackBroadCastBench.java.

References xtremweb.serv.bench.Callbackbench.ce, xtremweb.serv.bench.Callbackbench.cr, xtremweb.serv.bench.Callbackbench.cs, xtremweb.serv.bench.CallbackBroadCastBench.dataToBc, xtremweb.core.log.Logger.fatal(), xtremweb.core.log.Logger.info(), xtremweb.serv.bench.Callbackbench.log, xtremweb.serv.bench.CallbackBroadCastBench.loops, and xtremweb.serv.bench.Callbackbench.workers.

Here is the call graph for this function:



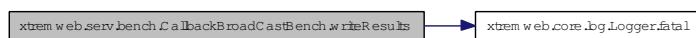
### 5.38.3.6 void xtremweb.serv.bench.CallbackBroadCastBench.writeResults ()

Reimplemented from [xtremweb.serv.bench.Callbackbench](#).

Definition at line 129 of file CallbackBroadCastBench.java.

References      [xtremweb.serv.bench.Callbackbench.bench](#),      [xtremweb.core.log.Logger.fatal\(\)](#),  
[xtremweb.serv.bench.Callbackbench.log](#),      [xtremweb.serv.bench.CallbackBroadCastBench.loops](#),  
[xtremweb.serv.bench.Callbackbench.size](#),      [xtremweb.serv.bench.Callbackbench.workers](#),      and  
[xtremweb.serv.bench.Callbackbench.wpool](#).

Here is the call graph for this function:



## 5.38.4 Member Data Documentation

### 5.38.4.1 int xtremweb.serv.bench.CallbackBroadCastBench.begin [package]

Definition at line 43 of file CallbackBroadCastBench.java.

### 5.38.4.2 int xtremweb.serv.bench.CallbackBroadCastBench.cd = 0 [package]

Definition at line 48 of file CallbackBroadCastBench.java.

### 5.38.4.3 Data xtremweb.serv.bench.CallbackBroadCastBench.dataToBc [package]

Definition at line 47 of file CallbackBroadCastBench.java.

Referenced      by      [xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast\(\)](#),      and  
[xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadcast\(\)](#).

### 5.38.4.4 int xtremweb.serv.bench.CallbackBroadCastBench.end [package]

Definition at line 44 of file CallbackBroadCastBench.java.

### 5.38.4.5 int xtremweb.serv.bench.CallbackBroadCastBench.inc [package]

Definition at line 45 of file CallbackBroadCastBench.java.

### 5.38.4.6 int xtremweb.serv.bench.CallbackBroadCastBench.loops [package]

Definition at line 41 of file CallbackBroadCastBench.java.

Referenced      by      [xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast\(\)](#),  
[xtremweb.serv.bench.CallbackBroadCastBench.register\(\)](#), [xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadcast\(\)](#)  
and [xtremweb.serv.bench.CallbackBroadCastBench.writeResults\(\)](#).

**5.38.4.7 String xtremweb.serv.bench.CallbackBroadCastBench.output [package]**

Definition at line 46 of file CallbackBroadCastBench.java.

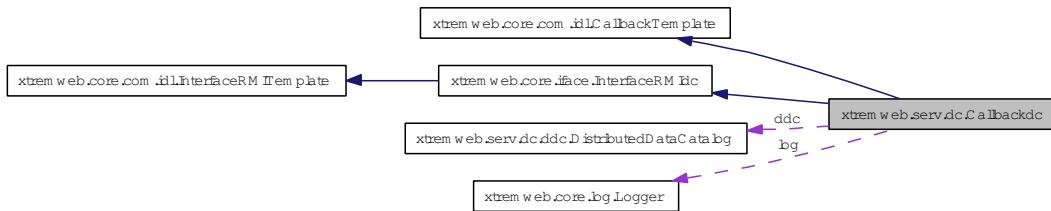
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/bench/[CallbackBroadCastBench.java](#)

## 5.39 xtremweb.serv.dc.Callbackdc Class Reference

Inherits [xtremweb::core::com::idl::CallbackTemplate](#), and [xtremweb::core::iface::InterfaceRMIdc](#).

Collaboration diagram for xtremweb.serv.dc.Callbackdc:



### Public Member Functions

- [Callbackdc \(\)](#)
- [Data createData \(String name, String checksum, long size, int type\) throws RemoteException](#)
- [Data createData \(\) throws RemoteException](#)
- [void putData \(Data data\) throws RemoteException](#)
- [String getDDCEEntryPoint \(\) throws RemoteException](#)
- [Data getData \(String uid\) throws RemoteException](#)
- [void deleteData \(Data data\) throws RemoteException](#)
- [void deleteData \(String uid\) throws RemoteException](#)
- [void browse \(\)](#)
- [void putLocator \(Locator locator\) throws RemoteException](#)
- [void setDataStatus \(String uid, int status\) throws RemoteException](#)
- [Locator getLocatorByDataUID \(String uid\) throws RemoteException](#)

### Static Public Member Functions

- static void [main \(String\[ \] args\)](#)

### Protected Attributes

- [Logger log = LoggerFactory.getLogger\("DC Service"\)](#)
- [DistributedDataCatalog ddc = null](#)

#### 5.39.1 Detailed Description

Definition at line 32 of file Callbackdc.java.

#### 5.39.2 Constructor & Destructor Documentation

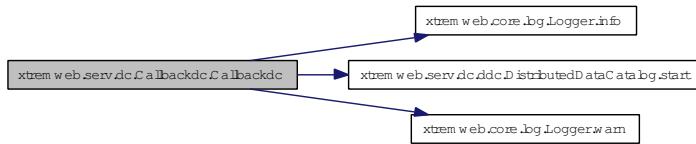
##### 5.39.2.1 xtremweb.serv.dc.Callbackdc.Callbackdc ()

Definition at line 37 of file Callbackdc.java.

References xtremweb.serv.dc.Callbackdc.ddc, xtremweb.core.log.Logger.info(), xtremweb.serv.dc.Callbackdc.log, xtremweb.serv.dc.ddc.DistributedDataCatalog.start(), and xtremweb.core.log.Logger.warn().

Referenced by xtremweb.serv.dc.Callbackdc.main().

Here is the call graph for this function:



### 5.39.3 Member Function Documentation

#### 5.39.3.1 void xtremweb.serv.dc.Callbackdc.browse()

Definition at line 150 of file Callbackdc.java.

Referenced by xtremweb.serv.dc.Callbackdc.main().

#### 5.39.3.2 Data xtremweb.serv.dc.Callbackdc.createData () throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 61 of file Callbackdc.java.

References xtremweb.serv.dc.Callbackdc.putData().

Here is the call graph for this function:



#### 5.39.3.3 Data xtremweb.serv.dc.Callbackdc.createData (String name, String checksum, long size, int type) throws RemoteException [virtual]

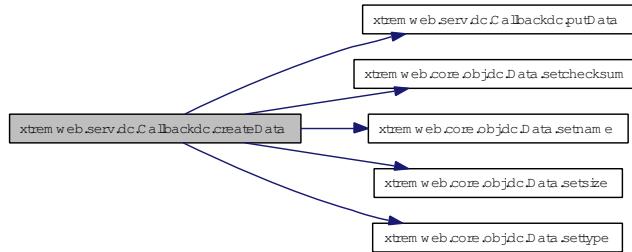
Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 48 of file Callbackdc.java.

References xtremweb.serv.dc.Callbackdc.putData(), xtremweb.core.obj.dc.Data.setchecksum(), xtremweb.core.obj.dc.Data.setname(), xtremweb.core.obj.dc.Data.setsize(), and xtremweb.core.obj.dc.Data.settype().

Referenced by xtremweb.serv.dc.Callbackdc.main(), and xtremweb.serv.dc.Bench.main().

Here is the call graph for this function:



#### 5.39.3.4 void xtremweb.serv.dc.Callbackdc.deleteData (String *uid*) throws RemoteException

Definition at line 146 of file Callbackdc.java.

#### 5.39.3.5 void xtremweb.serv.dc.Callbackdc.deleteData (Data *data*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 125 of file Callbackdc.java.

Referenced by `xtremweb.serv.dc.Callbackdc.main()`.

#### 5.39.3.6 Data xtremweb.serv.dc.Callbackdc.getData (String *uid*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 98 of file Callbackdc.java.

Referenced by `xtremweb.serv.dc.Callbackdc.main()`.

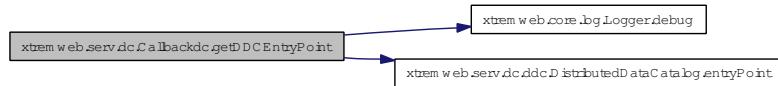
#### 5.39.3.7 String xtremweb.serv.dc.Callbackdc.getDDCEntryPoint () throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 86 of file Callbackdc.java.

References `xtremweb.serv.dc.Callbackdc.ddc`, `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dc.ddc.DistributedDataCatalog.entryPoint()`, and `xtremweb.serv.dc.Callbackdc.log`.

Here is the call graph for this function:



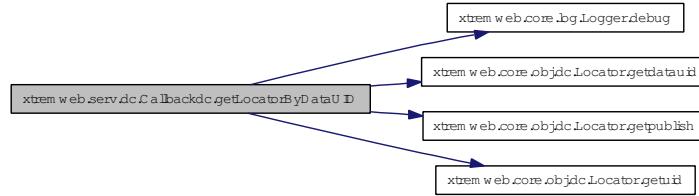
### 5.39.3.8 Locator `xtremweb.serv.dc.Callbackdc.getLocatorByDataUID (String uid) throws RemoteException [virtual]`

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 194 of file Callbackdc.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core.obj.dc.Locator.getdatauid()`, `xtremweb.core.obj.dc.Locator.getpublish()`, `xtremweb.core.obj.dc.Locator.getuid()`, and `xtremweb.serv.dc.Callbackdc.log`.

Here is the call graph for this function:

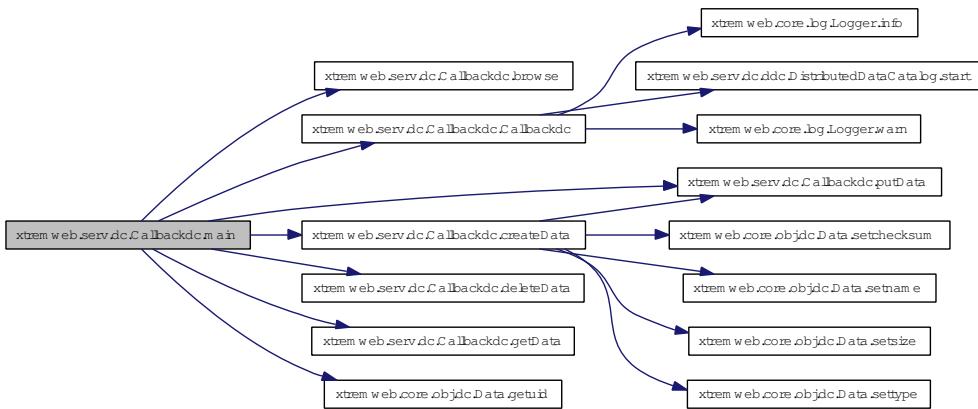


### 5.39.3.9 static void `xtremweb.serv.dc.Callbackdc.main (String[ ] args) [static]`

Definition at line 226 of file Callbackdc.java.

References `xtremweb.serv.dc.Callbackdc.browse()`, `xtremweb.serv.dc.Callbackdc.Callbackdc()`, `xtremweb.serv.dc.Callbackdc.createData()`, `xtremweb.serv.dc.Callbackdc.deleteData()`, `xtremweb.core.obj.dc.Data.getuid()`, and `xtremweb.serv.dc.Callbackdc.putData()`.

Here is the call graph for this function:



### 5.39.3.10 void `xtremweb.serv.dc.Callbackdc.putData (Data data) throws RemoteException [virtual]`

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 70 of file Callbackdc.java.

Referenced by `xtremweb.serv.dc.Callbackdc.createData()`, `xtremweb.serv.dr.Callbackdr.main()`, and `xtremweb.serv.dc.Callbackdc.main()`.

#### **5.39.3.11 void xtremweb.serv.dc.Callbackdc.putLocator (*Locator locator*) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 170 of file `Callbackdc.java`.

References `xtremweb.core.log.Logger.debug()`, and `xtremweb.serv.dc.Callbackdc.log`.

Here is the call graph for this function:



#### **5.39.3.12 void xtremweb.serv.dc.Callbackdc.setDataStatus (String uid, int status) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 189 of file `Callbackdc.java`.

### **5.39.4 Member Data Documentation**

#### **5.39.4.1 DistributedDataCatalog xtremweb.serv.dc.Callbackdc.ddc = null [protected]**

Definition at line 35 of file `Callbackdc.java`.

Referenced by `xtremweb.serv.dc.Callbackdc.Callbackdc()`, and `xtremweb.serv.dc.Callbackdc.getDDCEntryPoint()`.

#### **5.39.4.2 Logger xtremweb.serv.dc.Callbackdc.log = LoggerFactory.getLogger("DC Service") [protected]**

Definition at line 34 of file `Callbackdc.java`.

Referenced by `xtremweb.serv.dc.Callbackdc.Callbackdc()`, `xtremweb.serv.dc.Callbackdc.getDDCEntryPoint()`, `xtremweb.serv.dc.Callbackdc.getLocatorByDataUID()`, and `xtremweb.serv.dc.Callbackdc.putLocator()`.

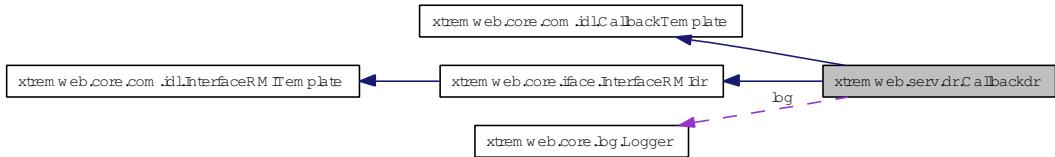
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dc/[Callbackdc.java](#)

## 5.40 xtremweb.serv.dr.Callbackdr Class Reference

Inherits [xtremweb::core::com::idl::CallbackTemplate](#), and [xtremweb::core::iface::InterfaceRMIdr](#).

Collaboration diagram for xtremweb.serv.dr.Callbackdr:



### Public Member Functions

- [Callbackdr \(\)](#)
- void [sendData](#) (long datauid, long protocol) throws RemoteException
- String [getRef](#) (String datauid) throws RemoteException
- void [registerProtocol](#) (Protocol proto)
- Protocol [getProtocolByName](#) (String name) throws RemoteException
- Protocol [getProtocolByUID](#) (String uid) throws RemoteException
- void [deleteProtocol](#) (Protocol proto) throws RemoteException
- void [deleteProtocol](#) (long uid) throws RemoteException
- String [browse](#) ()

### Static Public Member Functions

- static void [main](#) (String[ ] args)

### Static Protected Attributes

- static [Logger log](#) = LoggerFactory.getLogger(Callbackdr.class)

### Private Member Functions

- String [protoToString](#) (Protocol remote\_protocol)

#### 5.40.1 Detailed Description

Definition at line 36 of file Callbackdr.java.

#### 5.40.2 Constructor & Destructor Documentation

##### 5.40.2.1 xtremweb.serv.dr.Callbackdr.Callbackdr ()

Definition at line 40 of file Callbackdr.java.

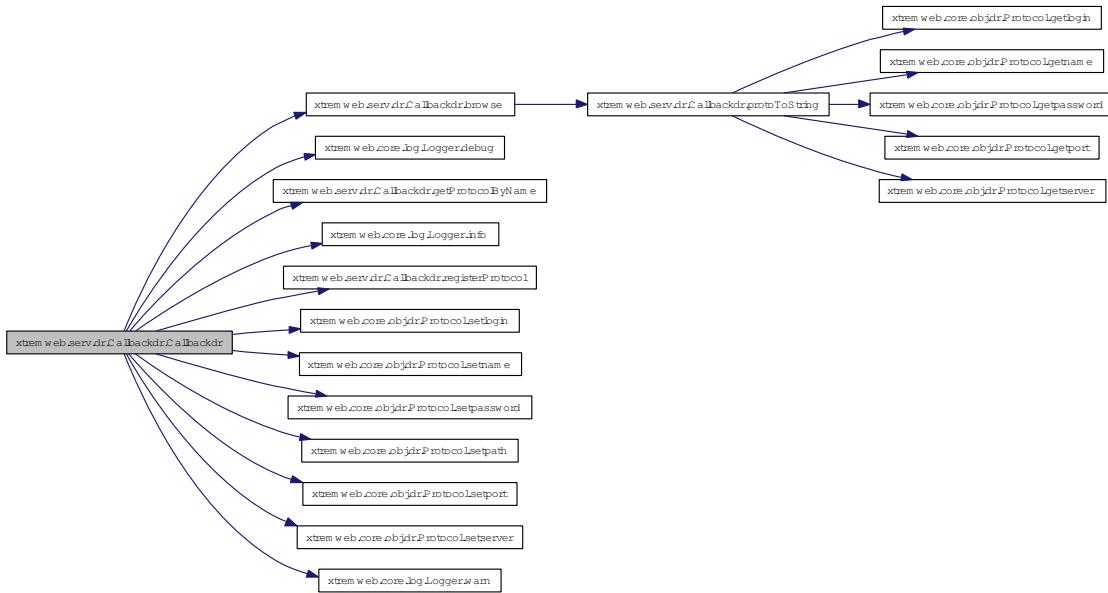
References [xtremweb.serv.dr.Callbackdr.browse\(\)](#),  
[xtremweb.serv.dr.Callbackdr.getProtocolByName\(\)](#),

[xtremweb.core.log.Logger.debug\(\)](#),  
[xtremweb.core.log.Logger.info\(\)](#),

`xtremweb.serv.dr.Callbackdr.log(),  
 xtremweb.core.obj.dr.Protocol.setlogin(),  
 xtremweb.core.obj.dr.Protocol.setpassword(),  
 xtremweb.core.obj.dr.Protocol.setport(),  
 xtremweb.core.log.Logger.warn()`.

Referenced by `xtremweb.serv.dr.Callbackdr.main()`.

Here is the call graph for this function:



### 5.40.3 Member Function Documentation

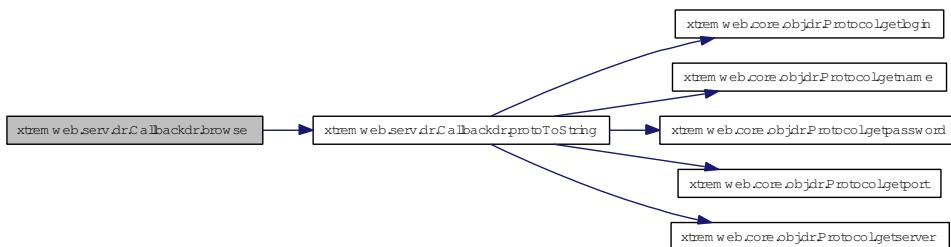
#### 5.40.3.1 String `xtremweb.serv.dr.Callbackdr.browse()`

Definition at line 219 of file `Callbackdr.java`.

References `xtremweb.serv.dr.Callbackdr.protoToString()`.

Referenced by `xtremweb.serv.dr.Callbackdr.Callbackdr()`.

Here is the call graph for this function:



**5.40.3.2 void xtremweb.serv.dr.Callbackdr.deleteProtocol (long uid) throws RemoteException**

Definition at line 211 of file Callbackdr.java.

**5.40.3.3 void xtremweb.serv.dr.Callbackdr.deleteProtocol (Protocol proto) throws RemoteException**

Definition at line 190 of file Callbackdr.java.

**5.40.3.4 Protocol xtremweb.serv.dr.Callbackdr.getProtocolByName (String name) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdr](#).

Definition at line 139 of file Callbackdr.java.

Referenced by `xtremweb.serv.dr.Callbackdr.Callbackdr()`, and `xtremweb.serv.dr.Callbackdr.main()`.

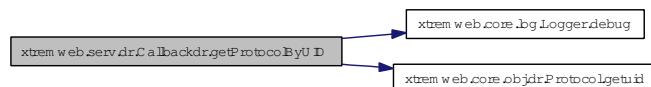
**5.40.3.5 Protocol xtremweb.serv.dr.Callbackdr.getProtocolByUID (String uid) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdr](#).

Definition at line 164 of file Callbackdr.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core.obj.dr.Protocol.getuid()`, and `xtremweb.serv.dr.Callbackdr.log`.

Here is the call graph for this function:

**5.40.3.6 String xtremweb.serv.dr.Callbackdr.getRef (String datauid) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdr](#).

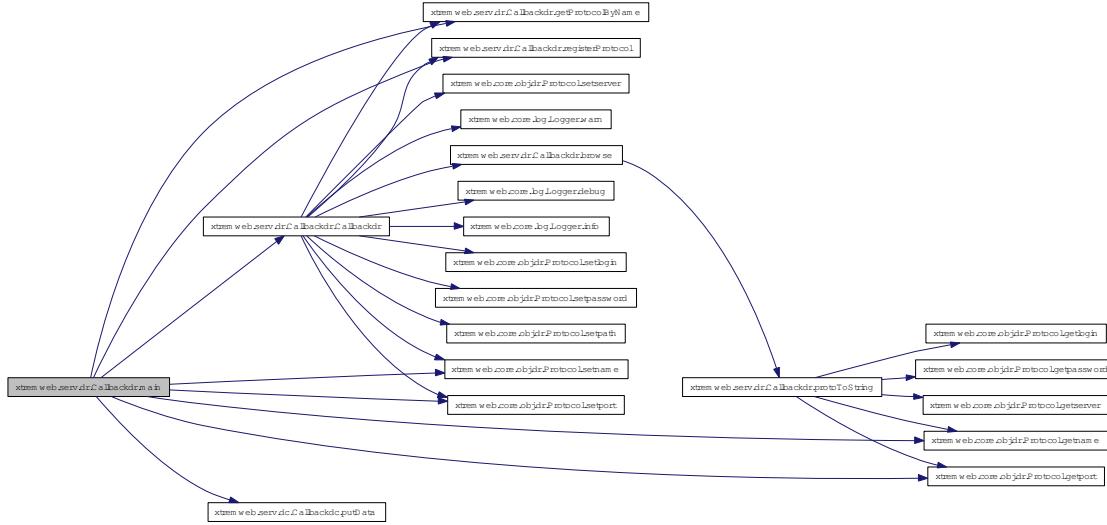
Definition at line 118 of file Callbackdr.java.

**5.40.3.7 static void xtremweb.serv.dr.Callbackdr.main (String[] args) [static]**

Definition at line 243 of file Callbackdr.java.

References `xtremweb.serv.dr.Callbackdr.Callbackdr()`, `xtremweb.core.obj.dr.Protocol.getname()`, `xtremweb.core.obj.dr.Protocol.getport()`, `xtremweb.serv.dr.Callbackdr.getProtocolByName()`, `xtremweb.serv.dc.Callbackdc.putData()`, `xtremweb.serv.dr.Callbackdr.registerProtocol()`, `xtremweb.core.obj.dr.Protocol.setname()`, and `xtremweb.core.obj.dr.Protocol.setport()`.

Here is the call graph for this function:



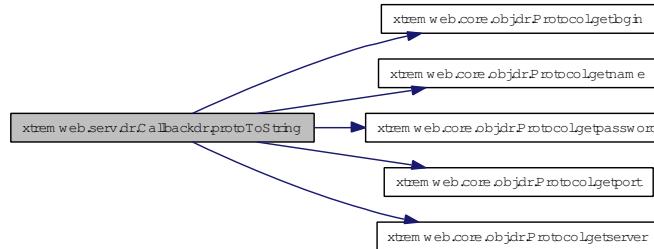
#### 5.40.3.8 String xtremweb.serv.dr.Callbackdr.protoToString (Protocol *remote\_protocol*) [private]

Definition at line 215 of file Callbackdr.java.

References `xtremweb.core.obj.dr.Protocol.getLogin()`, `xtremweb.core.obj.dr.Protocol.getName()`, `xtremweb.core.obj.dr.Protocol.getPassword()`, `xtremweb.core.obj.dr.Protocol.getPort()`, and `xtremweb.core.obj.dr.Protocol.getServer()`.

Referenced by `xtremweb.serv.dr.Callbackdr.browse()`.

Here is the call graph for this function:



#### 5.40.3.9 void xtremweb.serv.dr.Callbackdr.registerProtocol (Protocol *proto*) [virtual]

Implements `xtremweb.core iface.InterfaceRMI dr`.

Definition at line 122 of file Callbackdr.java.

Referenced by `xtremweb.serv.dr.Callbackdr.Callbackdr()`, and `xtremweb.serv.dr.Callbackdr.main()`.

**5.40.3.10 void xtremweb.serv.dr.Callbackdr.sendData (long *datauid*, long *protocol*) throws RemoteException**

Definition at line 114 of file Callbackdr.java.

#### 5.40.4 Member Data Documentation

**5.40.4.1 Logger xtremweb.serv.dr.Callbackdr.log = LoggerFactory.getLogger(Callbackdr.class)**  
[static, protected]

Definition at line 38 of file Callbackdr.java.

Referenced by xtremweb.serv.dr.Callbackdr.Callbackdr(), and xtremweb.serv.dr.Callbackdr.getProtocolByUID().

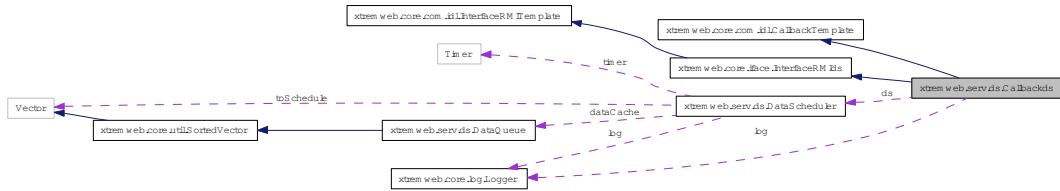
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitmew/trunk-1/src/xtremweb/serv/dr/[Callbackdr.java](#)

## 5.41 xtremweb.serv.ds.Callbackds Class Reference

Inherits [xtremweb::core::com::idl::CallbackTemplate](#), and [xtremweb::core::iface::InterfaceRMIds](#).

Collaboration diagram for xtremweb.serv.ds.Callbackds:



### Public Member Functions

- [Callbackds \(\)](#)
- [Attribute registerAttribute \(\[Attribute\]\(#\) attr\) throws RemoteException](#)
- [Attribute getAttributeByUid \(String uid\)](#)
- [void associateDataAttribute \(\[Data\]\(#\) data, \[Attribute\]\(#\) attr\) throws RemoteException](#)
- [void associateDataHost \(\[Data\]\(#\) data, \[Host\]\(#\) host\) throws RemoteException](#)
- [void associateDataAttributeHost \(\[Data\]\(#\) data, \[Attribute\]\(#\) attr, \[Host\]\(#\) host\) throws RemoteException](#)
- [void removeData \(\[Data\]\(#\) data\) throws RemoteException](#)
- [void associateAttribute \(String datauid, String attruid\) throws RemoteException](#)
- [Vector sync \(\[Host\]\(#\) host, Vector dataList\)](#)

### Protected Attributes

- [Logger log = LoggerFactory.getLogger\("DS Service"\)](#)
- [DataScheduler ds](#)

#### 5.41.1 Detailed Description

Describe class `Callbackds` here.

Created: Wed Aug 16 16:33:12 2006

#### Author:

[Gilles Fedak](#)

#### Version:

1.0

Definition at line 27 of file `Callbackds.java`.

## 5.41.2 Constructor & Destructor Documentation

### 5.41.2.1 xtremweb.serv.ds.Callbackds.Callbackds ()

Creates a new [Callbackds](#) instance.

Definition at line 36 of file Callbackds.java.

References xtremweb.serv.ds.Callbackds.ds.

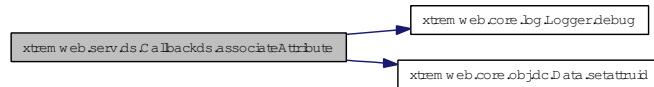
## 5.41.3 Member Function Documentation

### 5.41.3.1 void xtremweb.serv.ds.Callbackds.associateAttribute (String *datauid*, String *attruid*) throws RemoteException

Definition at line 106 of file Callbackds.java.

References xtremweb.core.log.Logger.debug(), xtremweb.serv.ds.Callbackds.log, and xtremweb.core.obj.dc.Data.setattruid().

Here is the call graph for this function:



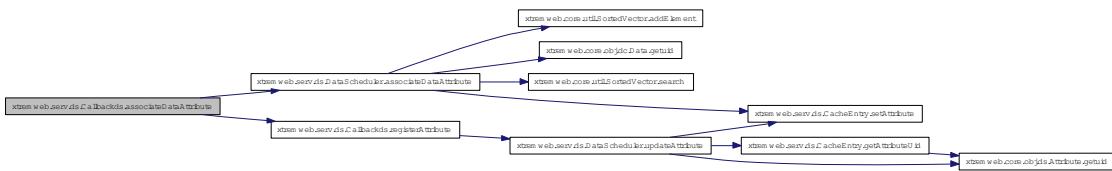
### 5.41.3.2 void xtremweb.serv.ds.Callbackds.associateDataAttribute (Data *data*, Attribute *attr*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIDs](#).

Definition at line 85 of file Callbackds.java.

References xtremweb.serv.ds.DataScheduler.associateDataAttribute(), xtremweb.serv.ds.Callbackds.ds, and xtremweb.serv.ds.Callbackds.registerAttribute().

Here is the call graph for this function:



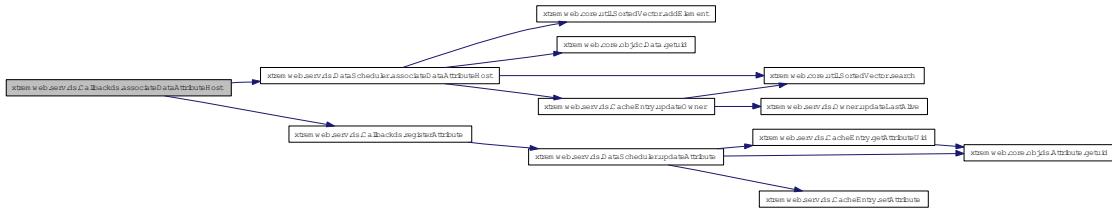
### 5.41.3.3 void xtremweb.serv.ds.Callbackds.associateDataAttributeHost (Data *data*, Attribute *attr*, Host *host*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIDs](#).

Definition at line 95 of file Callbackds.java.

References xtremweb.serv.ds.DataScheduler.associateDataAttributeHost(), xtremweb.serv.ds.Callbackds.ds, and xtremweb.serv.ds.Callbackds.registerAttribute().

Here is the call graph for this function:



**5.41.3.4 void xtremweb.serv.ds.Callbackds.associateDataHost (Data data, Host host) throws RemoteException [virtual]**

Implements `xtremweb.core iface.InterfaceRMIDs`.

Definition at line 91 of file `Callbackds.java`.

References `xtremweb.serv.ds.DataScheduler.associateDataHost()`, and `xtremweb.serv.ds.Callbackds.ds.`

Here is the call graph for this function:



**5.41.3.5 Attribute `xtremweb.serv.ds.Callbackds.getAttributeByUid` (String `uid`)** [virtual]

Implements [xtremweb.core iface.InterfaceRMIDs](#).

Definition at line 60 of file `Callbackds.java`.

**5.41.3.6 Attribute `xtremweb.serv.ds.Callbackds.registerAttribute(Attribute attr)` throws `RemoteException` [virtual]**

Implements [xtremweb.core iface.InterfaceRMIDs](#).

Definition at line 42 of file `Callbackds.java`.

References `xtremweb.serv.ds.Callbackds.ds`, and `xtremweb.serv.ds.DataScheduler.updateAttribute()`.

Referenced by xtremweb.serv.ds.Callbackds.associateDataAttribute(), and  
xtremweb.serv.ds.Callbackds.associateDataAttributeHost().

Here is the call graph for this function:



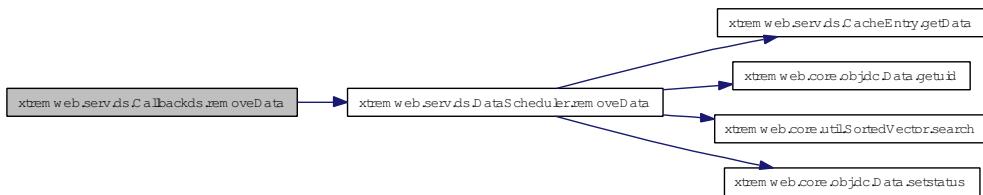
#### 5.41.3.7 void xtremweb.serv.ds.Callbackds.removeData (Data *data*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIIds](#).

Definition at line 101 of file Callbackds.java.

References [xtremweb.serv.ds.Callbackds.ds](#), and [xtremweb.serv.ds.DataScheduler.removeData\(\)](#).

Here is the call graph for this function:



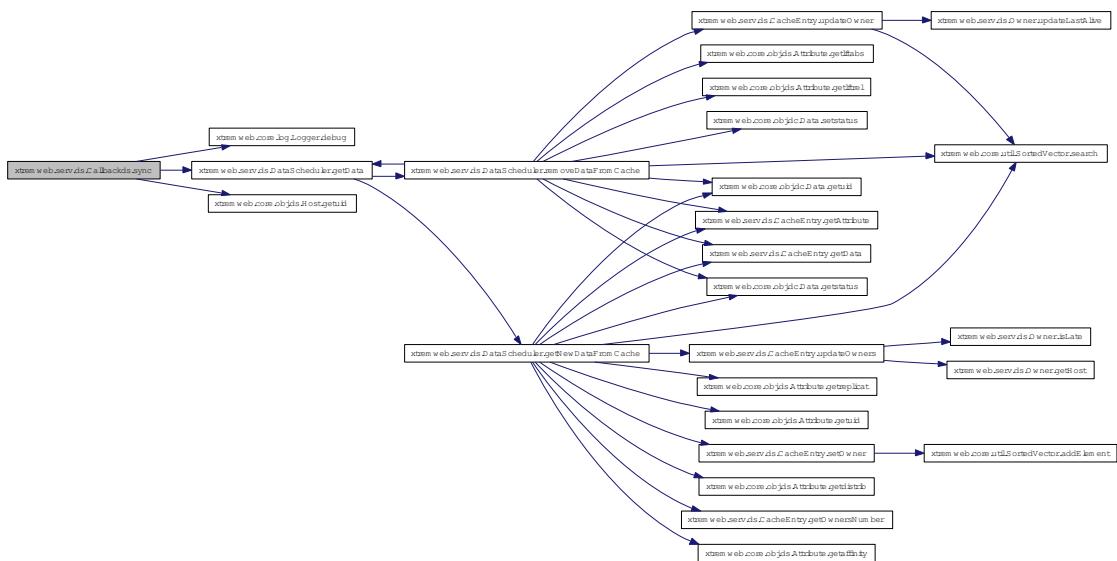
#### 5.41.3.8 Vector xtremweb.serv.ds.Callbackds.sync (Host *host*, Vector *dataList*) [virtual]

Implements [xtremweb.core iface.InterfaceRMIIds](#).

Definition at line 130 of file Callbackds.java.

References [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.serv.ds.Callbackds.ds](#), [xtremweb.serv.ds.DataScheduler.getData\(\)](#), [xtremweb.core.obj.ds.Host.getuid\(\)](#), and [xtremweb.serv.ds.Callbackds.log](#).

Here is the call graph for this function:



## 5.41.4 Member Data Documentation

### 5.41.4.1 DataScheduler xtremweb.serv.ds.Callbackds.ds [protected]

Definition at line 31 of file Callbackds.java.

Referenced by xtremweb.serv.ds.Callbackds.associateDataAttribute(), xtremweb.serv.ds.Callbackds.associateDataAttributeHost(), xtremweb.serv.ds.Callbackds.associateDataHost(), xtremweb.serv.ds.Callbackds.Callbackds(), xtremweb.serv.ds.Callbackds.registerAttribute(), xtremweb.serv.ds.Callbackds.removeData(), and xtremweb.serv.ds.Callbackds.sync().

### 5.41.4.2 Logger xtremweb.serv.ds.Callbackds.log = LoggerFactory.getLogger("DS Service") [protected]

Definition at line 29 of file Callbackds.java.

Referenced by xtremweb.serv.ds.Callbackds.associateAttribute(), and xtremweb.serv.ds.Callbackds.sync().

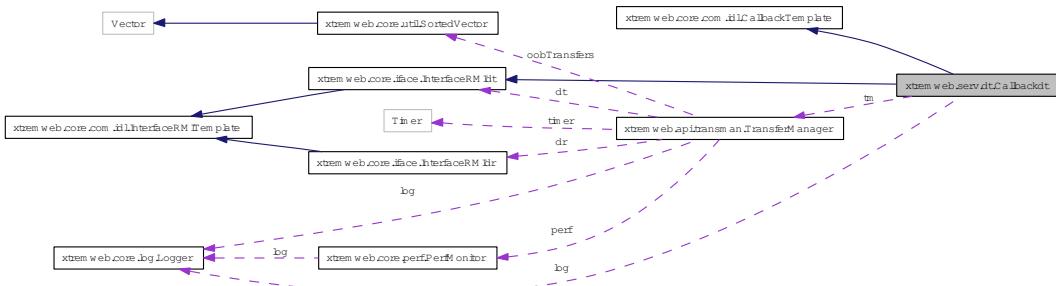
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/[Callbackds.java](#)

## 5.42 xtremweb.serv.dt.Callbackdt Class Reference

Inherits [xtremweb::core::com::idl::CallbackTemplate](#), and [xtremweb::core::iface::InterfaceRMIdt](#).

Collaboration diagram for xtremweb.serv.dt.Callbackdt:



### Public Member Functions

- [Callbackdt \(\)](#)
- int [registerTransfer \(Transfer t, Data data, Protocol rp, Locator rl\)](#) throws RemoteException
- int [startTransfer \(String transferID\)](#) throws RemoteException
- boolean [poolTransfer \(String transferID\)](#) throws RemoteException
- int [endTransfer \(String transferID\)](#) throws RemoteException
- int [abortTransfer \(String transferID\)](#) throws RemoteException
- void [putTransfer \(Transfer trans\)](#) throws RemoteException
- void [setTransferStatus \(String tuid, int status\)](#) throws RemoteException

### Protected Attributes

- `Logger log = LoggerFactory.getLogger("DT Service")`
- `TransferManager tm`

#### 5.42.1 Detailed Description

Describe class [Callbackdt](#) here.

Created: Wed Aug 16 16:33:12 2006

#### Author:

[Gilles Fedak](#)

#### Version:

1.0

Definition at line 42 of file `Callbackdt.java`.

## 5.42.2 Constructor & Destructor Documentation

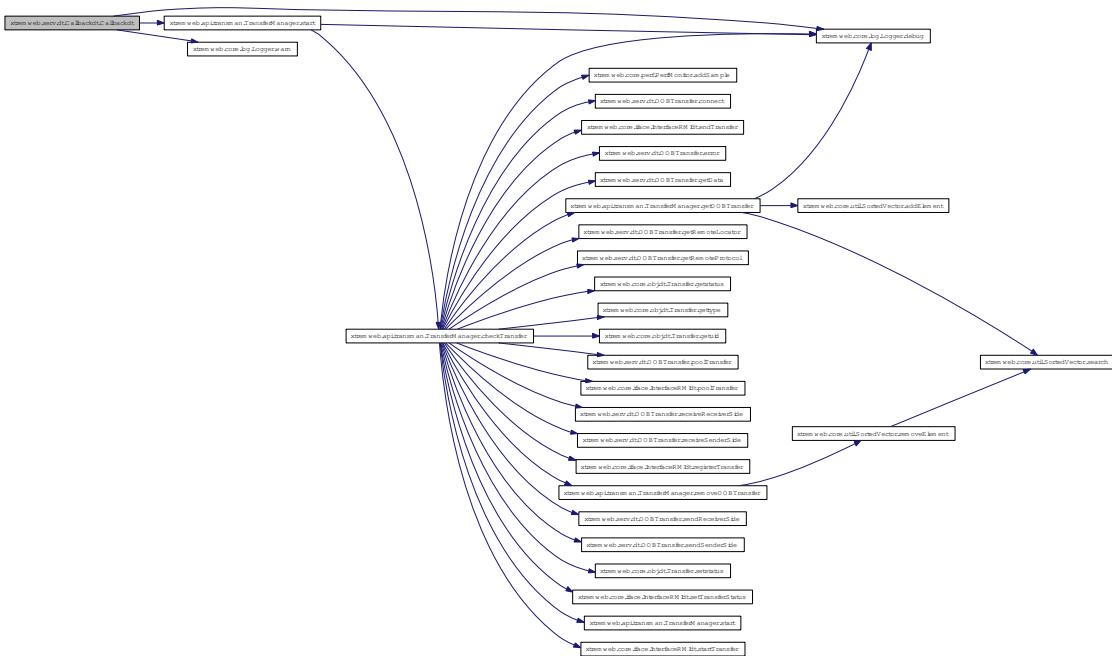
#### **5.42.2.1 xtremweb.serv.dt.Callbackdt.Callbackdt()**

Creates a new [Callbackdt](#) instance.

Definition at line 53 of file `Callbackdt.java`.

References xtremweb.core.log.Logger.debug(), xtremweb.serv.dt.Callbackdt.log, xtremweb.api.transman.TransferManager.start(), xtremweb.serv.dt.Callbackdt.tm, and xtremweb.core.log.Logger.warn().

Here is the call graph for this function:



### 5.42.3 Member Function Documentation

**5.42.3.1 int xtremweb.serv.dt.Callbackdt.abortTransfer (String transferID) throws RemoteException [virtual]**

Implements `xtremweb.core iface.InterfaceRMIdt`.

Definition at line 171 of file `Callbackdt.java`.

References `xtremweb.core.log.Logger.debug()`, and `xtremweb.serv.dt.Callbackdt.log`.

Here is the call graph for this function:



#### 5.42.3.2 int xtremweb.serv.dt.Callbackdt.endTransfer (String *transferID*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdt](#).

Definition at line 166 of file Callbackdt.java.

References [xtremweb.core.log.Logger.debug\(\)](#), and [xtremweb.serv.dt.Callbackdt.log](#).

Here is the call graph for this function:



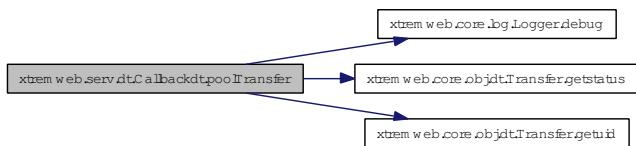
#### 5.42.3.3 boolean xtremweb.serv.dt.Callbackdt.poolTransfer (String *transferID*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdt](#).

Definition at line 138 of file Callbackdt.java.

References [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.core.obj.dt.Transfer.getStatus\(\)](#), [xtremweb.core.obj.dt.Transfer.getuid\(\)](#), and [xtremweb.serv.dt.Callbackdt.log](#).

Here is the call graph for this function:



#### 5.42.3.4 void xtremweb.serv.dt.Callbackdt.putTransfer (Transfer *trans*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdt](#).

Definition at line 176 of file Callbackdt.java.

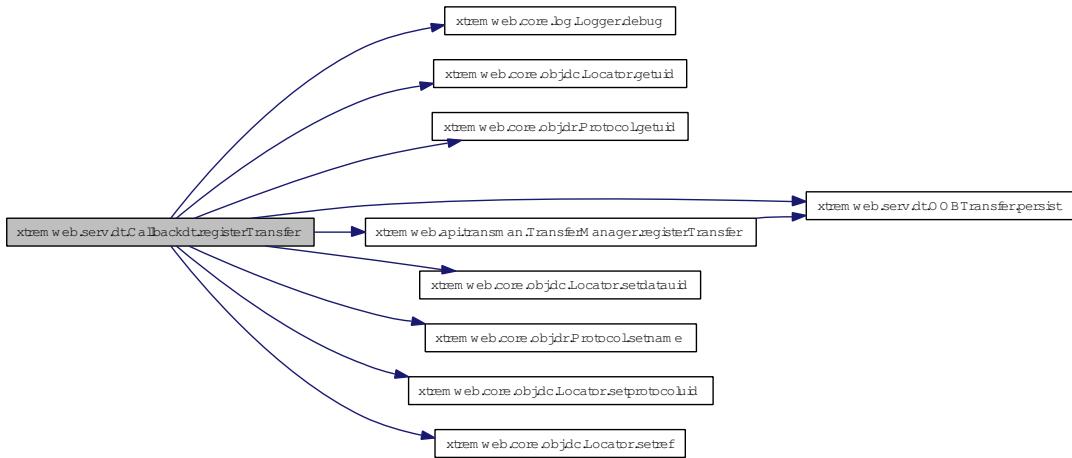
#### 5.42.3.5 int xtremweb.serv.dt.Callbackdt.registerTransfer (Transfer *t*, Data *data*, Protocol *rp*, Locator *rl*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdt](#).

Definition at line 96 of file Callbackdt.java.

References [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.core.obj.dc.Locator.getuid\(\)](#), [xtremweb.core.obj.dr.Protocol.getuid\(\)](#), [xtremweb.serv.dt.Callbackdt.log](#), [xtremweb.serv.dt.OOBTransfer.persist\(\)](#), [xtremweb.api.transman.TransferManager.registerTransfer\(\)](#), [xtremweb.core.obj.dc.Locator.setdatauid\(\)](#), [xtremweb.core.obj.dr.Protocol.setname\(\)](#), [xtremweb.core.obj.dc.Locator.setprotocoluid\(\)](#), [xtremweb.core.obj.dc.Locator.setref\(\)](#), and [xtremweb.serv.dt.Callbackdt.tm](#).

Here is the call graph for this function:



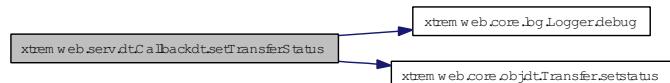
#### **5.42.3.6 void xtremweb.serv.dt.Callbackdt.setTransferStatus (String *tuid*, int *status*) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdt](#).

Definition at line 180 of file Callbackdt.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.Callbackdt.log`, and `xtremweb.core.obj.dt.Transfer.setStatus()`.

Here is the call graph for this function:



#### **5.42.3.7 int xtremweb.serv.dt.Callbackdt.startTransfer (String *transferID*) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdt](#).

Definition at line 133 of file Callbackdt.java.

References `xtremweb.core.log.Logger.debug()`, and `xtremweb.serv.dt.Callbackdt.log`.

Here is the call graph for this function:



#### 5.42.4 Member Data Documentation

**5.42.4.1 Logger `xtremweb.serv.dt.Callbackdt.log = LoggerFactory.getLogger("DT Service")`** [protected]

Definition at line 44 of file Callbackdt.java.

Referenced by `xtremweb.serv.dt.Callbackdt.abortTransfer()`, `xtremweb.serv.dt.Callbackdt.Callbackdt()`,  
`xtremweb.serv.dt.Callbackdt.endTransfer()`, `xtremweb.serv.dt.Callbackdt.poolTransfer()`,  
`xtremweb.serv.dt.Callbackdt.registerTransfer()`, `xtremweb.serv.dt.Callbackdt.setTransferStatus()`, and  
`xtremweb.serv.dt.Callbackdt.startTransfer()`.

**5.42.4.2 TransferManager `xtremweb.serv.dt.Callbackdt.tm` [protected]**

Definition at line 47 of file Callbackdt.java.

Referenced by `xtremweb.serv.dt.Callbackdt.Callbackdt()`, and `xtremweb.serv.dt.Callbackdt.registerTransfer()`.

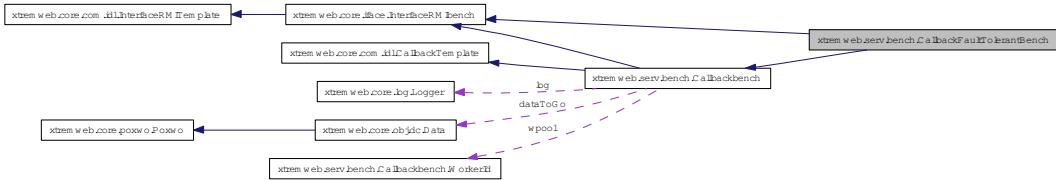
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/[Callbackdt.java](#)

## 5.43 xtremweb.serv.bench.CallbackFaultTolerantBench Class Reference

Inherits [xtremweb::serv::bench::Callbackbench](#), and [xtremweb::core::iface::InterfaceRMIbench](#).

Collaboration diagram for `xtremweb.serv.bench.CallbackFaultTolerantBench`:



### Public Member Functions

- [CallbackFaultTolerantBench \(\)](#)
- void [configure \(int w, int r\)](#)

#### 5.43.1 Detailed Description

Definition at line 16 of file `CallbackFaultTolerantBench.java`.

#### 5.43.2 Constructor & Destructor Documentation

##### 5.43.2.1 xtremweb.serv.bench.CallbackFaultTolerantBench.CallbackFaultTolerantBench ()

Creates a new `CallbackFaultTolerantBench` instance.

Definition at line 23 of file `CallbackFaultTolerantBench.java`.

#### 5.43.3 Member Function Documentation

##### 5.43.3.1 void xtremweb.serv.bench.CallbackFaultTolerantBench.configure (int w, int r)

Definition at line 27 of file `CallbackFaultTolerantBench.java`.

References `xtremweb.serv.bench.Callbackbench.bench`, `xtremweb.serv.bench.Callbackbench.log`, `xtremweb.serv.bench.Callbackbench.rounds`, `xtremweb.serv.bench.Callbackbench.size`, `xtremweb.serv.bench.Callbackbench.workers`, and `xtremweb.serv.bench.Callbackbench.wpool`.

Referenced by `xtremweb.role.examples.Broadcast.Broadcast()`, `xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench()`, and `xtremweb.role.examples.PublishSearch.PublishSearch()`.

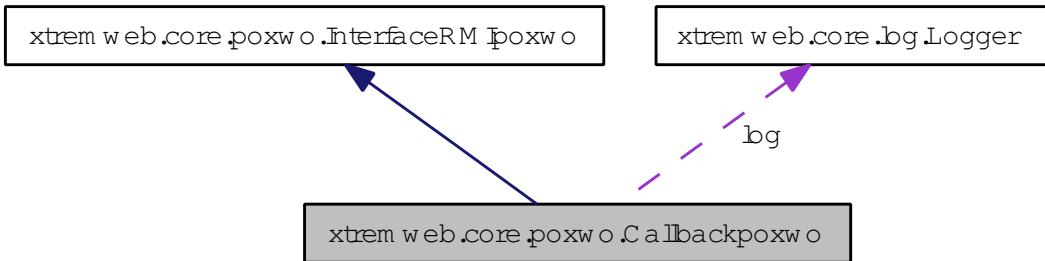
The documentation for this class was generated from the following file:

- `/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/bench/CallbackFaultTolerantBench.java`

## 5.44 xtremweb.core.poxwo.Callbackpoxwo Class Reference

Inherits [xtremweb::core::poxwo::InterfaceRMIPoxwo](#).

Collaboration diagram for xtremweb.core.poxwo.Callbackpoxwo:



### Public Member Functions

- [Callbackpoxwo \(\)](#)
- void [remotePersist \(Poxwo obj\)](#)

### Static Public Attributes

- static [Logger log](#) = LoggerFactory.getLogger("Callbackpoxwo")

#### 5.44.1 Detailed Description

Definition at line 15 of file [Callbackpoxwo.java](#).

#### 5.44.2 Constructor & Destructor Documentation

##### 5.44.2.1 xtremweb.core.poxwo.Callbackpoxwo.Callbackpoxwo ()

Creates a new [Callbackpoxwo](#) instance.

Definition at line 22 of file [Callbackpoxwo.java](#).

References [xtremweb.core.log.Logger.debug\(\)](#), and [xtremweb.core.poxwo.Callbackpoxwo.log](#).

Here is the call graph for this function:



#### 5.44.3 Member Function Documentation

##### 5.44.3.1 void xtremweb.core.poxwo.Callbackpoxwo.remotePersist (Poxwo obj)

Implements [xtremweb.core.poxwo.InterfaceRMIPoxwo](#).

Definition at line 26 of file [Callbackpoxwo.java](#).

#### 5.44.4 Member Data Documentation

##### 5.44.4.1 Logger `xtremweb.core.poxwo.Callbackpoxwo.log = LoggerFactory.getLogger("Callbackpoxwo") [static]`

Definition at line 16 of file `Callbackpoxwo.java`.

Referenced by `xtremweb.core.poxwo.Callbackpoxwo.Callbackpoxwo()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/poxwo/[Callbackpoxwo.java](#)

## 5.45 xtremweb.core.com.idl.CallbackTemplate Class Reference

Inherited by [xtremweb.serv.bench.Callbackbench](#), [xtremweb.serv.dc.Callbackdc](#), [xtremweb.serv.dr.Callbackdr](#), [xtremweb.serv.ds.Callbackds](#), and [xtremweb.serv.dt.Callbackdt](#).

### Public Member Functions

- [CallbackTemplate \(\)](#)

#### 5.45.1 Detailed Description

Definition at line 15 of file CallbackTemplate.java.

#### 5.45.2 Constructor & Destructor Documentation

##### 5.45.2.1 xtremweb.core.com.idl.CallbackTemplate.CallbackTemplate ()

Definition at line 17 of file CallbackTemplate.java.

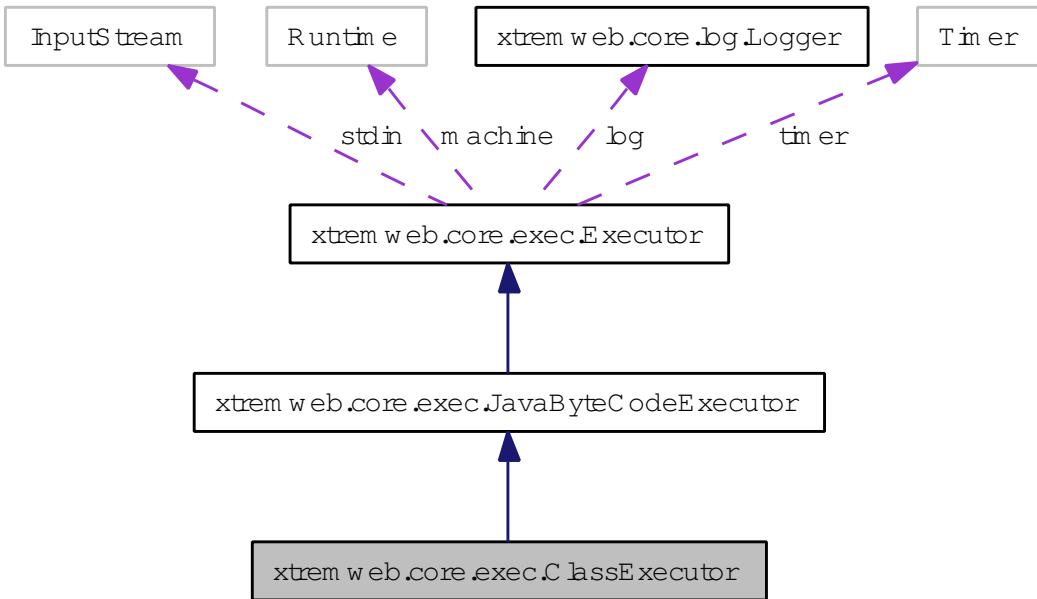
The documentation for this class was generated from the following file:

- [/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/idl/CallbackTemplate.java](#)

## 5.46 xtremweb.core.exec.ClassExecutor Class Reference

Inherits [xtremweb::core::exec::JavaByteCodeExecutor](#).

Collaboration diagram for `xtremweb.core.exec.ClassExecutor`:



### Public Member Functions

- `ClassExecutor (String execDir, String[] classPath, String propertiesOption, String jarName, String argv[ ]) throws ExecutorLaunchException`
- `ClassExecutor (String execDir, String classPath, String propertiesOption, String jarName, String argv) throws ExecutorLaunchException`

### Static Public Member Functions

- static void `main (String[] args)`

#### 5.46.1 Detailed Description

`ClassExecutor` allows to launch the execution of a Java Class in a separate VM

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 11 of file `ClassExecutor.java`.

## 5.46.2 Constructor & Destructor Documentation

### 5.46.2.1 `xtremweb.core.exec.ClassExecutor.ClassExecutor (String execDir, String[] classPath, String propertiesOption, String jarName, String argv[]) throws ExecutorLaunchException`

Creates a new `ClassExecutor` instance.

#### Parameters:

`execDir` a `String` value  
`classPath` a `String[]` value  
`propertiesOption` a `String` value  
`jarName` a `String` value  
`argv[]` a `String` value

#### Exceptions:

`ExecutorLaunchException` if an error occurs

Definition at line 23 of file ClassExecutor.java.

References `xtremweb.core.exec.JavaByteCodeExecutor.classPath`, and  
`xtremweb.core.exec.JavaByteCodeExecutor.propertiesOption`.

### 5.46.2.2 `xtremweb.core.exec.ClassExecutor.ClassExecutor (String execDir, String classPath, String propertiesOption, String jarName, String argv) throws ExecutorLaunchException`

Creates a new `ClassExecutor` instance.

#### Parameters:

`execDir` a `String` value  
`classPath` a `String` value  
`propertiesOption` a `String` value  
`jarName` a `String` value  
`argv` a `String` value

#### Exceptions:

`ExecutorLaunchException` if an error occurs

Definition at line 46 of file ClassExecutor.java.

References `xtremweb.core.exec.JavaByteCodeExecutor.classPath`, and  
`xtremweb.core.exec.JavaByteCodeExecutor.propertiesOption`.

## 5.46.3 Member Function Documentation

### 5.46.3.1 `static void xtremweb.core.exec.ClassExecutor.main (String[] args) [static]`

This is the standard main () method This is only for test purposes

**Parameters:**

*args* a String[] value

Reimplemented from [xtremweb.core.exec.Executor](#).

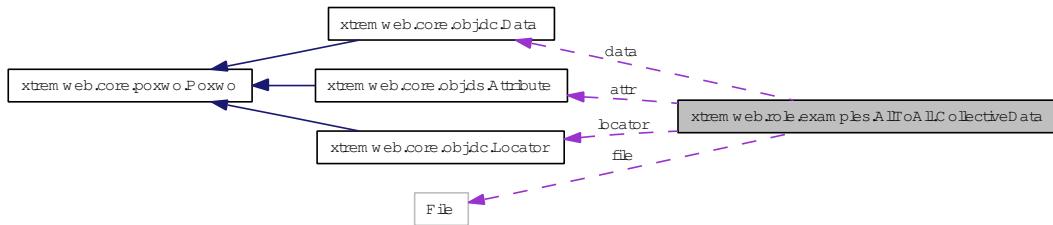
Definition at line 54 of file ClassExecutor.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/exec/[ClassExecutor.java](#)

## 5.47 xtremweb.role.examples.AllToAll.CollectiveData Class Reference

Collaboration diagram for xtremweb.role.examples.AllToAll.CollectiveData:



### Public Member Functions

- [CollectiveData](#) (int idx) throws Exception

### Package Attributes

- [Data data](#)
- [Locator locator](#)
- [Attribute attr](#)
- [File file](#)

#### 5.47.1 Detailed Description

Definition at line 162 of file AllToAll.java.

#### 5.47.2 Constructor & Destructor Documentation

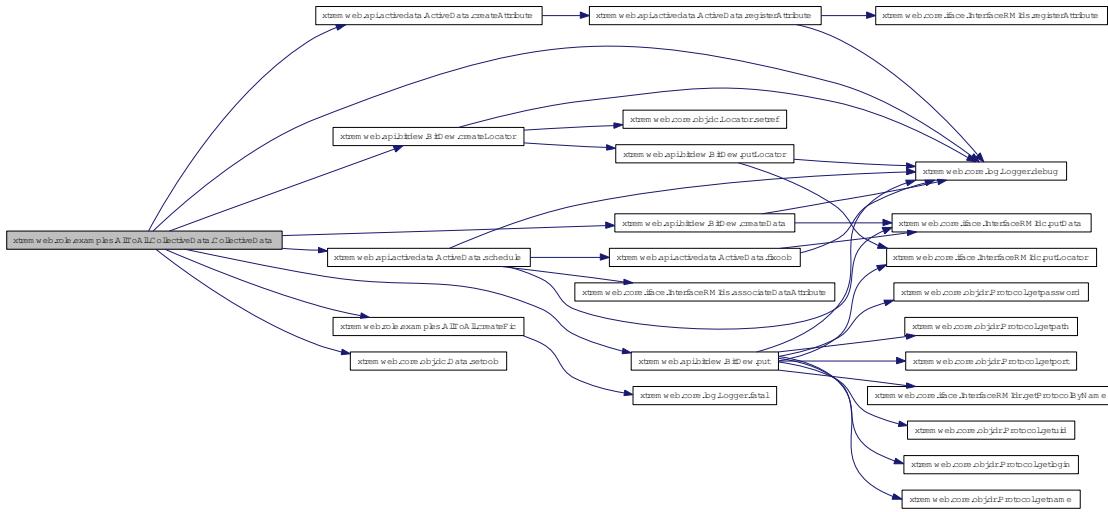
##### 5.47.2.1 xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData (int *idx*) throws Exception

Definition at line 168 of file AllToAll.java.

References xtremweb.role.examples.AllToAll.\_dir, xtremweb.role.examples.AllToAll.CollectiveData.attr, xtremweb.api.activedata.ActiveData.createAttribute(), xtremweb.role.examples.AllToAll.createFic(), xtremweb.role.examples.AllToAll.CollectiveData.data, xtremweb.role.examples.AllToAll.CollectiveData.file, xtremweb.role.examples.AllToAll.log, xtremweb.api.bitdew.BitDew.put(), xtremweb.api.activedata.ActiveData.schedule(), xtremweb.role.examples.AllToAll.size.

xtremweb.role.examples.AllToAll.activeData, xtremweb.role.examples.AllToAll.bitdew, xtremweb.api.bitdew.BitDew.createData(), xtremweb.api.bitdew.BitDew.createLocator(), xtremweb.core.log.Logger.debug(), xtremweb.role.examples.AllToAll.CollectiveData.locator, xtremweb.role.examples.AllToAll.oob, xtremweb.role.examples.AllToAll.replicat, xtremweb.core.obj.dc.Data.setoob(), and

Here is the call graph for this function:



### **5.47.3 Member Data Documentation**

### 5.47.3.1 Attribute xtremweb.role.examples.AllToAll.CollectiveData.attr [package]

Definition at line 165 of file AllToAll.java.

Referenced by `xtremweb.role.examples.AllToAll.AllToAll()`, and `xtremweb.role.examples.AllToAll.CollectiveData.CollectiveE`

### **5.47.3.2 Data `xtremweb.role.examples.AllToAll.CollectiveData.data` [package]**

Definition at line 163 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData().

#### **5.47.3.3 File xtremweb.role.examples.AllToAll.CollectiveData.file [package]**

Definition at line 166 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData().

#### **5.47.3.4 Locator xtremweb.role.examples.AllToAll.CollectiveData.locator [package]**

Definition at line 164 of file AllToAll.java.

Referenced by xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[AllToAll.java](#)

## 5.48 xtremweb.core.com.idl.ComContexte Class Reference

### Public Member Functions

- [ComContexte \(\)](#)

### Static Public Attributes

- static final int [DEFAULT\\_RMI\\_PORT](#) = 4322
- static final int [DEFAULT\\_TCP\\_PORT](#) = 4321
- static final String [DEFAULT\\_ATTACH\\_HOST](#) = "localhost"
- static final String [ATTACH\\_HOST\\_PROPERTY](#) = "xtremweb.com.attachHost"

### Protected Attributes

- String [attachHost](#)

#### 5.48.1 Detailed Description

[ComContexte.java](#)

Created: Tue Apr 4 08:52:54 2006

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 12 of file ComContexte.java.

#### 5.48.2 Constructor & Destructor Documentation

##### 5.48.2.1 xtremweb.core.com.idl.ComContexte.ComContexte ()

Definition at line 25 of file ComContexte.java.

References [xtremweb.core.com.idl.ComContexte.ATTACH\\_HOST\\_PROPERTY](#), [xtremweb.core.com.idl.ComContexte.attachHost](#), and [xtremweb.core.com.idl.ComContexte.DEFAULT\\_ATTACH\\_HOST](#).

#### 5.48.3 Member Data Documentation

##### 5.48.3.1 final String xtremweb.core.com.idl.ComContexte.ATTACH\_HOST\_PROPERTY = "xtremweb.com.attachHost" [static]

Definition at line 21 of file ComContexte.java.

Referenced by [xtremweb.core.com.idl.ComContexte.ComContexte\(\)](#).

**5.48.3.2 String xtremweb.core.com.idl.ComContexte.attachHost [protected]**

Definition at line 23 of file ComContexte.java.

Referenced by xtremweb.core.com.idl.ComContexte.ComContexte().

**5.48.3.3 final String xtremweb.core.com.idl.ComContexte.DEFAULT\_ATTACH\_HOST = "localhost" [static]**

Definition at line 19 of file ComContexte.java.

Referenced by xtremweb.core.com.idl.ComContexte.ComContexte().

**5.48.3.4 final int xtremweb.core.com.idl.ComContexte.DEFAULT\_RMI\_PORT = 4322 [static]**

Definition at line 15 of file ComContexte.java.

**5.48.3.5 final int xtremweb.core.com.idl.ComContexte.DEFAULT\_TCP\_PORT = 4321 [static]**

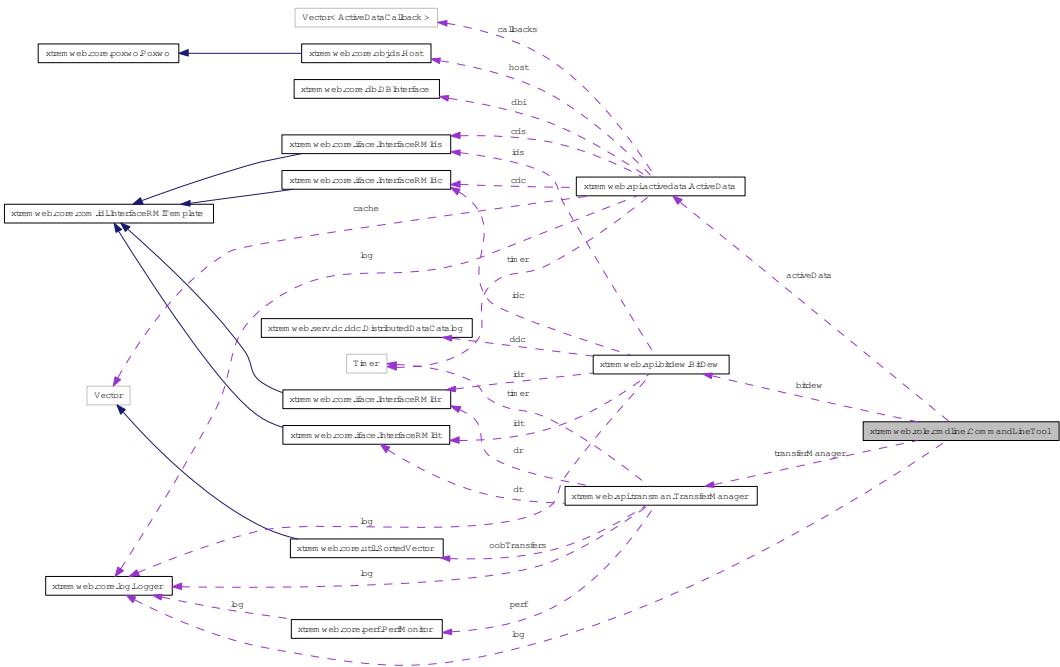
Definition at line 16 of file ComContexte.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/idl/[ComContexte.java](#)

## 5.49 xtremweb.role.cmdline.CommandLineTool Class Reference

## Collaboration diagram for xtremweb.role.cmdline.CommandLineTool:



## Public Member Functions

- `CommandLineTool` (`String[] args`)
  - `void usage` (`HelpFormat format`)

## Static Public Member Functions

- static void **main** (String[ ] args)

## Private Types

- enum **HelpFormat** { **SHORT**, **LONG** }

## Private Member Functions

- `String[ ] parse (String[ ] args)`

## Private Attributes

- BitDew bitdew
  - ActiveData activeData
  - TransferManager transferManager = null

- String `host`
- String `attruid`
- String `fileName`
- String `dirName`
- int `port`
- boolean `verbose`
- boolean `server` = false

## Static Private Attributes

- static `Logger log` = `LoggerFactory.getLogger("CommandLineTool")`

### 5.49.1 Detailed Description

Definition at line 46 of file `CommandLineTool.java`.

### 5.49.2 Member Enumeration Documentation

#### 5.49.2.1 enum `xtremweb::role::cmdline::CommandLineTool::HelpFormat` [private]

Enumerator:

*SHORT*

*LONG*

Definition at line 51 of file `CommandLineTool.java`.

### 5.49.3 Constructor & Destructor Documentation

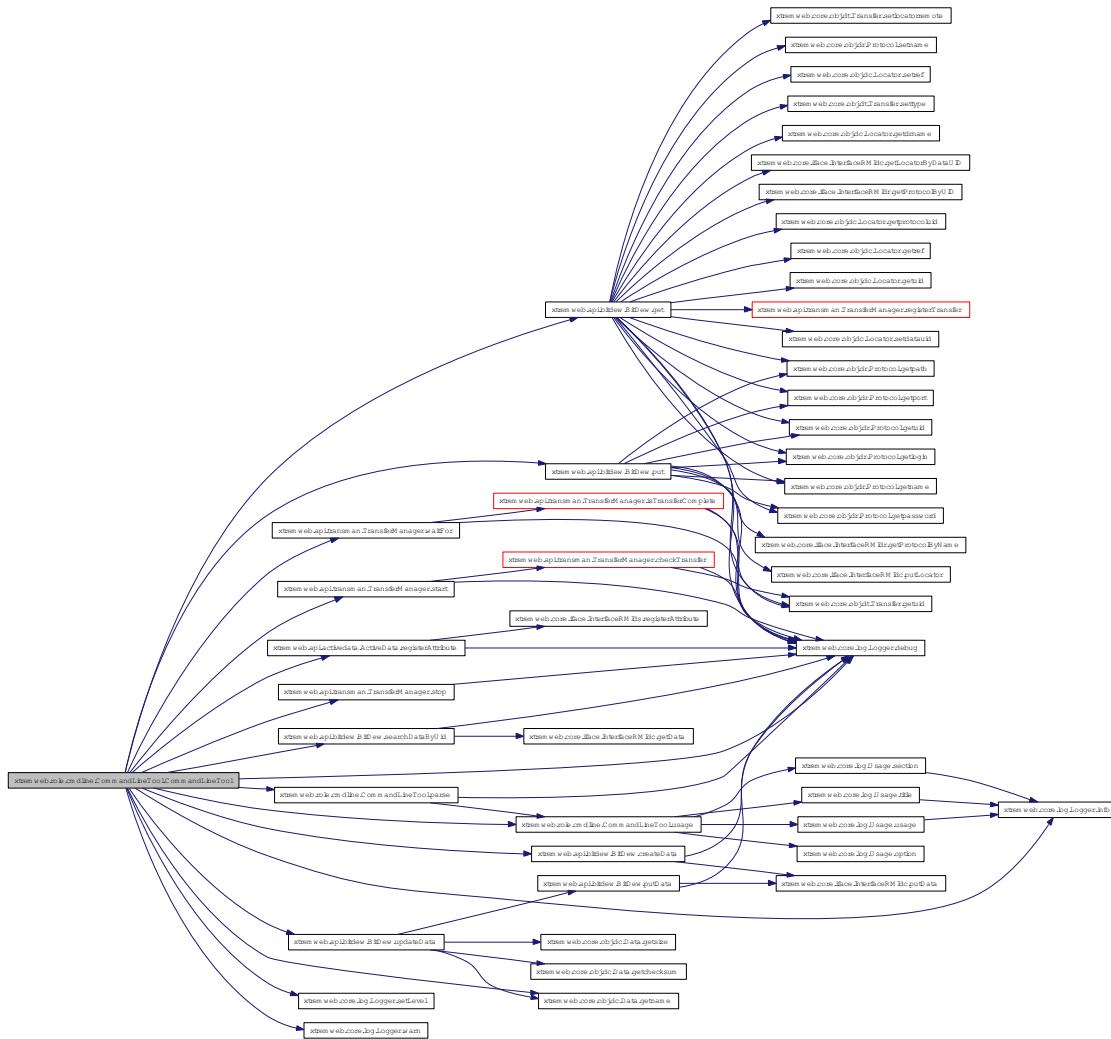
#### 5.49.3.1 `xtremweb.role.cmdline.CommandLineTool.CommandLineTool(String[ ] args)`

Definition at line 62 of file `CommandLineTool.java`.

References `xtremweb.role.cmdline.CommandLineTool.activeData`, `xtremweb.role.cmdline.CommandLineTool.bitdew`, `xtremweb.api.bitdew.BitDew.createData()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.role.cmdline.CommandLineTool.fileName`, `xtremweb.api.bitdew.BitDew.get()`, `xtremweb.core.obj.dc.Data.getname()`, `xtremweb.role.cmdline.CommandLineTool.host`, `xtremweb.core.log.Logger.info()`, `xtremweb.role.cmdline.CommandLineTool.log`, `xtremweb.role.cmdline.CommandLineTool.parse()`, `xtremweb.role.cmdline.CommandLineTool.port`, `xtremweb.api.bitdew.BitDew.put()`, `xtremweb.api.activedata.ActiveData.registerAttribute()`, `xtremweb.api.bitdew.BitDew.searchDataByUid()`, `xtremweb.role.cmdline.CommandLineTool.server`, `xtremweb.core.log.Logger.setLevel()`, `xtremweb.api.transman.TransferManager.start()`, `xtremweb.api.transman.TransferManager.stop()`, `xtremweb.role.cmdline.CommandLineTool.transferManager`, `xtremweb.api.bitdew.BitDew.updateData()`, `xtremweb.role.cmdline.CommandLineTool.usage()`, `xtremweb.role.cmdline.CommandLineTool.verbose`, `xtremweb.api.transman.TransferManager.waitFor()`, and `xtremweb.core.log.Logger.warn()`.

Referenced by `xtremweb.role.cmdline.CommandLineTool.main()`.

Here is the call graph for this function:



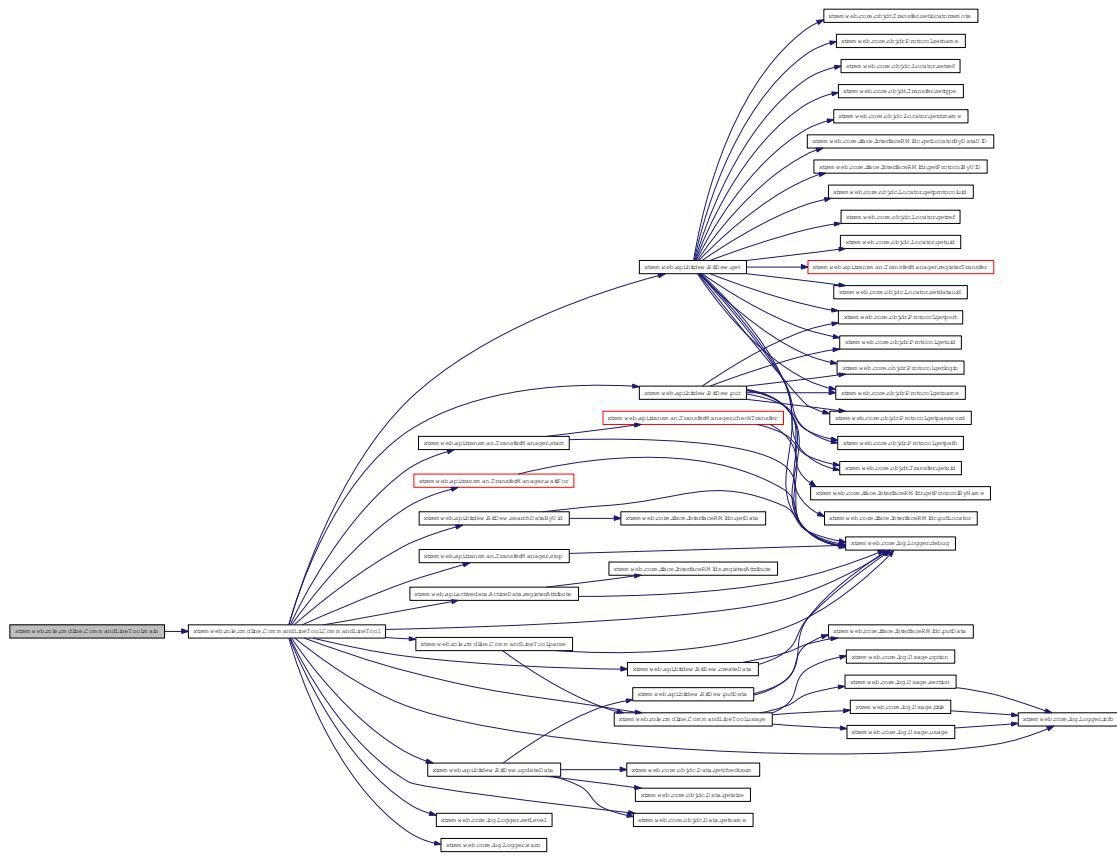
#### **5.49.4 Member Function Documentation**

**5.49.4.1 static void xtremweb.role.cmdline.CommandLineTool.main (String[ ] args) [static]**

Definition at line 345 of file CommandLineTool.java.

References xtremweb.role.cmdline.CommandLineTool.CommandLineTool().

Here is the call graph for this function:



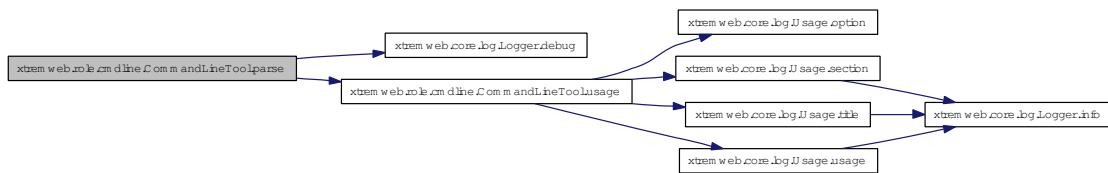
**5.49.4.2 String [] xtremweb.role.cmdline.CommandLineTool.parse (String[] args) [private]**

Definition at line 258 of file CommandLineTool.java.

References xtremweb.role.cmdline.CommandLineTool.attruid, xtremweb.core.log.Logger.debug(), xtremweb.role.cmdline.CommandLineTool.dirName, xtremweb.role.cmdline.CommandLineTool.fileName, xtremweb.role.cmdline.CommandLineTool.host, xtremweb.role.cmdline.CommandLineTool.log, xtremweb.role.cmdline.CommandLineTool.usage(), and xtremweb.role.cmdline.CommandLineTool.verbose.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool().

Here is the call graph for this function:



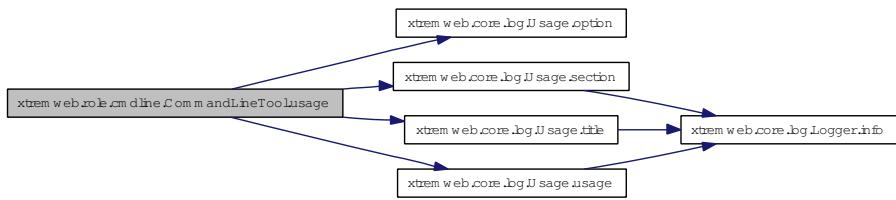
#### 5.49.4.3 void xtremweb.role.cmdline.CommandLineTool.usage (HelpFormat format)

Definition at line 295 of file CommandLineTool.java.

References xtremweb.core.log.Usage.ln, xtremweb.core.log.Usage.option(), xtremweb.core.log.Usage.section(), xtremweb.core.log.Usage.title(), and xtremweb.core.log.Usage.usage().

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), and xtremweb.role.cmdline.CommandLineTool.parse().

Here is the call graph for this function:



## 5.49.5 Member Data Documentation

### 5.49.5.1 ActiveData xtremweb.role.cmdline.CommandLineTool.activeData [private]

Definition at line 49 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool().

### 5.49.5.2 String xtremweb.role.cmdline.CommandLineTool.attruid [private]

Definition at line 54 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.parse().

### 5.49.5.3 BitDew xtremweb.role.cmdline.CommandLineTool.bitdew [private]

Definition at line 48 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool().

### 5.49.5.4 String xtremweb.role.cmdline.CommandLineTool.dirName [private]

Definition at line 56 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.parse().

### 5.49.5.5 String xtremweb.role.cmdline.CommandLineTool.fileName [private]

Definition at line 55 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), and xtremweb.role.cmdline.CommandLineTool.parse().

**5.49.5.6 String xtremweb.role.cmdline.CommandLineTool.host [private]**

Definition at line 51 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), and xtremweb.role.cmdline.CommandLineTool.parse().

**5.49.5.7 Logger xtremweb.role.cmdline.CommandLineTool.log =  
LoggerFactory.getLogger("CommandLineTool") [static, private]**

Definition at line 60 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), and xtremweb.role.cmdline.CommandLineTool.parse().

**5.49.5.8 int xtremweb.role.cmdline.CommandLineTool.port [private]**

Definition at line 57 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool().

**5.49.5.9 boolean xtremweb.role.cmdline.CommandLineTool.server = false [private]**

Definition at line 59 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool().

**5.49.5.10 TransferManager xtremweb.role.cmdline.CommandLineTool.transferManager = null  
[private]**

Definition at line 50 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool().

**5.49.5.11 boolean xtremweb.role.cmdline.CommandLineTool.verbose [private]**

Definition at line 58 of file CommandLineTool.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), and xtremweb.role.cmdline.CommandLineTool.parse().

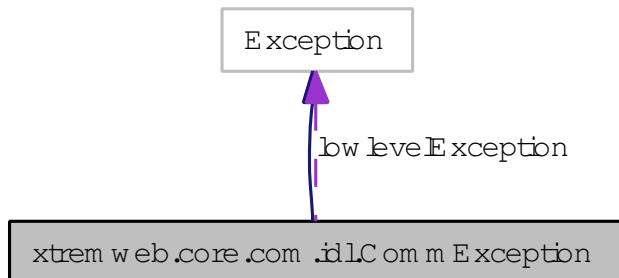
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/cmdline/CommandLineTool.java

## 5.50 xtremweb.core.com.idl.CommException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.core.com.idl.CommException:



### Public Member Functions

- [CommException \(\)](#)
- [CommException \(String s\)](#)
- [CommException \(Exception e\)](#)
- [CommException \(String s, Exception e\)](#)

### Public Attributes

- `Exception lowlevelException`

#### 5.50.1 Detailed Description

[CommException.java](#) A simple Exception for all the communications

Created: Wed Nov 22 12:11:17 2000

#### Author:

Gilles Fedak

#### Version:

Definition at line 12 of file `CommException.java`.

#### 5.50.2 Constructor & Destructor Documentation

##### 5.50.2.1 xtremweb.core.com.idl.CommException.CommException ()

Definition at line 16 of file `CommException.java`.

### 5.50.2.2 **xtremweb.core.com.idl.CommException.CommException (String s)**

Definition at line 20 of file CommException.java.

### 5.50.2.3 **xtremweb.core.com.idl.CommException.CommException (Exception e)**

Definition at line 24 of file CommException.java.

References xtremweb.core.com.idl.CommException.lowlevelException.

### 5.50.2.4 **xtremweb.core.com.idl.CommException.CommException (String s, Exception e)**

Definition at line 29 of file CommException.java.

References xtremweb.core.com.idl.CommException.lowlevelException.

## 5.50.3 Member Data Documentation

### 5.50.3.1 Exception **xtremweb.core.com.idl.CommException.lowlevelException**

Definition at line 14 of file CommException.java.

Referenced by xtremweb.core.com.idl.CommException.CommException(), and xtremweb.serv.dc.Bench.main().

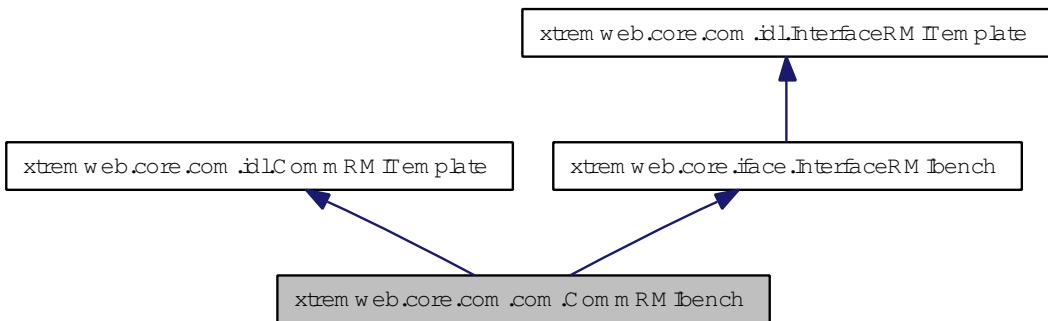
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/idl/[CommException.java](#)

## 5.51 xtremweb.core.com.com.CommRMIBench Class Reference

Inherits [xtremweb::core::com::idl::CommRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIBench](#).

Collaboration diagram for xtremweb.core.com.com.CommRMIBench:



### Public Member Functions

- long [register \(String hostName\) throws RemoteException](#)
- long [startExperience \(\) throws RemoteException](#)
- [Data startExperienceBroadcast \(\) throws RemoteException](#)
- void [endExperience \(long workerid, long measure, String\[ \] vecteur\) throws RemoteException](#)
- String[ ] [getValues \(\) throws RemoteException](#)

#### 5.51.1 Detailed Description

Definition at line 26 of file CommRMIBench.java.

#### 5.51.2 Member Function Documentation

##### 5.51.2.1 void xtremweb.core.com.com.CommRMIBench.endExperience (long *workerid*, long *measure*, String[ ] *vecteur*) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIBench](#).

Definition at line 67 of file CommRMIBench.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

##### 5.51.2.2 String [ ] xtremweb.core.com.com.CommRMIBench.getValues () throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIBench](#).

Definition at line 79 of file CommRMIBench.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

**5.51.2.3 long xtremweb.core.com.com.CommRMIBench.register (String *hostName*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIBench](#).

Definition at line 31 of file CommRMIBench.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.51.2.4 long xtremweb.core.com.com.CommRMIBench.startExperience () throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIBench](#).

Definition at line 43 of file CommRMIBench.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.51.2.5 Data xtremweb.core.com.com.CommRMIBench.startExperienceBroadcast () throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIBench](#).

Definition at line 55 of file CommRMIBench.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

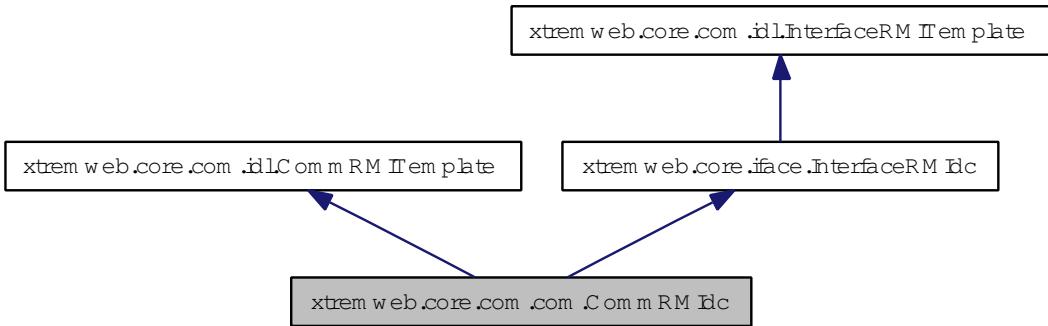
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/com/[CommRMIBench.java](#)

## 5.52 xtremweb.core.com.com.CommRMIdc Class Reference

Inherits [xtremweb::core::com::idl::CommRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIdc](#).

Collaboration diagram for xtremweb.core.com.com.CommRMIdc:



### Public Member Functions

- [Data createData \(String name, String checksum, long size, int type\) throws RemoteException](#)
- [Data createData \(\) throws RemoteException](#)
- [void putData \(Data data\) throws RemoteException](#)
- [Data getData \(String uid\) throws RemoteException](#)
- [void setDataStatus \(String uid, int status\) throws RemoteException](#)
- [void deleteData \(Data data\) throws RemoteException](#)
- [void putLocator \(Locator locator\) throws RemoteException](#)
- [Locator getLocatorByDataUID \(String datauid\) throws RemoteException](#)
- [String getDDCEEntryPoint \(\) throws RemoteException](#)

#### 5.52.1 Detailed Description

Definition at line 26 of file CommRMIdc.java.

#### 5.52.2 Member Function Documentation

##### 5.52.2.1 Data [xtremweb.core.com.com.CommRMIdc.createData \(\) throws RemoteException \[virtual\]](#)

Implements [xtremweb.core iface InterfaceRMIdc](#).

Definition at line 43 of file CommRMIdc.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

##### 5.52.2.2 Data [xtremweb.core.com.com.CommRMIdc.createData \(String name, String checksum, long size, int type\) throws RemoteException \[virtual\]](#)

Implements [xtremweb.core iface InterfaceRMIdc](#).

Definition at line 31 of file CommRMIdc.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

Referenced by [xtremweb.serv.dc.Bench.main\(\)](#).

**5.52.2.3 void [xtremweb.core.com.com.CommRMIdc.deleteData \(Data data\) throws RemoteException \[virtual\]](#)**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 91 of file CommRMIdc.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

**5.52.2.4 Data [xtremweb.core.com.com.CommRMIdc.getData \(String uid\) throws RemoteException \[virtual\]](#)**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 67 of file CommRMIdc.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

**5.52.2.5 String [xtremweb.core.com.com.CommRMIdc.getDDCEntryPoint \(\) throws RemoteException \[virtual\]](#)**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 127 of file CommRMIdc.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

**5.52.2.6 Locator [xtremweb.core.com.com.CommRMIdc.getLocatorByDataUID \(String datauid\) throws RemoteException \[virtual\]](#)**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 115 of file CommRMIdc.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

**5.52.2.7 void [xtremweb.core.com.com.CommRMIdc.putData \(Data data\) throws RemoteException \[virtual\]](#)**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 55 of file CommRMIdc.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

**5.52.2.8 void [xtremweb.core.com.com.CommRMIdc.putLocator \(Locator locator\) throws RemoteException \[virtual\]](#)**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 103 of file CommRMIdc.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.52.2.9 void xtremweb.core.com.com.CommRMIdc.setDataStatus (String *uid*, int *status*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdc](#).

Definition at line 79 of file CommRMIdc.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

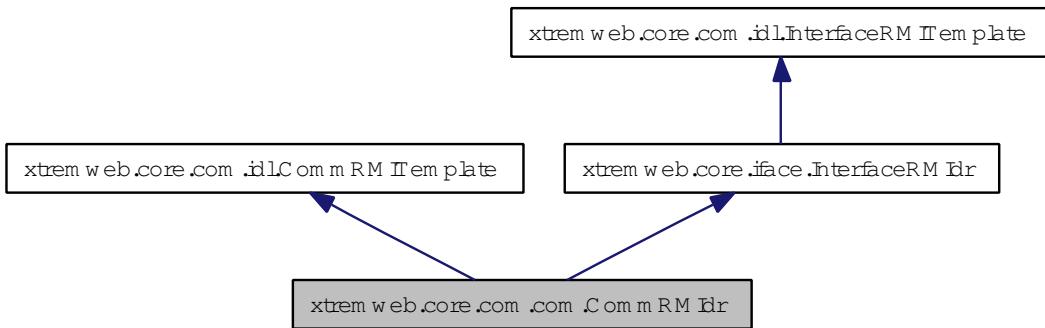
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/com/[CommRMIdc.java](#)

## 5.53 xtremweb.core.com.com.CommRMIdr Class Reference

Inherits [xtremweb::core::com::idl::CommRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIdr](#).

Collaboration diagram for xtremweb.core.com.com.CommRMIdr:



### Public Member Functions

- void [registerProtocol \(Protocol proto\)](#) throws RemoteException
- [Protocol getProtocolByName \(String name\)](#) throws RemoteException
- [Protocol getProtocolByUID \(String name\)](#) throws RemoteException
- String [getRef \(String datauid\)](#) throws RemoteException

#### 5.53.1 Detailed Description

Definition at line 26 of file CommRMIdr.java.

#### 5.53.2 Member Function Documentation

##### 5.53.2.1 Protocol [xtremweb.core.com.com.CommRMIdr.getProtocolByName \(String name\)](#) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdr](#).

Definition at line 43 of file CommRMIdr.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

##### 5.53.2.2 Protocol [xtremweb.core.com.com.CommRMIdr.getProtocolByUID \(String name\)](#) throws RemoteException [virtual]

Implements [xtremweb.core iface.InterfaceRMIdr](#).

Definition at line 55 of file CommRMIdr.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

**5.53.2.3 String xtremweb.core.com.com.CommRMIdr.getRef (String *datauid*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdr](#).

Definition at line 67 of file CommRMIdr.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.53.2.4 void xtremweb.core.com.com.CommRMIdr.registerProtocol (Protocol *proto*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdr](#).

Definition at line 31 of file CommRMIdr.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

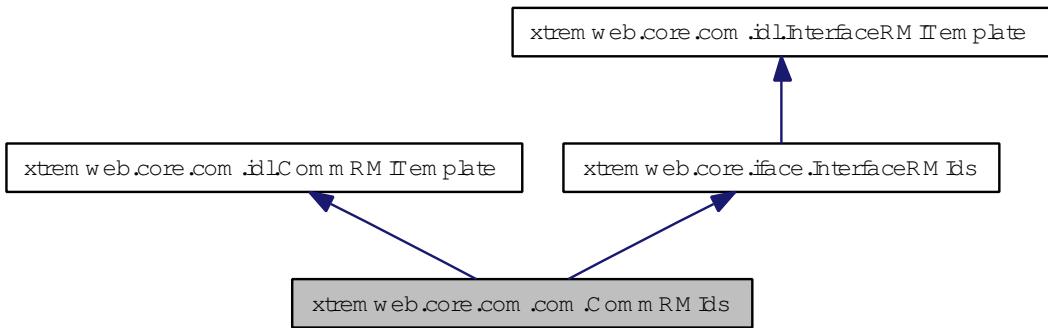
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/com/[CommRMIdr.java](#)

## 5.54 xtremweb.core.com.com.CommRMIIds Class Reference

Inherits [xtremweb::core::com::idl::CommRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIIds](#).

Collaboration diagram for xtremweb.core.com.com.CommRMIIds:



### Public Member Functions

- [Attribute registerAttribute \(Attribute attribute\) throws RemoteException](#)
- [Attribute getAttributeByUid \(String uid\) throws RemoteException](#)
- void [associateDataAttribute \(Data data, Attribute attribute\) throws RemoteException](#)
- void [associateDataAttributeHost \(Data data, Attribute attribute, Host host\) throws RemoteException](#)
- void [associateDataHost \(Data data, Host host\) throws RemoteException](#)
- void [removeData \(Data data\) throws RemoteException](#)
- Vector [sync \(Host host, Vector datas\) throws RemoteException](#)

#### 5.54.1 Detailed Description

Definition at line 26 of file CommRMIIds.java.

#### 5.54.2 Member Function Documentation

**5.54.2.1 void xtremweb.core.com.com.CommRMIIds.associateDataAttribute (Data data, Attribute attribute) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIIds](#).

Definition at line 55 of file CommRMIIds.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

**5.54.2.2 void xtremweb.core.com.com.CommRMIIds.associateDataAttributeHost (Data data, Attribute attribute, Host host) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIIds](#).

Definition at line 67 of file CommRMIIds.java.

References [xtremweb.core.com.idl.CommRMITemplate.rmi](#).

**5.54.2.3 void xtremweb.core.com.com.CommRMIds.associateDataHost (Data *data*, Host *host*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 79 of file CommRMIds.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.54.2.4 Attribute xtremweb.core.com.com.CommRMIds.getAttributeByUid (String *uid*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 43 of file CommRMIds.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.54.2.5 Attribute xtremweb.core.com.com.CommRMIds.registerAttribute (Attribute *attribute*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 31 of file CommRMIds.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.54.2.6 void xtremweb.core.com.com.CommRMIds.removeData (Data *data*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 91 of file CommRMIds.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.54.2.7 Vector xtremweb.core.com.com.CommRMIds.sync (Host *host*, Vector *datas*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 103 of file CommRMIds.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

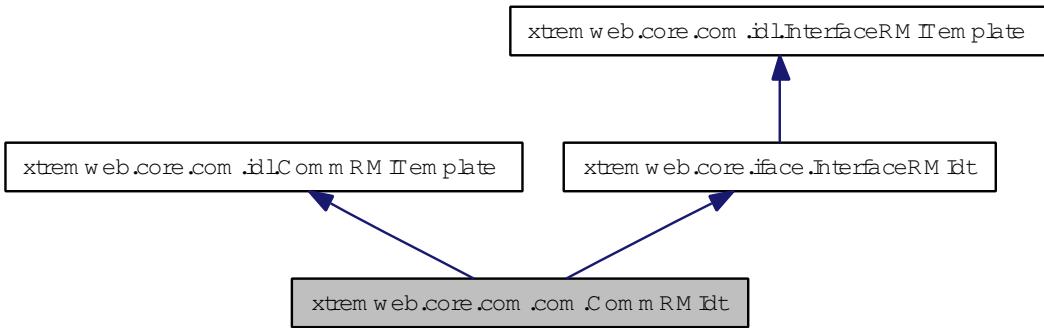
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/com/[CommRMIds.java](#)

## 5.55 xtremweb.core.com.com.CommRMIdt Class Reference

Inherits [xtremweb::core::com::idl::CommRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIdt](#).

Collaboration diagram for `xtremweb.core.com.com.CommRMIdt`:



### Public Member Functions

- int `registerTransfer (Transfer transfer, Data data, Protocol protocol, Locator locator)` throws RemoteException
- int `startTransfer (String transfer)` throws RemoteException
- void `setTransferStatus (String transfer, int status)` throws RemoteException
- boolean `poolTransfer (String transfer)` throws RemoteException
- int `endTransfer (String transfer)` throws RemoteException
- int `abortTransfer (String transfer)` throws RemoteException
- void `putTransfer (Transfer transfer)` throws RemoteException

#### 5.55.1 Detailed Description

Definition at line 26 of file `CommRMIdt.java`.

#### 5.55.2 Member Function Documentation

**5.55.2.1 int `xtremweb.core.com.com.CommRMIdt.abortTransfer (String transfer)` throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdt](#).

Definition at line 91 of file `CommRMIdt.java`.

References `xtremweb.core.com.idl.CommRMITemplate.rmi`.

**5.55.2.2 int `xtremweb.core.com.com.CommRMIdt.endTransfer (String transfer)` throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdt](#).

Definition at line 79 of file `CommRMIdt.java`.

References `xtremweb.core.com.idl.CommRMITemplate.rmi`.

**5.55.2.3 boolean xtremweb.core.com.com.CommRMIdt.poolTransfer (String *transfer*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 67 of file CommRMIdt.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.55.2.4 void xtremweb.core.com.com.CommRMIdt.putTransfer (Transfer *transfer*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 103 of file CommRMIdt.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.55.2.5 int xtremweb.core.com.com.CommRMIdt.registerTransfer (Transfer *transfer*, Data *data*, Protocol *protocol*, Locator *locator*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 31 of file CommRMIdt.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.55.2.6 void xtremweb.core.com.com.CommRMIdt.setTransferStatus (String *transfer*, int *status*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 55 of file CommRMIdt.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

**5.55.2.7 int xtremweb.core.com.com.CommRMIdt.startTransfer (String *transfer*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 43 of file CommRMIdt.java.

References xtremweb.core.com.idl.CommRMITemplate.rmi.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/com/[CommRMIdt.java](#)

## 5.56 xtremweb.core.com.idl.CommRMITemplate Class Reference

Inherited by [xtremweb.core.com.com.CommRMIBench](#), [xtremweb.core.com.com.CommRMIDc](#), [xtremweb.core.com.com.CommRMIDr](#), [xtremweb.core.com.com.CommRMIDs](#), and [xtremweb.core.com.com.CommRMIdt](#).

### Public Member Functions

- [CommRMITemplate \(\)](#)
- void [initComm](#) (String hostname, int port, String module) throws CommException
- String [getHostName \(\)](#)
- int [getPort \(\)](#)
- String [getModule \(\)](#)

### Protected Attributes

- Remote [rmi](#)
- String [\\_hostname](#)
- int [\\_port](#)
- String [\\_module](#)

#### 5.56.1 Detailed Description

[CommRMITemplate.java](#)

Template to create RMI RPC calls Created:

**Author:**

fedak

**Version:**

Definition at line 13 of file [CommRMITemplate.java](#).

#### 5.56.2 Constructor & Destructor Documentation

##### 5.56.2.1 xtremweb.core.com.idl.CommRMITemplate.CommRMITemplate ()

Definition at line 21 of file [CommRMITemplate.java](#).

#### 5.56.3 Member Function Documentation

##### 5.56.3.1 String xtremweb.core.com.idl.CommRMITemplate.getHostName ()

Definition at line 68 of file [CommRMITemplate.java](#).

References [xtremweb.core.com.idl.CommRMITemplate.\\_hostname](#).

**5.56.3.2 String xtremweb.core.com.idl.CommRMITemplate.getModule ()**

Definition at line 76 of file CommRMITemplate.java.

References xtremweb.core.com.idl.CommRMITemplate.\_module.

**5.56.3.3 int xtremweb.core.com.idl.CommRMITemplate.getPort ()**

Definition at line 72 of file CommRMITemplate.java.

References xtremweb.core.com.idl.CommRMITemplate.\_port.

**5.56.3.4 void xtremweb.core.com.idl.CommRMITemplate.initComm (String *hostname*, int *port*, String *module*) throws CommException**

Definition at line 27 of file CommRMITemplate.java.

References xtremweb.core.com.idl.CommRMITemplate.\_hostname, xtremweb.core.com.idl.CommRMITemplate.\_module, xtremweb.core.com.idl.CommRMITemplate.\_port, and xtremweb.core.com.idl.CommRMITemplate.rmi.

Referenced by xtremweb.serv.dc.Bench.main().

## 5.56.4 Member Data Documentation

**5.56.4.1 String xtremweb.core.com.idl.CommRMITemplate.\_hostname [protected]**

Definition at line 17 of file CommRMITemplate.java.

Referenced by xtremweb.core.com.idl.CommRMITemplate.getHostName(), and xtremweb.core.com.idl.CommRMITemplate.initComm().

**5.56.4.2 String xtremweb.core.com.idl.CommRMITemplate.\_module [protected]**

Definition at line 19 of file CommRMITemplate.java.

Referenced by xtremweb.core.com.idl.CommRMITemplate.getModule(), and xtremweb.core.com.idl.CommRMITemplate.initComm().

**5.56.4.3 int xtremweb.core.com.idl.CommRMITemplate.\_port [protected]**

Definition at line 18 of file CommRMITemplate.java.

Referenced by xtremweb.core.com.idl.CommRMITemplate.getPort(), and xtremweb.core.com.idl.CommRMITemplate.initComm().

**5.56.4.4 Remote xtremweb.core.com.idl.CommRMITemplate.rmi [protected]**

Definition at line 15 of file CommRMITemplate.java.

Referenced by xtremweb.core.com.com.CommRMIdt.abortTransfer(), xtremweb.core.com.com.CommRMIds.associateDataAttribute(), xtremweb.core.com.com.CommRMIds.associateDataAttribute(), xtremweb.core.com.com.CommRMIds.associateDataHost(), xtremweb.core.com.com.CommRMIdc.createData(), xtremweb.core.com.com.CommRMIdc.deleteData(), xtremweb.core.com.com.CommRMIBench.endExperience(),

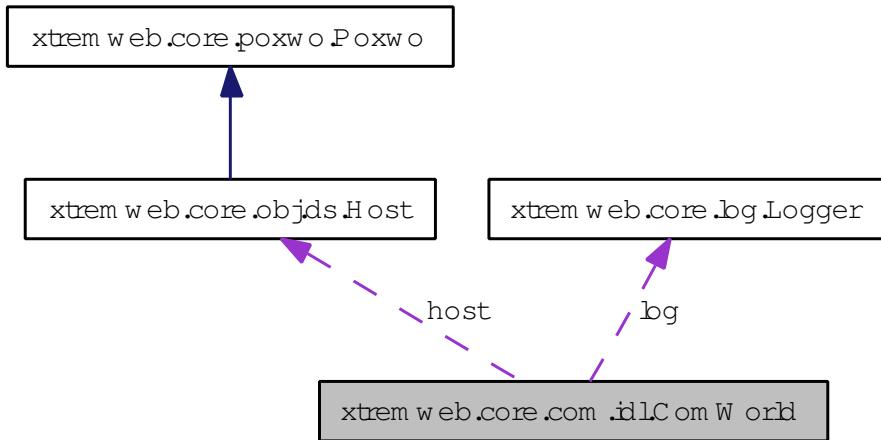
xtremweb.core.com.com.CommRMIdt.endTransfer(), xtremweb.core.com.com.CommRMIds.getAttributeByUid(),  
xtremweb.core.com.com.CommRMIdc.getData(), xtremweb.core.com.com.CommRMIdc.getDDCEntryPoint(),  
xtremweb.core.com.com.CommRMIdc.getLocatorByDataUID(), xtremweb.core.com.com.CommRMIdr.getProtocolByName()  
xtremweb.core.com.com.CommRMIdr.getProtocolByUID(), xtremweb.core.com.com.CommRMIdr.getRef(),  
xtremweb.core.com.com.CommRMIdbench.getValues(), xtremweb.core.com.idl.CommRMITemplate.initComm(),  
xtremweb.core.com.com.CommRMIdt.poolTransfer(), xtremweb.core.com.com.CommRMIdc.putData(),  
xtremweb.core.com.com.CommRMIdc.putLocator(), xtremweb.core.com.com.CommRMIdt.putTransfer(),  
xtremweb.core.com.com.CommRMIdbench.register(), xtremweb.core.com.com.CommRMIds.registerAttribute(),  
xtremweb.core.com.com.CommRMIdr.registerProtocol(), xtremweb.core.com.com.CommRMIdt.registerTransfer(),  
xtremweb.core.com.com.CommRMIds.removeData(), xtremweb.core.com.com.CommRMIdc.setDataStatus(),  
xtremweb.core.com.com.CommRMIdt.setTransferStatus(), xtremweb.core.com.com.CommRMIdbench.startExperience(),  
xtremweb.core.com.com.CommRMIdbench.startExperienceBroadcast(), xtremweb.core.com.com.CommRMIdt.startTransfer(),  
and xtremweb.core.com.com.CommRMIds.sync().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/idl/[CommRMITemplate.java](#)

## 5.57 xtremweb.core.com.idl.ComWorld Class Reference

Collaboration diagram for xtremweb.core.com.idl.ComWorld:



### Public Member Functions

- [ComWorld \(\)](#)

### Static Public Member Functions

- static int [initPort](#) (String media, int port)
- static [Host getHost](#) ()
- static Object [getComm](#) (String `host`, String media, int port, String service) throws ModuleLoaderException
- static Vector [getMultipleComms](#) (String `host`, String media, int port, String...services) throws ModuleLoaderException

### Static Public Attributes

- static final int [RMI\\_DEFAULT\\_PORT](#) = 4325

### Static Private Member Functions

- static Object [createInstance](#) (String className) throws ModuleLoaderException

### Static Private Attributes

- static [Host host](#) = null
- static [Logger log](#) = LoggerFactory.getLogger(ComWorld.class)

### 5.57.1 Detailed Description

`ComWorld` allows to configure the distributed system.

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 16 of file ComWorld.java.

### 5.57.2 Constructor & Destructor Documentation

#### 5.57.2.1 `xtremweb.core.com.idl.ComWorld.ComWorld ()`

Creates a new `ComWorld` instance.

Definition at line 28 of file ComWorld.java.

### 5.57.3 Member Function Documentation

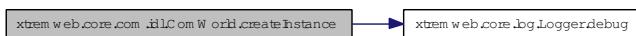
#### 5.57.3.1 `static Object xtremweb.core.com.idl.ComWorld.createInstance (String className) throws ModuleLoaderException [static, private]`

Definition at line 138 of file ComWorld.java.

References `xtremweb.core.log.Logger.debug()`, and `xtremweb.core.com.idl.ComWorld.log`.

Referenced by `xtremweb.core.com.idl.ComWorld.getComm()`.

Here is the call graph for this function:



#### 5.57.3.2 `static Object xtremweb.core.com.idl.ComWorld.getComm (String host, String media, int port, String service) throws ModuleLoaderException [static]`

`getComm` creates an interface to the service according to the host, the port and the communication media.

**Parameters:**

- `host` a `String` value
- `media` a `String` value
- `port` an `int` value
- `service` a `String` value

**Returns:**

an `Object` value

**Exceptions:**

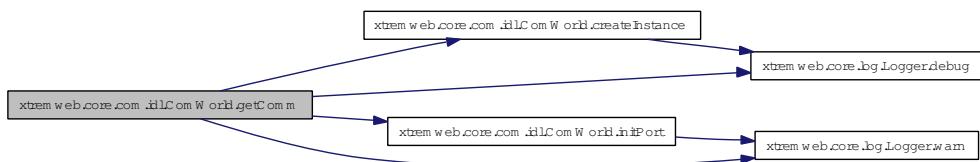
***ModuleLoaderException*** if an error occurs

Definition at line 83 of file ComWorld.java.

References `xtremweb.core.com.idl.ComWorld.createInstance()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.core.com.idl.ComWorld.host`, `xtremweb.core.com.idl.ComWorld.initPort()`, `xtremweb.core.com.idl.ComWorld.log`, and `xtremweb.core.log.Logger.warn()`.

Referenced by `xtremweb.core.com.idl.ComWorld.getMultipleComms()`.

Here is the call graph for this function:

**5.57.3.3 static Host xtremweb.core.com.idl.ComWorld.getHost () [static]**

`getHost` return the Host.

**Returns:**

a Host value

Definition at line 64 of file ComWorld.java.

References `xtremweb.core.com.idl.ComWorld.host`.

**5.57.3.4 static Vector xtremweb.core.com.idl.ComWorld.getMultipleComms (String host, String media, int port, String... services) throws ModuleLoaderException [static]**

`getMultipleComms` creates a list of interfaces to the services according to the host, the port and the communication media.

**Parameters:**

`host` a String value

`media` a String value

`port` an int value

**Returns:**

a Vector value

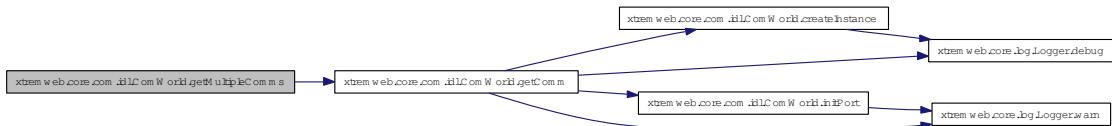
**Exceptions:**

***ModuleLoaderException*** if an error occurs

Definition at line 130 of file ComWorld.java.

References xtremweb.core.com.idl.ComWorld.getComm(), and xtremweb.core.com.idl.ComWorld.host.

Here is the call graph for this function:



### 5.57.3.5 static int xtremweb.core.com.idl.ComWorld.initPort (String *media*, int *port*) [static]

*initPort*. If port is equal to zero, will try to read it from the configuration file or will set it with default value.

#### Parameters:

*media* a String value  
*port* an int value

#### Returns:

an int value

Definition at line 41 of file ComWorld.java.

References xtremweb.core.com.idl.ComWorld.log, xtremweb.core.com.idl.ComWorld.RMI\_DEFAULT\_PORT, and xtremweb.core.log.Logger.warn().

Referenced by xtremweb.core.com.idl.ComWorld.getComm().

Here is the call graph for this function:



## 5.57.4 Member Data Documentation

### 5.57.4.1 Host xtremweb.core.com.idl.ComWorld.host = null [static, private]

Definition at line 18 of file ComWorld.java.

Referenced by xtremweb.core.com.idl.ComWorld.getComm(), xtremweb.core.com.idl.ComWorld.getHost(), and xtremweb.core.com.idl.ComWorld.getMultipleComms().

### 5.57.4.2 Logger xtremweb.core.com.idl.ComWorld.log = LoggerFactory.getLogger(ComWorld.class) [static, private]

Definition at line 20 of file ComWorld.java.

Referenced by xtremweb.core.com.idl.ComWorld.createInstance(), xtremweb.core.com.idl.ComWorld.getComm(), and xtremweb.core.com.idl.ComWorld.initPort().

**5.57.4.3 final int xtremweb.core.com.idl.ComWorld.RMI\_DEFAULT\_PORT = 4325 [static]**

Definition at line 22 of file ComWorld.java.

Referenced by xtremweb.core.com.idl.ComWorld.initPort().

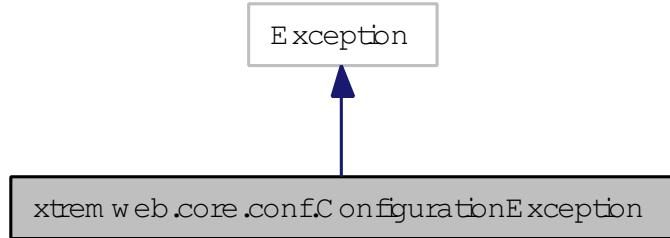
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/idl/[ComWorld.java](#)

## 5.58 xtremweb.core.conf.ConfigurationException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.core.conf.ConfigurationException:



### Public Member Functions

- [ConfigurationException \(\)](#)
- [ConfigurationException \(String message\)](#)

#### 5.58.1 Detailed Description

Definition at line 14 of file ConfigurationException.java.

#### 5.58.2 Constructor & Destructor Documentation

##### 5.58.2.1 xtremweb.core.conf.ConfigurationException.ConfigurationException ()

Definition at line 16 of file ConfigurationException.java.

##### 5.58.2.2 xtremweb.core.conf.ConfigurationException.ConfigurationException (String *message*)

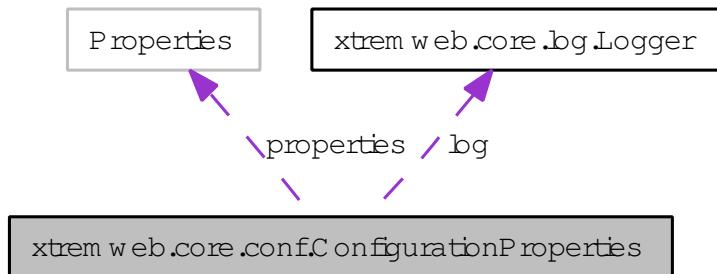
Definition at line 20 of file ConfigurationException.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/conf/[ConfigurationException.java](#)

## 5.59 xtremweb.core.conf.ConfigurationProperties Class Reference

Collaboration diagram for xtremweb.core.conf.ConfigurationProperties:



### Public Member Functions

- [ConfigurationProperties \(\) throws ConfigurationException](#)

### Static Public Member Functions

- static void [reload \(String file\) throws ConfigurationException](#)
- static Properties [getProperties \(\) throws ConfigurationException](#)
- static void [setProperty \(String key, String value\) throws ConfigurationException](#)

### Static Package Functions

- [\[static initializer\]](#)

### Static Private Attributes

- static final String [PROPERTIESFILE\\_DEFAULT = "conf/xtremweb.properties"](#)
- static final String [PROPERTIESJARFILE\\_DEFAULT = "/xtremweb.properties"](#)
- static String [propertiesFile = null](#)
- static Properties [properties](#)
- static Logger [log = LoggerFactory.getLogger\(ConfigurationProperties.class\)](#)

### 5.59.1 Detailed Description

[ConfigurationProperties](#) permits to configure the middleware

The default configuration file is conf/xtremweb.properties It can be overloaded using the commandline switch -DPROPERTIES\_FILE="new\_properties\_file"

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 18 of file ConfigurationProperties.java.

### 5.59.2 Constructor & Destructor Documentation

#### 5.59.2.1 `xtremweb.core.conf.ConfigurationProperties.ConfigurationProperties () throws ConfigurationException`

Creates a new `ConfigurationProperties` instance.

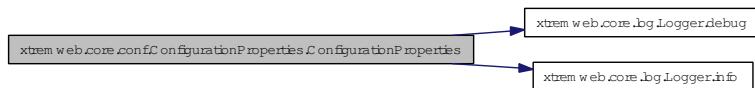
**Exceptions:**

`ConfigurationException` if an error occurs

Definition at line 38 of file ConfigurationProperties.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core.log.Logger.info()`, `xtremweb.core.conf.ConfigurationProperties.log`, `xtremweb.core.conf.ConfigurationProperties.properties`, `xtremweb.core.conf.ConfigurationProperties.propertiesFile`, `xtremweb.core.conf.ConfigurationProperties.PROPERTIESFILE_DEFAULT`, and `xtremweb.core.conf.ConfigurationProperties.PROPERTIESJARFILE_DEFAULT`.

Here is the call graph for this function:



### 5.59.3 Member Function Documentation

#### 5.59.3.1 `xtremweb.core.conf.ConfigurationProperties.[static initializer] () [static, package]`

#### 5.59.3.2 `static Properties xtremweb.core.conf.ConfigurationProperties.getProperties () throws ConfigurationException [static]`

`getProperties` gets the properties

**Returns:**

a `Properties` value

**Exceptions:**

`ConfigurationException` if an error occurs

Definition at line 93 of file ConfigurationProperties.java.

References `xtremweb.core.conf.ConfigurationProperties.properties`.

#### 5.59.3.3 `static void xtremweb.core.conf.ConfigurationProperties.reload (String file) throws ConfigurationException [static]`

`reload` properties

**Parameters:**

*file* a String value

**Exceptions:**

*ConfigurationException* if an error occurs

Definition at line 78 of file ConfigurationProperties.java.

References xtremweb.core.conf.ConfigurationProperties.properties, and xtremweb.core.conf.ConfigurationProperties.propertiesFile.

**5.59.3.4 static void xtremweb.core.conf.ConfigurationProperties.setProperty (String key, String value) throws ConfigurationException [static]**

Definition at line 98 of file ConfigurationProperties.java.

References xtremweb.core.conf.ConfigurationProperties.properties.

## 5.59.4 Member Data Documentation

**5.59.4.1 Logger xtremweb.core.conf.ConfigurationProperties.log = LoggerFactory.getLogger(ConfigurationProperties.class) [static, private]**

Definition at line 23 of file ConfigurationProperties.java.

Referenced by xtremweb.core.conf.ConfigurationProperties.ConfigurationProperties().

**5.59.4.2 Properties xtremweb.core.conf.ConfigurationProperties.properties [static, private]**

Definition at line 22 of file ConfigurationProperties.java.

Referenced by xtremweb.core.conf.ConfigurationProperties.ConfigurationProperties(), xtremweb.core.conf.ConfigurationProperties.getProperties(), xtremweb.core.conf.ConfigurationProperties.reload(), and xtremweb.core.conf.ConfigurationProperties.setProperty().

**5.59.4.3 String xtremweb.core.conf.ConfigurationProperties.propertiesFile = null [static, private]**

Definition at line 21 of file ConfigurationProperties.java.

Referenced by xtremweb.core.conf.ConfigurationProperties.ConfigurationProperties(), and xtremweb.core.conf.ConfigurationProperties.reload().

**5.59.4.4 final String xtremweb.core.conf.ConfigurationProperties.PROPERTIESFILE\_DEFAULT = "conf/xtremweb.properties" [static, private]**

Definition at line 19 of file ConfigurationProperties.java.

Referenced by xtremweb.core.conf.ConfigurationProperties.ConfigurationProperties().

**5.59.4.5 final String xtremweb.core.conf.ConfigurationProperties.PROPERTIESJARFILE\_-  
DEFAULT = "/xtremweb.properties"** [static, private]

Definition at line 20 of file ConfigurationProperties.java.

Referenced by xtremweb.core.conf.ConfigurationProperties.ConfigurationProperties().

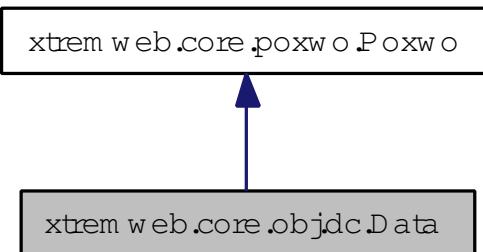
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/conf/[ConfigurationProperties.java](#)

## 5.60 xtremweb.core.obj.dc.Data Class Reference

Inherits [xtremweb::core::poxwo::Poxwo](#).

Collaboration diagram for xtremweb.core.obj.dc.Data:



### Public Member Functions

- String [getuid](#) ()
- void [setuid](#) (String [uid](#))
- String [getname](#) ()
- void [setname](#) (String [name](#))
- String [getchecksum](#) ()
- void [setchecksum](#) (String [checksum](#))
- long [getsize](#) ()
- void [setsize](#) (long [size](#))
- int [gettype](#) ()
- void [settype](#) (int [type](#))
- String [getoob](#) ()
- void [setoob](#) (String [oob](#))
- String [getattruid](#) ()
- void [setattruid](#) (String [attruid](#))
- int [getstatus](#) ()
- void [setstatus](#) (int [status](#))

### Private Attributes

- String [uid](#)
- String [name](#)
- String [checksum](#)
- long [size](#)
- int [type](#)
- String [oob](#)
- String [attruid](#)
- int [status](#)

### 5.60.1 Detailed Description

#### Data.java

Declaration of object [Data](#)

This code is generated with XwIDL from the definition file used TODO

Do not edit this file !

#### Author:

fedak

#### Version:

"1.0"

Definition at line 24 of file Data.java.

### 5.60.2 Member Function Documentation

#### 5.60.2.1 String xtremweb.core.obj.dc.Data.getattruid ()

Definition at line 93 of file Data.java.

References [xtremweb.core.obj.dc.Data.attruid](#).

Referenced by [xtremweb.api.activedata.ActiveData.checkData\(\)](#).

#### 5.60.2.2 String xtremweb.core.obj.dc.Data.getchecksum ()

Definition at line 65 of file Data.java.

References [xtremweb.core.obj.dc.Data.checksum](#).

Referenced by [xtremweb.serv.dc.Bench.main\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.poolTransfer\(\)](#), [xtremweb.serv.dc.DataUtil.toString\(\)](#), and [xtremweb.api.bitdew.BitDew.updateData\(\)](#).

#### 5.60.2.3 String xtremweb.core.obj.dc.Data.getname ()

Definition at line 58 of file Data.java.

References [xtremweb.core.obj.dc.Data.name](#).

Referenced by [xtremweb.role.cmdline.CommandLineTool.CommandLineTool\(\)](#), [xtremweb.serv.dc.Bench.main\(\)](#), [xtremweb.role.examples.PingPong.PongCallback.onDataDeleted\(\)](#), [xtremweb.role.examples.PingPong.PingCallback.onDataDeleted\(\)](#), [xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled\(\)](#), [xtremweb.role.mw.Master2.MasterCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.PingPong.PongCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.PingPong.PingCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.HelloWorld.HelloWorldCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.PingPong.Ping\(\)](#), [xtremweb.role.examples.PutGet.put\(\)](#), [xtremweb.serv.dc.DataUtil.toString\(\)](#), and [xtremweb.api.bitdew.BitDew.updateData\(\)](#).

**5.60.2.4 String xtremweb.core.obj.dc.Data.getoob ()**

Definition at line 86 of file Data.java.

References xtremweb.core.obj.dc.Data.oob.

**5.60.2.5 long xtremweb.core.obj.dc.Data.getsize ()**

Definition at line 72 of file Data.java.

References xtremweb.core.obj.dc.Data.size.

Referenced by xtremweb.serv.dc.Bench.main(), xtremweb.serv.dt.OOBTransferImpl.poolTransfer(), xtremweb.serv.dc.DataUtil.toString(), and xtremweb.api.bitdew.BitDew.updateData().

**5.60.2.6 int xtremweb.core.obj.dc.Data.getstatus ()**

Definition at line 100 of file Data.java.

References xtremweb.core.obj.dc.Data.status.

Referenced by xtremweb.api.activedata.ActiveData.checkData(), xtremweb.serv.ds.DataScheduler.getNewDataFromCache(), xtremweb.serv.ds.DataScheduler.removeDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache() and xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache().

**5.60.2.7 int xtremweb.core.obj.dc.Data.gettype ()**

Definition at line 79 of file Data.java.

References xtremweb.core.obj.dc.Data.type.

**5.60.2.8 String xtremweb.core.obj.dc.Data.getuid () [virtual]**

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 51 of file Data.java.

References xtremweb.core.obj.dc.Data.uid.

Referenced by xtremweb.serv.ds.DataScheduler.associateDataAttribute(), xtremweb.serv.ds.DataScheduler.associateDataAttributeHost(), xtremweb.serv.ds.DataScheduler.associateDataHost(), xtremweb.role.bench.Bench.benchPingPong(), xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide(), xtremweb.role.ui.DataBaseServlet.browse(), xtremweb.api.activedata.ActiveData.checkData(), xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast(), xtremweb.serv.ds.CacheEntry.getDataUid(), xtremweb.serv.ds.DataScheduler.getNewDataFromCache(), xtremweb.role.examples.HelloWorld.HelloWorld(), xtremweb.api.transman.TransferManager.isTransferComplete(), xtremweb.serv.dc.LocatorUtil.localLocator(), xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.serv.dc.Callbackdc.main(), xtremweb.role.blast.Master.main(), xtremweb.role.bench.BenchBroadCastMaster.main(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.role.examples.PingPong.PongCallback.onDataDeleted(), xtremweb.role.examples.PingPong.PingCallback.onDataDeleted(), xtremweb.role.examples.PingPong.PongCallback.onDataScheduled(), xtremweb.role.examples.PingPong.PingCallback.onDataScheduled(), xtremweb.role.examples.HelloWorld.HelloWorldCallback.onDataScheduled(),

xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.role.examples.PingPong.Ping(), xtremweb.serv.dt.OOBTransferImpl.poolTransfer(), xtremweb.role.examples.PutGet.put(), xtremweb.serv.ds.DataScheduler.removeData(), xtremweb.serv.ds.DataScheduler.removeDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.searchDataAttributeTest(), xtremweb.serv.ds.test.DataSchedulerTest.searchWronguid(), xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache(), xtremweb.serv.dt.OOBTransferImpl.toString(), and xtremweb.serv.dc.DataUtil.toString().

#### **5.60.2.9 void xtremweb.core.obj.dc.Data.setattruid (String *attruid*)**

Definition at line 96 of file Data.java.

Referenced by xtremweb.serv.ds.Callbackds.associateAttribute().

#### **5.60.2.10 void xtremweb.core.obj.dc.Data.setchecksum (String *checksum*)**

Definition at line 68 of file Data.java.

Referenced by xtremweb.serv.dc.Callbackdc.createData(), and xtremweb.serv.dc.DataUtil.fileToData().

#### **5.60.2.11 void xtremweb.core.obj.dc.Data.setname (String *name*)**

Definition at line 61 of file Data.java.

Referenced by xtremweb.serv.dc.Callbackdc.createData(), xtremweb.api.bitdew.BitDew.createData(), and xtremweb.serv.dc.DataUtil.fileToData().

#### **5.60.2.12 void xtremweb.core.obj.dc.Data.setoob (String *oob*)**

Definition at line 89 of file Data.java.

Referenced by xtremweb.role.bench.Bench.benchPingPong(), xtremweb.role.examples.Broadcast.Broadcast(), xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData(), xtremweb.api.bitdew.BitDew.createData(), xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), xtremweb.role.blast.Master.main(), and xtremweb.role.bench.BenchBroadCastMaster.main().

#### **5.60.2.13 void xtremweb.core.obj.dc.Data.setsize (long *size*)**

Definition at line 75 of file Data.java.

Referenced by xtremweb.serv.dc.Callbackdc.createData(), xtremweb.api.bitdew.BitDew.createData(), and xtremweb.serv.dc.DataUtil.fileToData().

#### **5.60.2.14 void xtremweb.core.obj.dc.Data.setstatus (int *status*)**

Definition at line 103 of file Data.java.

Referenced by xtremweb.api.activedata.ActiveData.checkData(), xtremweb.serv.ds.DataScheduler.removeData(), xtremweb.serv.ds.DataScheduler.removeDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache(), and xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache().

**5.60.2.15 void xtremweb.core.obj.dc.Data.settype (int type)**

Definition at line 82 of file Data.java.

Referenced by xtremweb.serv.dc.Callbackdc.createData(), and xtremweb.serv.dc.DataUtil.fileToData().

**5.60.2.16 void xtremweb.core.obj.dc.Data.setuid (String uid) [virtual]**

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 54 of file Data.java.

### 5.60.3 Member Data Documentation

**5.60.3.1 String xtremweb.core.obj.dc.Data.attruid [private]**

Definition at line 46 of file Data.java.

Referenced by xtremweb.core.obj.dc.Data.getattruid().

**5.60.3.2 String xtremweb.core.obj.dc.Data.checksum [private]**

Definition at line 34 of file Data.java.

Referenced by xtremweb.core.obj.dc.Data.getchecksum().

**5.60.3.3 String xtremweb.core.obj.dc.Data.name [private]**

Definition at line 31 of file Data.java.

Referenced by xtremweb.core.obj.dc.Data.getname().

**5.60.3.4 String xtremweb.core.obj.dc.Data.oob [private]**

Definition at line 43 of file Data.java.

Referenced by xtremweb.core.obj.dc.Data.getoob().

**5.60.3.5 long xtremweb.core.obj.dc.Data.size [private]**

Definition at line 37 of file Data.java.

Referenced by xtremweb.core.obj.dc.Data.getsize().

**5.60.3.6 int xtremweb.core.obj.dc.Data.status [private]**

Definition at line 49 of file Data.java.

Referenced by xtremweb.core.obj.dc.Data.getstatus().

**5.60.3.7 int xtremweb.core.obj.dc.Data.type [private]**

Definition at line 40 of file Data.java.

Referenced by xtremweb.core.obj.dc.Data.gettype().

**5.60.3.8 String xtremweb.core.obj.dc.Data.uid [private]**

Definition at line 28 of file Data.java.

Referenced by xtremweb.core.obj.dc.Data.getuid().

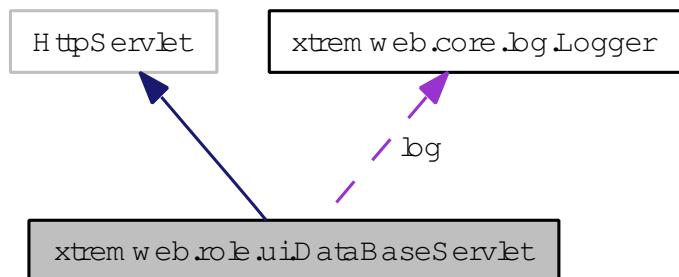
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/obj/dc/[Data.java](#)

## 5.61 xtremweb.role.ui.DataBaseServlet Class Reference

Inherits javax::servlet::http::HttpServlet.

Collaboration diagram for xtremweb.role.ui.DataBaseServlet:



### Public Member Functions

- [DataBaseServlet \(\)](#)
- void [doGet](#) (HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
- String [browse](#) (Class className)

### Protected Attributes

- `Logger log = LoggerFactory.getLogger("Data base ui")`

#### 5.61.1 Detailed Description

Describe class `DataBaseServlet` here.

Created: Fri Aug 24 10:54:32 2007

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 32 of file DataBaseServlet.java.

#### 5.61.2 Constructor & Destructor Documentation

##### 5.61.2.1 xtremweb.role.ui.DataBaseServlet.DataBaseServlet ()

Creates a new `DataBaseServlet` instance.

Definition at line 40 of file DataBaseServlet.java.

### 5.61.3 Member Function Documentation

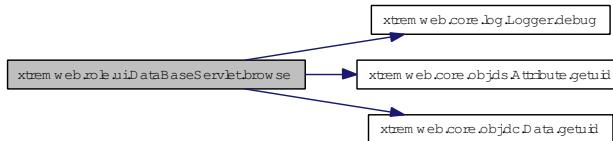
#### 5.61.3.1 String xtremweb.role.ui.DataBaseServlet.browse (Class *className*)

Definition at line 64 of file DataBaseServlet.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.obj.ds.Attribute.getuid(), xtremweb.core.obj.dc.Data.getuid(), and xtremweb.role.ui.DataBaseServlet.log.

Referenced by xtremweb.role.ui.DataBaseServlet.doGet().

Here is the call graph for this function:



#### 5.61.3.2 void xtremweb.role.ui.DataBaseServlet.doGet (HttpServletRequest *request*, HttpServletResponse *response*) throws ServletException, IOException

Definition at line 45 of file DataBaseServlet.java.

References xtremweb.role.ui.DataBaseServlet.browse(), xtremweb.core.log.Logger.debug(), and xtremweb.role.ui.DataBaseServlet.log.

Here is the call graph for this function:



### 5.61.4 Member Data Documentation

#### 5.61.4.1 Logger xtremweb.role.ui.DataBaseServlet.log = LoggerFactory.getLogger("Data base ui") [protected]

Definition at line 34 of file DataBaseServlet.java.

Referenced by xtremweb.role.ui.DataBaseServlet.browse(), and xtremweb.role.ui.DataBaseServlet.doGet().

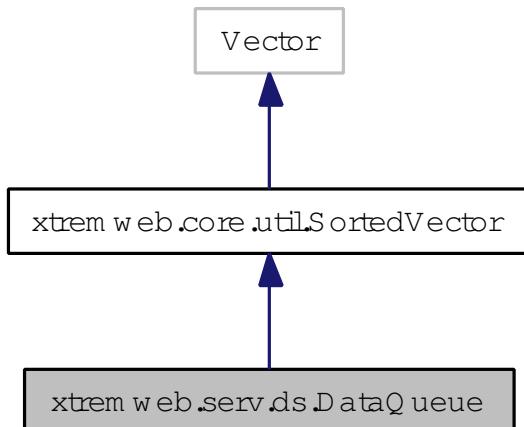
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/ui/DataBaseServlet.java

## 5.62 xtremweb.serv.ds.DataQueue Class Reference

Inherits [xtremweb::core::util::SortedVector](#).

Collaboration diagram for xtremweb.serv.ds.DataQueue:



### Public Member Functions

- [DataQueue \(\)](#)

#### 5.62.1 Detailed Description

Describe class [DataQueue](#) here.

Created: Mon Oct 22 15:34:40 2007

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 13 of file DataQueue.java.

#### 5.62.2 Constructor & Destructor Documentation

##### 5.62.2.1 xtremweb.serv.ds.DataQueue.DataQueue ()

Creates a new [DataQueue](#) instance.

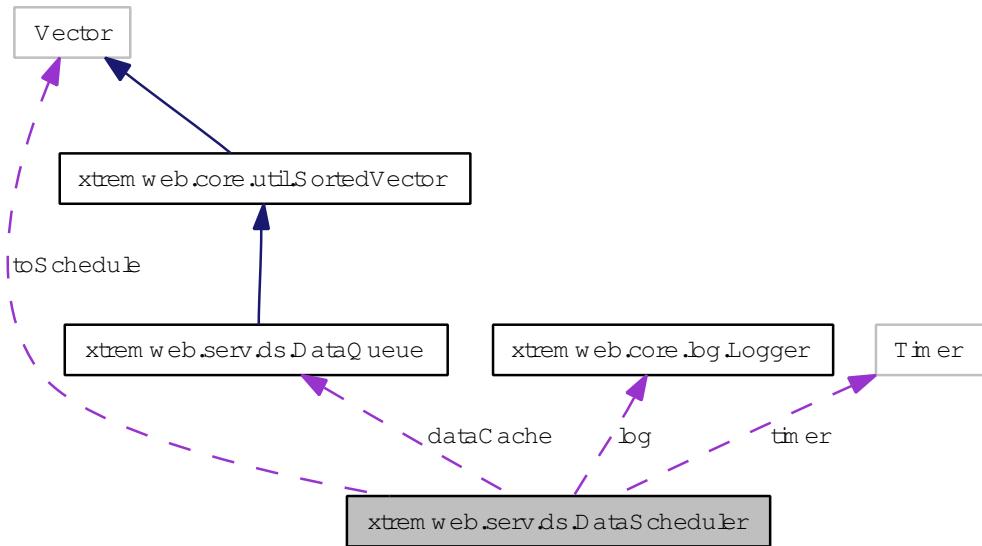
Definition at line 19 of file DataQueue.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/[DataQueue.java](#)

## 5.63 xtremweb.serv.ds.DataScheduler Class Reference

Collaboration diagram for xtremweb.serv.ds.DataScheduler:



### Public Member Functions

- `DataScheduler()`
- `void setNumberOfDataToSchedule (int num)`
- `int getNumberOfDataToSchedule ()`
- `void addDataAttribute (Data data, Attribute attr)`
- `SortedVector getDataCache ()`
- `void reset ()`
- `void resetOwners ()`
- `void updateAttribute (Attribute attr)`
- `void associateDataAttributeHost (Data data, Attribute attr, Host host)`
- `void associateDataHost (Data data, Host host)`
- `void associateDataAttribute (Data data, Attribute attr)`
- `synchronized Vector removeDataFromCache (Host host, Vector uidslist)`
- `synchronized Vector getNewDataFromCache (Host host, Vector uidslist)`
- `synchronized Vector getData (Host host, Vector uidslist)`
- `synchronized void removeData (Data data)`
- `void setAliveTimeout (long t)`

### Protected Attributes

- `Logger log = LoggerFactory.getLogger("Data Scheduler")`
- `int timeout = 500`

## Private Attributes

- [DataQueue dataCache](#)
- [Vector toSchedule](#)
- [int numberofDataToSchedule = 1](#)
- [Timer timer](#)

### 5.63.1 Detailed Description

[DataScheduler](#) implements the scheduling of data

**Author:**

[Gilles Fedak](#)

**Version:**

1.0

Definition at line 39 of file DataScheduler.java.

### 5.63.2 Constructor & Destructor Documentation

#### 5.63.2.1 [xtremweb.serv.ds.DataScheduler.DataScheduler \(\)](#)

Creates a new [DataScheduler](#) instance.

Definition at line 57 of file DataScheduler.java.

References [xtremweb.serv.ds.DataScheduler.dataCache](#).

### 5.63.3 Member Function Documentation

#### 5.63.3.1 [void xtremweb.serv.ds.DataScheduler.addDataAttribute \(Data data, Attribute attr\)](#)

Definition at line 69 of file DataScheduler.java.

References [xtremweb.core.util.SortedVector.addElement\(\)](#), and [xtremweb.serv.ds.DataScheduler.dataCache](#).

Referenced by [xtremweb.serv.ds.test.DataSchedulerTest.addDataAttributeTest\(\)](#), and [xtremweb.serv.ds.test.DataSchedulerTest.searchDataAttributeTest\(\)](#).

Here is the call graph for this function:



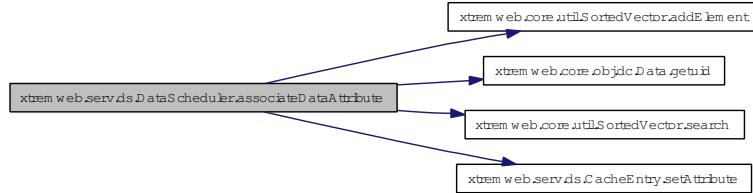
#### 5.63.3.2 [void xtremweb.serv.ds.DataScheduler.associateDataAttribute \(Data data, Attribute attr\)](#)

Definition at line 154 of file DataScheduler.java.

References [xtremweb.core.util.SortedVector.addElement\(\)](#), [xtremweb.serv.ds.DataScheduler.dataCache](#), [xtremweb.core.obj.dc.Data.getuid\(\)](#), [xtremweb.core.util.SortedVector.search\(\)](#), and [xtremweb.serv.ds.CacheEntry.setAttribute\(\)](#).

Referenced by `xtremweb.serv.ds.Callbackds.associateDataAttribute()`.

Here is the call graph for this function:



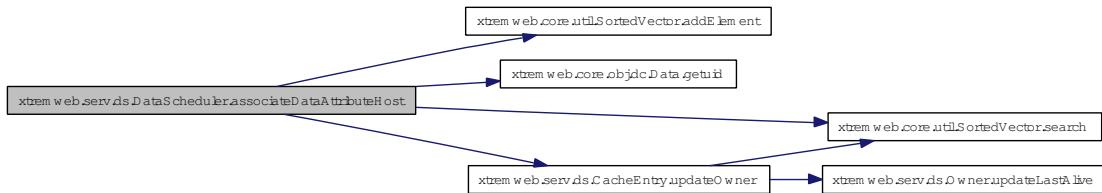
### 5.63.3.3 void xtremweb.serv.ds.DataScheduler.associateDataAttributeHost (Data *data*, Attribute *attr*, Host *host*)

Definition at line 132 of file DataScheduler.java.

References `xtremweb.core.util.SortedVector.addElement()`, `xtremweb.serv.ds.DataScheduler.dataCache`, `xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.core.util.SortedVector.search()`, and `xtremweb.serv.ds.CacheEntry.updateOwner()`.

Referenced by `xtremweb.serv.ds.Callbackds.associateDataAttributeHost()`.

Here is the call graph for this function:



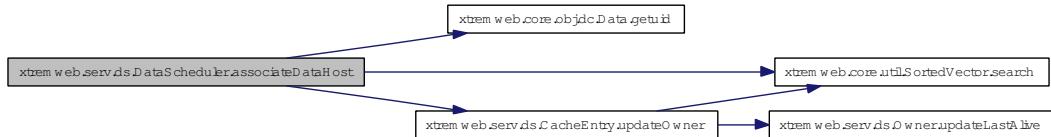
### 5.63.3.4 void xtremweb.serv.ds.DataScheduler.associateDataHost (Data *data*, Host *host*)

Definition at line 145 of file DataScheduler.java.

References `xtremweb.serv.ds.DataScheduler.dataCache`, `xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.core.util.SortedVector.search()`, and `xtremweb.serv.ds.CacheEntry.updateOwner()`.

Referenced by `xtremweb.serv.ds.Callbackds.associateDataHost()`.

Here is the call graph for this function:



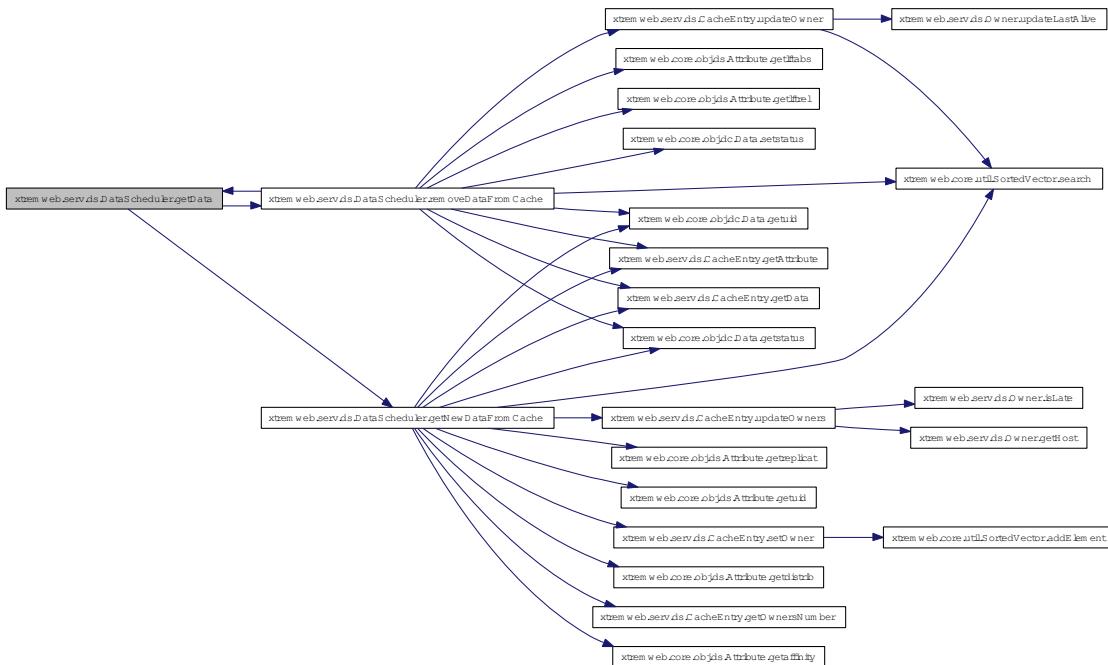
### 5.63.3.5 synchronized Vector `xtremweb.serv.ds.DataScheduler.getData (Host host, Vector uidslist)`

Definition at line 303 of file DataScheduler.java.

References `xtremweb.serv.ds.DataScheduler.getNewDataFromCache()`, and `xtremweb.serv.ds.DataScheduler.removeDataFromCache()`.

Referenced by `xtremweb.serv.ds.DataScheduler.removeDataFromCache()`, `xtremweb.serv.ds.Callbackds.sync()`, and `xtremweb.serv.ds.test.DataSchedulerTest.testSyncData()`.

Here is the call graph for this function:



### 5.63.3.6 SortedVector `xtremweb.serv.ds.DataScheduler.getDataCache ()`

Definition at line 73 of file DataScheduler.java.

References `xtremweb.serv.ds.DataScheduler.dataCache`.

Referenced by `xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals()`, `xtremweb.serv.ds.test.DataSchedulerTest.printVector()`, `xtremweb.serv.ds.test.DataSchedulerTest searchDataAttributeTest()`, `xtremweb.serv.ds.test.DataSchedulerTest.searchWronguid()`, `xtremweb.serv.ds.test.DataSchedulerTest.testDistrib()`, `xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache()`, `xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache()`, and `xtremweb.serv.ds.test.DataSchedulerTest.testSyncData()`.

### 5.63.3.7 synchronized Vector `xtremweb.serv.ds.DataScheduler.getNewDataFromCache (Host host, Vector uidslist)`

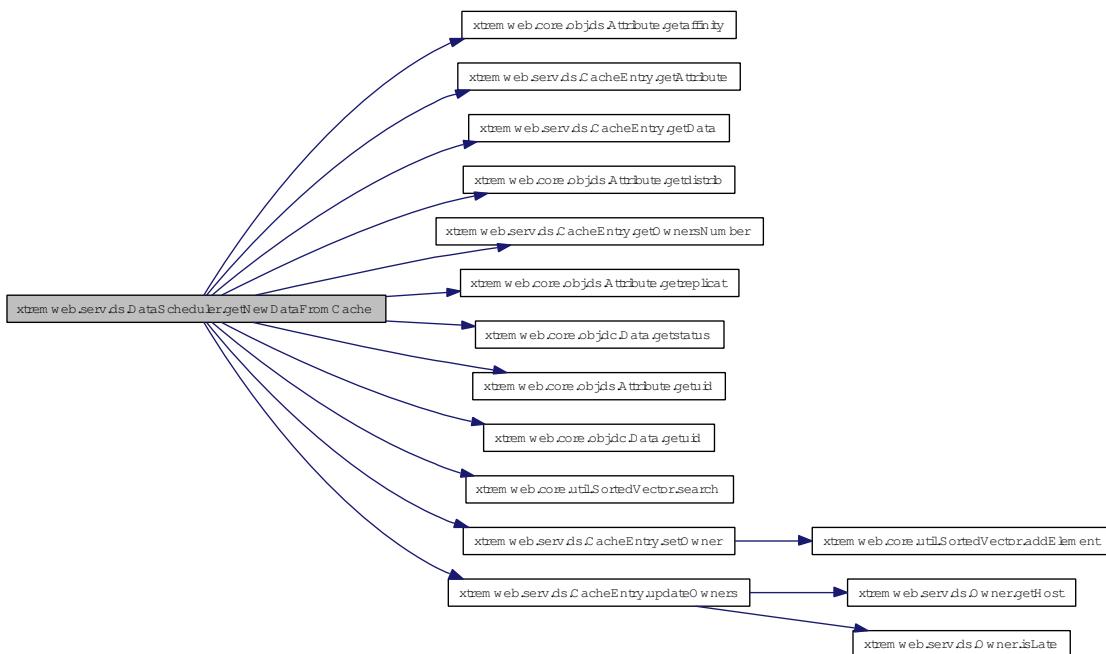
Definition at line 220 of file DataScheduler.java.

References `xtremweb.serv.ds.DataScheduler.dataCache`, `xtremweb.core.obj.ds.Attribute.getAffinity()`, `xtremweb.serv.ds.CacheEntry.getAttribute()`, and `xtremweb.serv.ds.CacheEntry.getData()`.

`xtremweb.core.obj.ds.Attribute.getdistrib()`,  
`xtremweb.core.obj.ds.Attribute.getreplicat()`,  
`xtremweb.core.obj.ds.Attribute.getuid()`,  
`xtremweb.serv.ds.DataScheduler.numberOfDataToSchedule`,  
`xtremweb.serv.ds.CacheEntry.setOwner()`, and `xtremweb.serv.ds.CacheEntry.updateOwners()`.

Referenced by `xtremweb.serv.ds.DataScheduler.getData()`, `xtremweb.serv.ds.test.DataSchedulerTest.testDistrib()`, and `xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache()`.

Here is the call graph for this function:



#### 5.63.3.8 int xtremweb.serv.ds.DataScheduler.getNumberOfDataToSchedule ()

Definition at line 65 of file DataScheduler.java.

References `xtremweb.serv.ds.DataScheduler.numberOfDataToSchedule`.

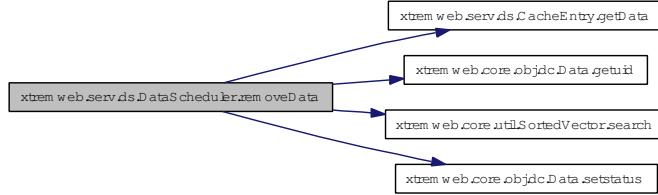
#### 5.63.3.9 synchronized void xtremweb.serv.ds.DataScheduler.removeData (Data data)

Definition at line 312 of file DataScheduler.java.

References `xtremweb.serv.ds.DataScheduler.dataCache`, `xtremweb.serv.ds.CacheEntry.getData()`, `xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.core.util.SortedVector.search()`, and `xtremweb.core.obj.dc.Data.setStatus()`.

Referenced by `xtremweb.serv.ds.Callbackds.removeData()`.

Here is the call graph for this function:



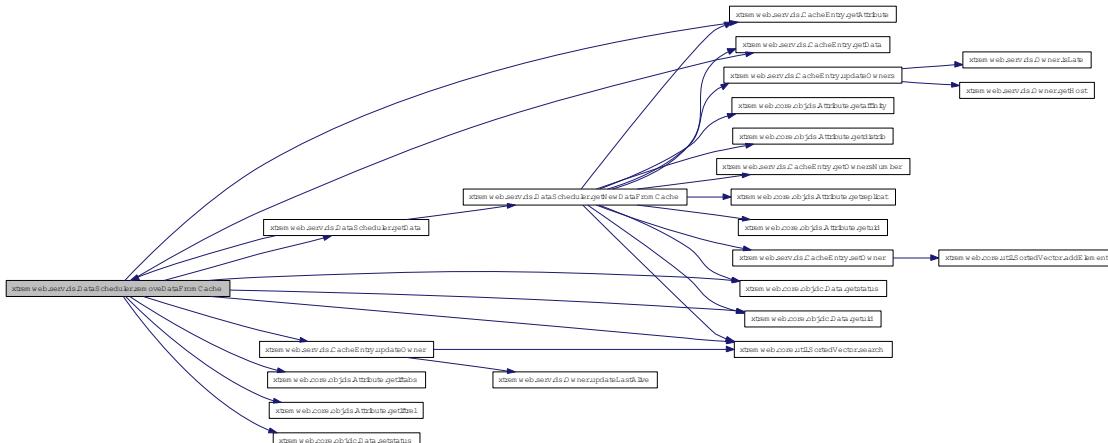
### 5.63.3.10 synchronized Vector xtremweb.serv.ds.DataScheduler.removeDataFromCache (Host host, Vector uidlist)

Definition at line 167 of file DataScheduler.java.

References xtremweb.serv.ds.DataScheduler.dataCache, xtremweb.serv.ds.CacheEntry.getAttribute(), xtremweb.serv.ds.DataScheduler.getData(), xtremweb.core.obj.ds.Attribute.getAttribute(), xtremweb.core.obj.dc.Data.getlftabs(), xtremweb.core.obj.dc.Data.getStatus(), xtremweb.core.util.SortedVector.search(), xtremweb.serv.ds.CacheEntry.updateOwner().  
 xtremweb.serv.ds.CacheEntry.getUid(), xtremweb.core.obj.ds.Attribute.getlftrel(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.core.obj.dc.Data.setStatus(), and xtremweb.serv.ds.CacheEntry.updateOwner().

Referenced by xtremweb.serv.ds.DataScheduler.getData(), xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), and xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache().

Here is the call graph for this function:



### 5.63.3.11 void xtremweb.serv.ds.DataScheduler.reset ()

Definition at line 77 of file DataScheduler.java.

References xtremweb.serv.ds.DataScheduler.dataCache.

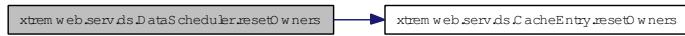
### 5.63.3.12 void xtremweb.serv.ds.DataScheduler.resetOwners ()

Definition at line 81 of file DataScheduler.java.

References `xtremweb.serv.ds.DataScheduler.dataCache`, and `xtremweb.serv.ds.CacheEntry.resetOwners()`.

Referenced by `xtremweb.serv.ds.test.DataSchedulerTest.testDistrib()`, and `xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache()`.

Here is the call graph for this function:



#### 5.63.3.13 void `xtremweb.serv.ds.DataScheduler.setAliveTimeout (long t)`

Definition at line 334 of file `DataScheduler.java`.

#### 5.63.3.14 void `xtremweb.serv.ds.DataScheduler.setNumberOfDataToSchedule (int num)`

Definition at line 61 of file `DataScheduler.java`.

References `xtremweb.serv.ds.DataScheduler.numberOfDataToSchedule`.

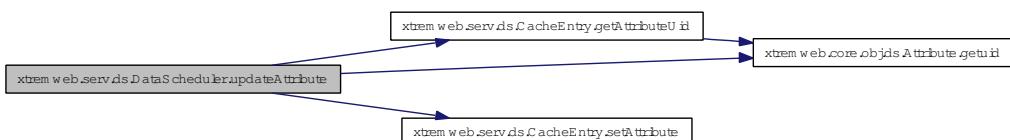
#### 5.63.3.15 void `xtremweb.serv.ds.DataScheduler.updateAttribute (Attribute attr)`

Definition at line 123 of file `DataScheduler.java`.

References `xtremweb.serv.ds.DataScheduler.dataCache`, `xtremweb.serv.ds.CacheEntry.getAttributeUid()`, `xtremweb.core.obj.ds.Attribute.getuid()`, and `xtremweb.serv.ds.CacheEntry.setAttribute()`.

Referenced by `xtremweb.serv.ds.Callbackds.registerAttribute()`.

Here is the call graph for this function:



### 5.63.4 Member Data Documentation

#### 5.63.4.1 DataQueue `xtremweb.serv.ds.DataScheduler.dataCache` [private]

Definition at line 41 of file `DataScheduler.java`.

Referenced by `xtremweb.serv.ds.DataScheduler.addDataAttribute()`, `xtremweb.serv.ds.DataScheduler.associateDataAttribute()`, `xtremweb.serv.ds.DataScheduler.associateDataAttributeHost()`, `xtremweb.serv.ds.DataScheduler.associateDataHost()`, `xtremweb.serv.ds.DataScheduler.DataScheduler()`, `xtremweb.serv.ds.DataScheduler.getDataCache()`, `xtremweb.serv.ds.DataScheduler.getNewDataFromCache()`, `xtremweb.serv.ds.DataScheduler.removeData()`, `xtremweb.serv.ds.DataScheduler.removeDataFromCache()`, `xtremweb.serv.ds.DataScheduler.reset()`, `xtremweb.serv.ds.DataScheduler.resetOwners()`, and `xtremweb.serv.ds.DataScheduler.updateAttribute()`.

**5.63.4.2 Logger xtremweb.serv.ds.DataScheduler.log = LoggerFactory.getLogger("Data Scheduler") [protected]**

Definition at line 46 of file DataScheduler.java.

**5.63.4.3 int xtremweb.serv.ds.DataScheduler.numberOfDataToSchedule = 1 [private]**

Definition at line 44 of file DataScheduler.java.

Referenced by xtremweb.serv.ds.DataScheduler.getNewDataFromCache(), xtremweb.serv.ds.DataScheduler.getNumberOfDataToSchedule(), and xtremweb.serv.ds.DataScheduler.setNumberOfDataToSched

**5.63.4.4 int xtremweb.serv.ds.DataScheduler.timeout = 500 [protected]**

time between two periodic activities (in milli seconds)

Definition at line 49 of file DataScheduler.java.

**5.63.4.5 Timer xtremweb.serv.ds.DataScheduler.timer [private]**

Definition at line 51 of file DataScheduler.java.

**5.63.4.6 Vector xtremweb.serv.ds.DataScheduler.toSchedule [private]**

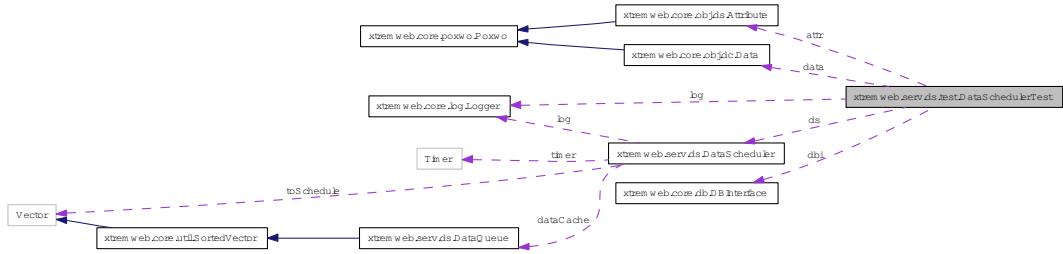
Definition at line 42 of file DataScheduler.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/[DataScheduler.java](#)

## 5.64 xtremweb.serv.ds.test.DataSchedulerTest Class Reference

Collaboration diagram for xtremweb.serv.ds.test.DataSchedulerTest:



### Public Member Functions

- void `assertVectorEquals` (Vector v, String str, DataScheduler dspace)
- void `addDataAttributeTest` ()
- void `searchDataAttributeTest` ()
- void `searchWronguid` ()
- void `testRemoveDataFromCache` ()
- void `testGetNewDataFromCache` ()
- void `testSyncData` ()
- void `testDistrib` ()

### Package Attributes

- `Logger log = LoggerFactory.getLogger("Data Scheduler Test")`
- `DataScheduler ds = new DataScheduler()`
- `DBInterface dbi = DBInterfaceFactory.getDBInterface()`
- `Data data = new Data()`
- `Attribute attr = new Attribute()`

### Private Member Functions

- void `printVector` (Vector in, Vector out, DataScheduler dspace)
- void `assertVectorEquals` (Vector v1, Data...data)
- void `assertVectorContains` (Vector v1, Data...data)
- void `assertVectorContains` (Vector v1, Vector v2)
- void `print` (Vector< String >...vectors)

#### 5.64.1 Detailed Description

Describe class `DataSchedulerTest` here.

Created: Mon Oct 8 11:35:41 2007

#### Author:

Gilles Fedak

**Version:**

1.0

Definition at line 28 of file DataSchedulerTest.java.

## 5.64.2 Member Function Documentation

### 5.64.2.1 void xtremweb.serv.ds.test.DataSchedulerTest.addDataAttribute()

Definition at line 133 of file DataSchedulerTest.java.

References xtremweb.serv.ds.DataScheduler.addDataAttribute(), xtremweb.serv.ds.test.DataSchedulerTest.attr, xtremweb.serv.ds.test.DataSchedulerTest.data, xtremweb.serv.ds.test.DataSchedulerTest.dbi, xtremweb.serv.ds.test.DataSchedulerTest.ds, and xtremweb.core.db.DBInterface.makePersistent().

Here is the call graph for this function:



### 5.64.2.2 void xtremweb.serv.ds.test.DataSchedulerTest.assertVectorContains (Vector v1, Vector v2) [private]

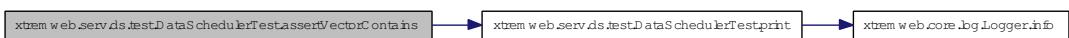
Definition at line 1665 of file DataSchedulerTest.java.

### 5.64.2.3 void xtremweb.serv.ds.test.DataSchedulerTest.assertVectorContains (Vector v1, Data... data) [private]

Definition at line 1655 of file DataSchedulerTest.java.

References xtremweb.serv.ds.test.DataSchedulerTest.data, and xtremweb.serv.ds.test.DataSchedulerTest.print().

Here is the call graph for this function:



### 5.64.2.4 void xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals (Vector v1, Data... data) [private]

Definition at line 1646 of file DataSchedulerTest.java.

References xtremweb.serv.ds.test.DataSchedulerTest.data, and xtremweb.serv.ds.test.DataSchedulerTest.print().

Here is the call graph for this function:



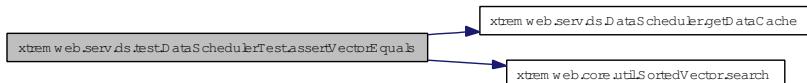
#### 5.64.2.5 void xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals (Vector *v*, String *str*, DataScheduler *dspace*)

Definition at line 81 of file DataSchedulerTest.java.

References xtremweb.serv.ds.DataScheduler.getDataCache(), and xtremweb.core.util.SortedVector.search().

Referenced by xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewData(), xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache(), and xtremweb.serv.ds.test.DataSchedulerTest.testSyncData().

Here is the call graph for this function:



#### 5.64.2.6 void xtremweb.serv.ds.test.DataSchedulerTest.print (Vector< String >... *vectors*) [private]

Definition at line 1671 of file DataSchedulerTest.java.

References xtremweb.core.log.Logger.info(), and xtremweb.serv.ds.test.DataSchedulerTest.log.

Referenced by xtremweb.serv.ds.test.DataSchedulerTest.assertVectorContains(), and xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals().

Here is the call graph for this function:

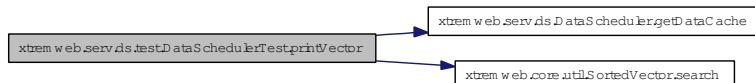


#### 5.64.2.7 void xtremweb.serv.ds.test.DataSchedulerTest.printVector (Vector *in*, Vector *out*, DataScheduler *dspace*) [private]

Definition at line 37 of file DataSchedulerTest.java.

References xtremweb.serv.ds.DataScheduler.getDataCache(), and xtremweb.core.util.SortedVector.search().

Here is the call graph for this function:



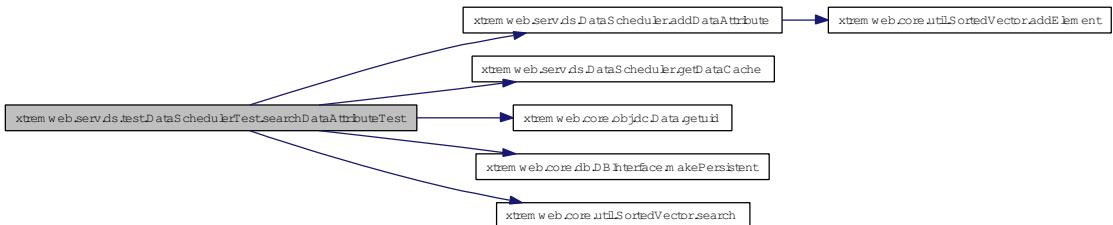
#### 5.64.2.8 void xtremweb.serv.ds.test.DataSchedulerTest searchDataAttributeTest ()

Definition at line 139 of file DataSchedulerTest.java.

References xtremweb.serv.ds.DataScheduler.addDataAttribute(), xtremweb.serv.ds.test.DataSchedulerTest.attr, xtremweb.serv.ds.test.DataSchedulerTest.data, and xtremweb.serv.ds.test.DataSchedulerTest.dbi,

xtremweb.serv.ds.test.DataSchedulerTest.ds, xtremweb.serv.ds.DataScheduler.getDataCache(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.core.db.DBInterface.makePersistent(), and xtremweb.core.util.SortedVector.search().

Here is the call graph for this function:

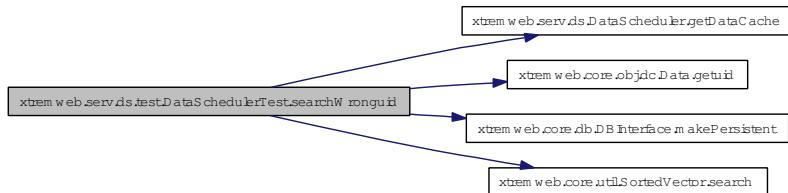


#### 5.64.2.9 void xtremweb.serv.ds.test.DataSchedulerTest.searchWronguid()

Definition at line 148 of file DataSchedulerTest.java.

References xtremweb.serv.ds.test.DataSchedulerTest.dbi, xtremweb.serv.ds.test.DataSchedulerTest.ds, xtremweb.serv.ds.DataScheduler.getDataCache(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.core.db.DBInterface.makePersistent(), and xtremweb.core.util.SortedVector.search().

Here is the call graph for this function:

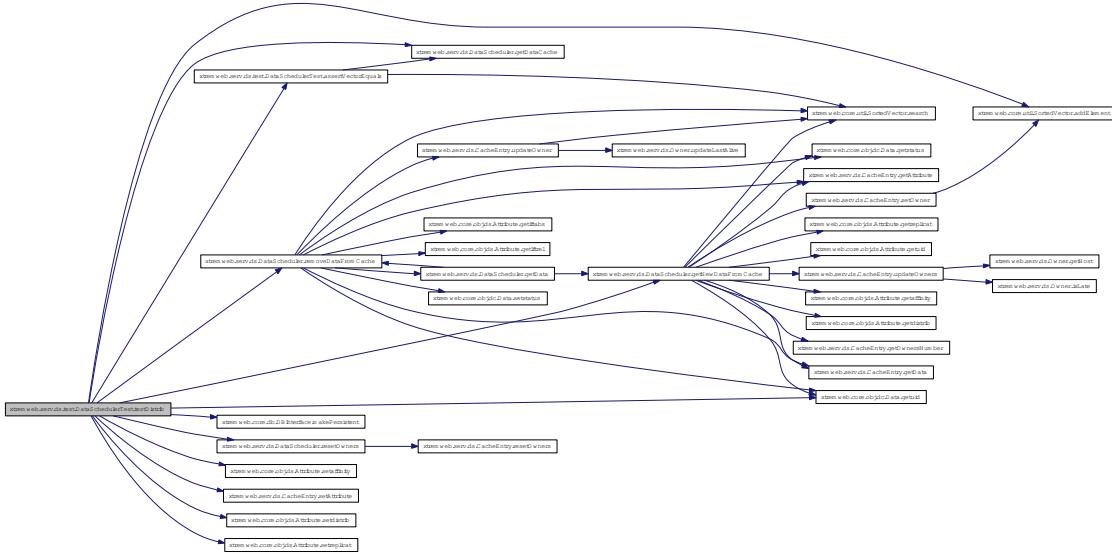


#### 5.64.2.10 void xtremweb.serv.ds.test.DataSchedulerTest.testDistrib()

Definition at line 1340 of file DataSchedulerTest.java.

References xtremweb.core.util.SortedVector.addElement(), xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals(), xtremweb.serv.ds.test.DataSchedulerTest.dbi, xtremweb.serv.ds.test.DataSchedulerTest.ds, xtremweb.serv.ds.DataScheduler.getDataCache(), xtremweb.serv.ds.DataScheduler.getNewDataFromCache(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.core.db.DBInterface.makePersistent(), xtremweb.serv.ds.DataScheduler.removeDataFromCache(), xtremweb.serv.ds.DataScheduler.resetOwners(), xtremweb.core.obj.ds.Attribute.setaffinity(), xtremweb.serv.ds.CacheEntry.setAttribute(), xtremweb.core.obj.ds.Attribute.setdistrib(), and xtremweb.core.obj.ds.Attribute.setreplicat().

Here is the call graph for this function:

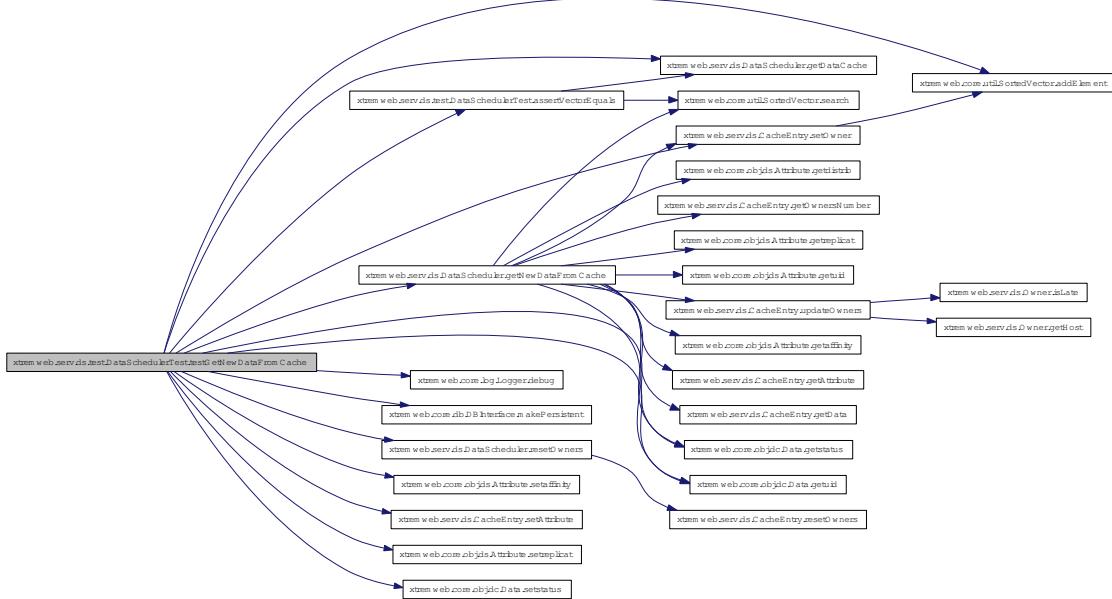


### 5.64.2.11 void xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache ()

Definition at line 365 of file DataSchedulerTest.java.

References `xtremweb.core.util.SortedVector.addElement()`, `xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals()`, `xtremweb.serv.ds.test.DataSchedulerTest.attr`, `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.ds.DataScheduler.getDataCache()`, `xtremweb.serv.ds.DataScheduler.getNewDataFromCache()`, `xtremweb.core.obj.dc.Data.getStatus()`, `xtremweb.serv.ds.test.DataSchedulerTest.log`, `xtremweb.serv.ds.DataScheduler.resetOwners()`, `xtremweb.serv.ds.CacheEntry.setAttribute()`, `xtremweb.core.obj.ds.Attribute.setReplicat()`, and `xtremweb.core.obj.dc.Data.setStatus()`.

Here is the call graph for this function:

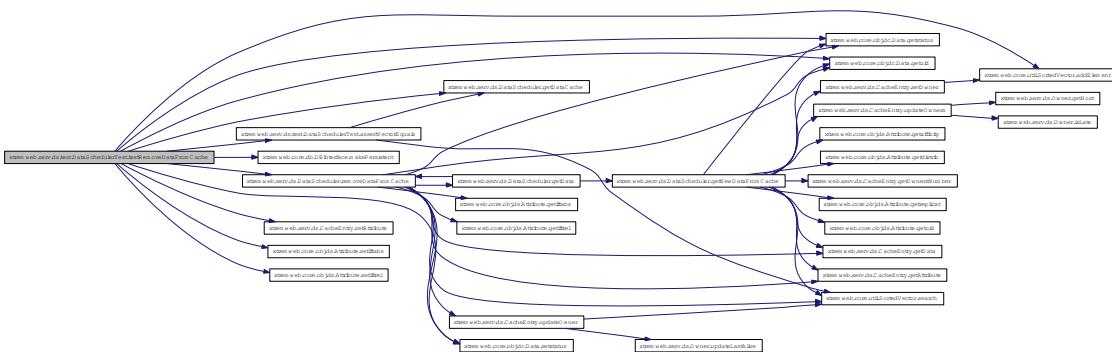


### 5.64.2.12 void xtremweb.serv.ds.test.DataSchedulerTest testDataFromCache ()

Definition at line 156 of file DataSchedulerTest.java.

References `xtremweb.core.util.SortedVector.addElement()`, `xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals()`, `xtremweb.serv.ds.test.DataSchedulerTest.getAttribute()`, `xtremweb.serv.ds.test.DataSchedulerTest.getAttribute()`, `xtremweb.serv.ds.DataScheduler.getDataCache()`, `xtremweb.core.db.DBInterface.makePersistent()`, `xtremweb.serv.ds.DataScheduler.removeDataFromCache()`, `xtremweb.serv.ds.CacheEntry.setAttribute()`, `xtremweb.core.obj.ds.Attribute.setIftabs()`, `xtremweb.core.obj.ds.Attribute.setIftrel()`, and `xtremweb.core.obj.dc.Data.setStatus()`.

Here is the call graph for this function:

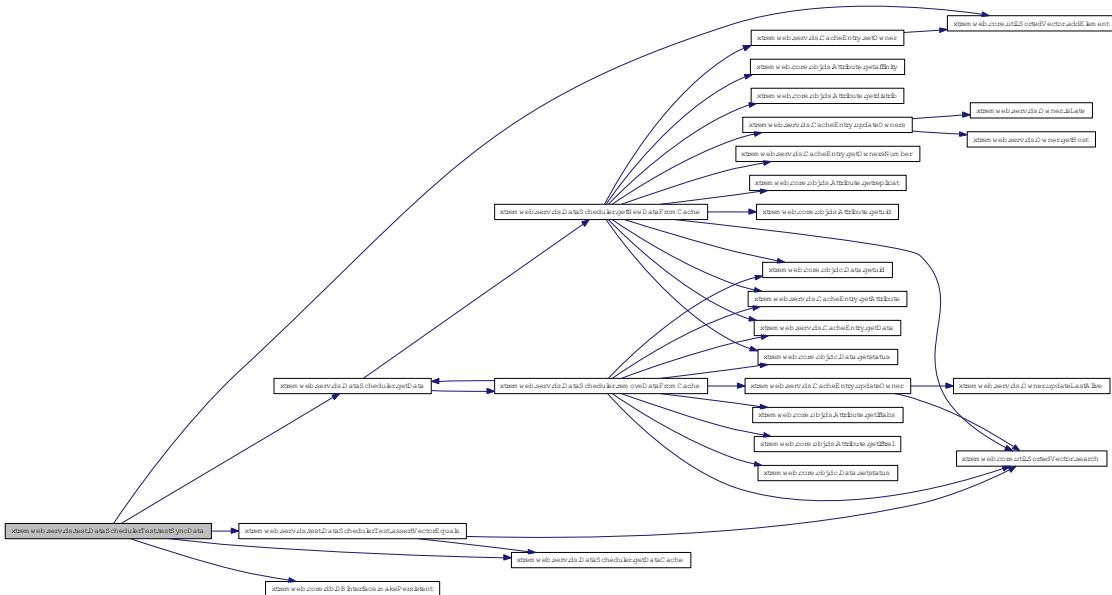


#### **5.64.2.13 void xtremweb.serv.ds.test.DataSchedulerTest.testSyncData ()**

Definition at line 1278 of file DataSchedulerTest.java.

References `xtremweb.core.util.SortedVector.addElement()`, `xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals()`,  
`xtremweb.serv.ds.test.DataSchedulerTest.attr`, `xtremweb.serv.ds.test.DataSchedulerTest.dbi`,  
`xtremweb.serv.ds.test.DataSchedulerTest.ds`, `xtremweb.serv.ds.DataScheduler.getData()`,  
`xtremweb.serv.ds.DataScheduler.getDataCache()`, and `xtremweb.core.db.DBInterface.makePersistent()`.

Here is the call graph for this function:



### 5.64.3 Member Data Documentation

**5.64.3.1 Attribute xtremweb.serv.ds.test.DataSchedulerTest.attr = new Attribute()** [package]

Definition at line 35 of file DataSchedulerTest.java.

Referenced by xtremweb.serv.ds.test.DataSchedulerTest.addDataAttributeTest(),  
xtremweb.serv.ds.test.DataSchedulerTest.searchDataAttributeTest(), xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(),  
xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testRemoveL  
and xtremweb.serv.ds.test.DataSchedulerTest.testSyncData().

**5.64.3.2 Data xtremweb.serv.ds.test.DataSchedulerTest.data = new Data()** [package]

Definition at line 34 of file DataSchedulerTest.java.

Referenced by xtremweb.serv.ds.test.DataSchedulerTest.addDataAttributeTest(),  
xtremweb.serv.ds.test.DataSchedulerTest.assertVectorContains(), xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals()  
and xtremweb.serv.ds.test.DataSchedulerTest.searchDataAttributeTest().

**5.64.3.3 DBInterface xtremweb.serv.ds.test.DataSchedulerTest.dbi =  
DBInterfaceFactory.getDBInterface() [package]**

Definition at line 33 of file DataSchedulerTest.java.

Referenced by xtremweb.serv.ds.test.DataSchedulerTest.addDataAttributeTest(), xtremweb.serv.ds.test.DataSchedulerTest.searchDataAttributeTest(), xtremweb.serv.ds.test.DataSchedulerTest.searchWrongguid(), xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testSyncData(). and xtremweb.serv.ds.test.DataSchedulerTest.testSyncData().

**5.64.3.4 DataScheduler xtremweb.serv.ds.test.DataSchedulerTest.ds = new DataScheduler()  
[package]**

Definition at line 32 of file DataSchedulerTest.java.

Referenced by xtremweb.serv.ds.test.DataSchedulerTest.addDataAttributeTest(), xtremweb.serv.ds.test.DataSchedulerTest.searchDataAttributeTest(), xtremweb.serv.ds.test.DataSchedulerTest.searchWrongguid(), xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testSyncData(). and xtremweb.serv.ds.test.DataSchedulerTest.testSyncData().

**5.64.3.5 Logger xtremweb.serv.ds.test.DataSchedulerTest.log = LoggerFactory.getLogger("Data  
Scheduler Test") [package]**

Definition at line 30 of file DataSchedulerTest.java.

Referenced by xtremweb.serv.ds.test.DataSchedulerTest.print(), and xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/test/[DataSchedulerTest.java](#)

## 5.65 xtremweb.serv.dc.DataStatus Class Reference

### Static Public Member Functions

- static String [toString](#) (int type)

### Static Public Attributes

- static final int [LOCK](#) = 0
- static final int [RELEASED](#) = 1
- static final int [TODELETE](#) = 2

### Static Private Attributes

- static final String[ ] [strings](#) = { "LOCK", "RELEASED", "TODELETE" }

#### 5.65.1 Detailed Description

[DataStatus](#) is a set of static integer representing the various status of a transfer.

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 11 of file DataStatus.java.

#### 5.65.2 Member Function Documentation

##### 5.65.2.1 static String xtremweb.serv.dc.DataStatus.toString (int *type*) [static]

*toString* returns the name of the status.

**Parameters:**

*type* an int value

**Returns:**

a String value

Definition at line 40 of file DataStatus.java.

References xtremweb.serv.dc.DataStatus.strings.

### 5.65.3 Member Data Documentation

#### 5.65.3.1 final int xtremweb.serv.dc.DataStatus.LOCK = 0 [static]

LOCK Data is locked by a process.

Definition at line 17 of file DataStatus.java.

#### 5.65.3.2 final int xtremweb.serv.dc.DataStatus.RELEASED = 1 [static]

RELEASED data is free to be used

Definition at line 23 of file DataStatus.java.

#### 5.65.3.3 final String [] xtremweb.serv.dc.DataStatus.strings = { "LOCK", "RELEASED", "TODELETE" } [static, private]

Definition at line 32 of file DataStatus.java.

Referenced by xtremweb.serv.dc.DataStatus.toString().

#### 5.65.3.4 final int xtremweb.serv.dc.DataStatus.TODELETE = 2 [static]

TODELETE data is ready to be deleted.

Definition at line 29 of file DataStatus.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dc/[DataStatus.java](#)

## 5.66 xtremweb.serv.dc.DataUtil Class Reference

### Public Member Functions

- [DataUtil \(\)](#)

### Static Public Member Functions

- static String [toString \(Data data\)](#)
- static String [checksum \(File f\)](#)
- static String [toHex \(byte\[ \] data, int length\)](#)
- static String [toHex \(byte\[ \] data\)](#)
- static [Data fileToData \(File file\)](#)
- static void [main \(String\[ \] args\)](#)

### Static Private Attributes

- static String [digits = "0123456789ABCDEF"](#)

#### 5.66.1 Detailed Description

[DataUtil](#) is a set ogf utility methods.

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 26 of file DataUtil.java.

#### 5.66.2 Constructor & Destructor Documentation

##### 5.66.2.1 xtremweb.serv.dc.DataUtil.DataUtil ()

Creates a new [DataUtil](#) instance.

Definition at line 34 of file DataUtil.java.

#### 5.66.3 Member Function Documentation

##### 5.66.3.1 static String xtremweb.serv.dc.DataUtil.checksum (File f) [static]

checksum computes the MD5 digest of a file.

##### Parameters:

*f* a [File](#) value

**Returns:**

a String value

Definition at line 54 of file DataUtil.java.

Referenced by xtremweb.serv.dc.DataUtil.fileToData(), and xtremweb.serv.dc.DataUtil.main().

**5.66.3.2 static Data xtremweb.serv.dc.DataUtil.fileToData (File *file*) [static]**

fileToData converts a File to a Data

**Parameters:**

*file* a File value

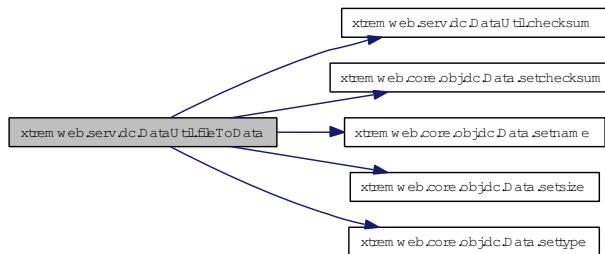
**Returns:**

a Data value

Definition at line 102 of file DataUtil.java.

References xtremweb.serv.dc.DataUtil.checksum(), xtremweb.core.obj.dc.Data.setchecksum(), xtremweb.core.obj.dc.Data.setname(), xtremweb.core.obj.dc.Data.setsize(), and xtremweb.core.obj.dc.Data.settype().

Here is the call graph for this function:

**5.66.3.3 static void xtremweb.serv.dc.DataUtil.main (String[] *args*) [static]**

main tests the class (the checksum)

**Parameters:**

*args* a String[] value

Definition at line 117 of file DataUtil.java.

References xtremweb.serv.dc.DataUtil.checksum().

Here is the call graph for this function:



#### 5.66.3.4 static String xtremweb.serv.dc.DataUtil.toHex (byte[ ] *data*) [static]

Definition at line 92 of file DataUtil.java.

References xtremweb.serv.dc.DataUtil.toHex().

Here is the call graph for this function:



#### 5.66.3.5 static String xtremweb.serv.dc.DataUtil.toHex (byte[ ] *data*, int *length*) [static]

Definition at line 82 of file DataUtil.java.

References xtremweb.serv.dc.DataUtil.digits.

Referenced by xtremweb.serv.dc.DataUtil.toHex().

#### 5.66.3.6 static String xtremweb.serv.dc.DataUtil.toString (Data *data*) [static]

*toString*.

##### Parameters:

*data* a Data value

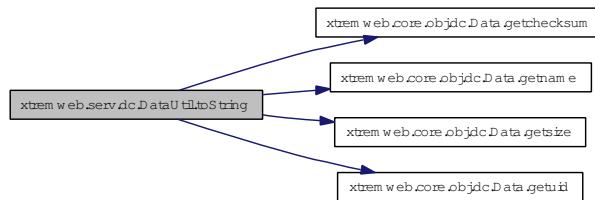
##### Returns:

a String value

Definition at line 44 of file DataUtil.java.

References xtremweb.core.obj.dc.Data.getchecksum(), xtremweb.core.obj.dc.Data.getname(), xtremweb.core.obj.dc.Data.getsize(), and xtremweb.core.obj.dc.Data.getuid().

Here is the call graph for this function:



### 5.66.4 Member Data Documentation

#### 5.66.4.1 String xtremweb.serv.dc.DataUtil.digits = "0123456789ABCDEF" [static, private]

Definition at line 28 of file DataUtil.java.

Referenced by xtremweb.serv.dc.DataUtil.toHex().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dc/[DataUtil.java](#)

## 5.67 xtremweb.core.db.DBInterface Class Reference

### Public Member Functions

- [DBInterface \(\)](#)
- [void makePersistent \(Object obj\)](#)
- [Collection getExtent \(Class objClass\)](#)
- [Collection getExtent \(Class objClass, String jdoql\)](#)

#### 5.67.1 Detailed Description

Definition at line 26 of file DBInterface.java.

#### 5.67.2 Constructor & Destructor Documentation

##### 5.67.2.1 xtremweb.core.db.DBInterface.DBInterface ()

Definition at line 28 of file DBInterface.java.

#### 5.67.3 Member Function Documentation

##### 5.67.3.1 Collection xtremweb.core.db.DBInterface.getExtent (Class *objClass*, String *jdoql*)

Definition at line 80 of file DBInterface.java.

##### 5.67.3.2 Collection xtremweb.core.db.DBInterface.getExtent (Class *objClass*)

Definition at line 54 of file DBInterface.java.

##### 5.67.3.3 void xtremweb.core.db.DBInterface.makePersistent (Object *obj*)

Definition at line 34 of file DBInterface.java.

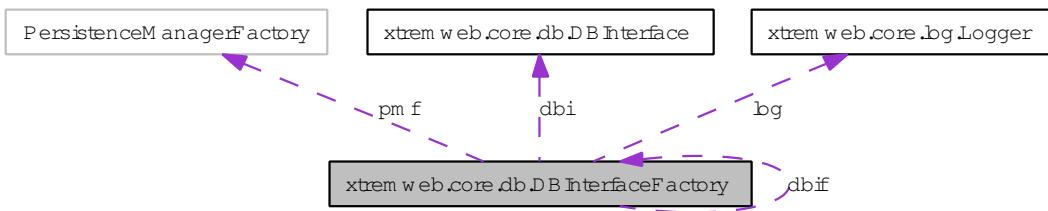
Referenced by xtremweb.serv.ds.test.DataSchedulerTest.addDataAttributeTest(),  
xtremweb.core.db.test.DBInterfaceTest.makePersistent(), xtremweb.serv.ds.test.DataSchedulerTest.searchDataAttributeTest(),  
xtremweb.serv.ds.test.DataSchedulerTest.searchWronguid(), xtremweb.serv.ds.test.AttributeTypeTest.setAttributeTypeTestAll(),  
xtremweb.serv.ds.test.AttributeTypeTest.setAttributeTypeTestIndividualOnOff(),  
xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache(),  
xtremweb.serv.ds.test.CacheEntryTest.testLastAlive(), xtremweb.serv.ds.test.CacheEntryTest.testOwners(),  
xtremweb.serv.ds.test.DataSchedulerTest.testRemoveDataFromCache(), and  
xtremweb.serv.ds.test.DataSchedulerTest.testSyncData().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/db/[DBInterface.java](#)

## 5.68 xtremweb.core.db.DBInterfaceFactory Class Reference

Collaboration diagram for xtremweb.core.db.DBInterfaceFactory:



### Public Member Functions

- [DBInterfaceFactory \(\)](#)

### Static Public Member Functions

- static PersistenceManagerFactory [getPersistenceManagerFactory \(\)](#)
- static [DBInterfaceFactory getDBInterfaceFactory \(\)](#)
- static [DBInterface getDBInterface \(\)](#)

### Static Protected Attributes

- static [Logger log = LoggerFactory.getLogger\(DBInterfaceFactory.class\)](#)

### Static Package Functions

- [\[static initializer\]](#)

### Static Private Attributes

- static [DBInterface dbi](#)
- static [DBInterfaceFactory dbif](#)
- static PersistenceManagerFactory [pmf](#)

### 5.68.1 Detailed Description

Definition at line 22 of file DBInterfaceFactory.java.

### 5.68.2 Constructor & Destructor Documentation

#### 5.68.2.1 xtremweb.core.db.DBInterfaceFactory.DBInterfaceFactory()

Definition at line 34 of file DBInterfaceFactory.java.

References xtremweb.core.db.DBInterfaceFactory.dbi, xtremweb.core.log.Logger.debug(), xtremweb.core.db.DBInterfaceFactory.log, and xtremweb.core.db.DBInterfaceFactory.pmf.

Here is the call graph for this function:



### 5.68.3 Member Function Documentation

**5.68.3.1 xtremweb.core.db.DBInterfaceFactory.[static initializer] () [static, package]**

**5.68.3.2 static DBInterface xtremweb.core.db.DBInterfaceFactory.getDBInterface () [static]**

Definition at line 76 of file DBInterfaceFactory.java.

References xtremweb.core.db.DBInterfaceFactory.dbi.

**5.68.3.3 static DBInterfaceFactory xtremweb.core.db.DBInterfaceFactory.getDBInterfaceFactory () [static]**

Definition at line 72 of file DBInterfaceFactory.java.

References xtremweb.core.db.DBInterfaceFactory.dbif.

**5.68.3.4 static PersistenceManagerFactory xtremweb.core.db.DBInterfaceFactory.getPersistenceManagerFactory () [static]**

Definition at line 68 of file DBInterfaceFactory.java.

References xtremweb.core.db.DBInterfaceFactory.pmf.

### 5.68.4 Member Data Documentation

**5.68.4.1 DBInterface xtremweb.core.db.DBInterfaceFactory.dbi [static, private]**

Definition at line 24 of file DBInterfaceFactory.java.

Referenced by xtremweb.core.db.DBInterfaceFactory.DBInterfaceFactory(), and xtremweb.core.db.DBInterfaceFactory.getDBInterface().

**5.68.4.2 DBInterfaceFactory xtremweb.core.db.DBInterfaceFactory.dbif [static, private]**

Definition at line 25 of file DBInterfaceFactory.java.

Referenced by xtremweb.core.db.DBInterfaceFactory.getDBInterfaceFactory().

**5.68.4.3 Logger xtremweb.core.db.DBInterfaceFactory.log = LoggerFactory.getLogger(DBInterfaceFactory.class) [static, protected]**

Definition at line 28 of file DBInterfaceFactory.java.

Referenced by xtremweb.core.db.DBInterfaceFactory.DBInterfaceFactory().

**5.68.4.4 PersistenceManagerFactory xtremweb.core.db.DBInterfaceFactory.pmf [static, private]**

Definition at line 26 of file DBInterfaceFactory.java.

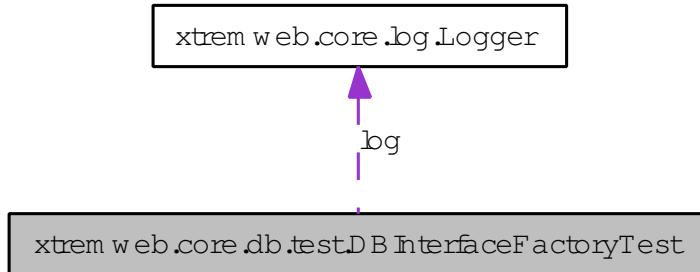
Referenced by xtremweb.core.db.DBInterfaceFactory.DBInterfaceFactory(), and xtremweb.core.db.DBInterfaceFactory.getPersistenceManagerFactory().

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

- /Users/fedak/shared/projects/bitmew/trunk-1/src/xtremweb/core/db/[DBInterfaceFactory.java](#)

## 5.69 xtremweb.core.db.test.DBInterfaceFactoryTest Class Reference

Collaboration diagram for xtremweb.core.db.test.DBInterfaceFactoryTest:



### Public Member Functions

- void [getDBInterface \(\)](#)

### Package Attributes

- [Logger log = LoggerFactory.getLogger\(DBInterfaceFactoryTest.class\)](#)

#### 5.69.1 Detailed Description

Describe class [DBInterfaceFactoryTest](#) here.

Created: Mon Oct 8 11:52:21 2007

##### Author:

[Gilles Fedak](#)

##### Version:

1.0

Definition at line 20 of file [DBInterfaceFactoryTest.java](#).

#### 5.69.2 Member Function Documentation

##### 5.69.2.1 void [xtremweb.core.db.test.DBInterfaceFactoryTest.getDBInterface \(\)](#)

Definition at line 24 of file [DBInterfaceFactoryTest.java](#).

### 5.69.3 Member Data Documentation

**5.69.3.1 Logger** `xtremweb.core.db.test.DBInterfaceFactoryTest.log = LoggerFactory.getLogger(DBInterfaceFactoryTest.class)` [package]

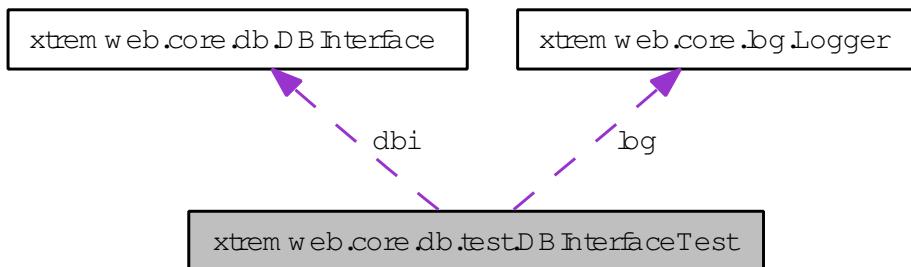
Definition at line 22 of file DBInterfaceFactoryTest.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/db/test/[DBInterfaceFactoryTest.java](#)

## 5.70 xtremweb.core.db.test.DBInterfaceTest Class Reference

Collaboration diagram for xtremweb.core.db.test.DBInterfaceTest:



### Public Member Functions

- void [getDBInterface\(\)](#)
- void [makePersistent\(\)](#)

### Package Attributes

- `Logger log = LoggerFactory.getLogger(DBInterfaceTest.class)`
- `DBInterface dbi = DBInterfaceFactory.getDBInterface()`

#### 5.70.1 Detailed Description

Describe class `DBInterfaceFactoryTest` here.

Created: Mon Oct 8 11:52:21 2007

#### Author:

[Gilles Fedak](#)

#### Version:

1.0

Definition at line 25 of file `DBInterfaceTest.java`.

#### 5.70.2 Member Function Documentation

##### 5.70.2.1 void xtremweb.core.db.test.DBInterfaceTest.getDBInterface ()

Definition at line 30 of file `DBInterfaceTest.java`.

References `xtremweb.core.db.test.DBInterfaceTest.dbi`.

### 5.70.2.2 void xtremweb.core.db.test.DBInterfaceTest.makePersistent ()

Definition at line 36 of file DBInterfaceTest.java.

References xtremweb.core.db.test.DBInterfaceTest.dbi, and xtremweb.core.db.DBInterface.makePersistent().

Here is the call graph for this function:



## 5.70.3 Member Data Documentation

### 5.70.3.1 DBInterface xtremweb.core.db.test.DBInterfaceTest.dbi = DBInterfaceFactory.getDBInterface() [package]

Definition at line 28 of file DBInterfaceTest.java.

Referenced by xtremweb.core.db.test.DBInterfaceTest.getDBInterface(), and xtremweb.core.db.test.DBInterfaceTest.makePersistent().

### 5.70.3.2 Logger xtremweb.core.db.test.DBInterfaceTest.log = LoggerFactory.getLogger(DBInterfaceTest.class) [package]

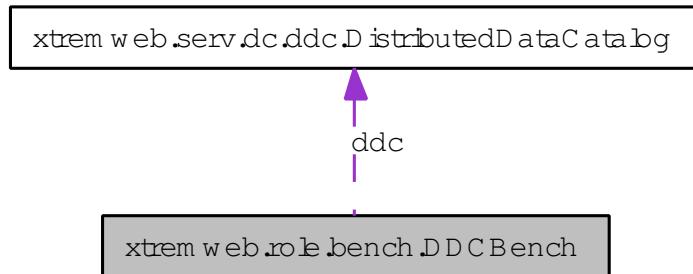
Definition at line 27 of file DBInterfaceTest.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/db/test/[DBInterfaceTest.java](#)

## 5.71 xtremweb.role.bench.DDCBench Class Reference

Collaboration diagram for xtremweb.role.bench.DDCBench:



### Static Public Member Functions

- static void [main](#) (String[ ] args) throws Exception

### Static Protected Attributes

- static [DistributedDataCatalog](#) ddc = null

#### 5.71.1 Detailed Description

Definition at line 16 of file DDCBench.java.

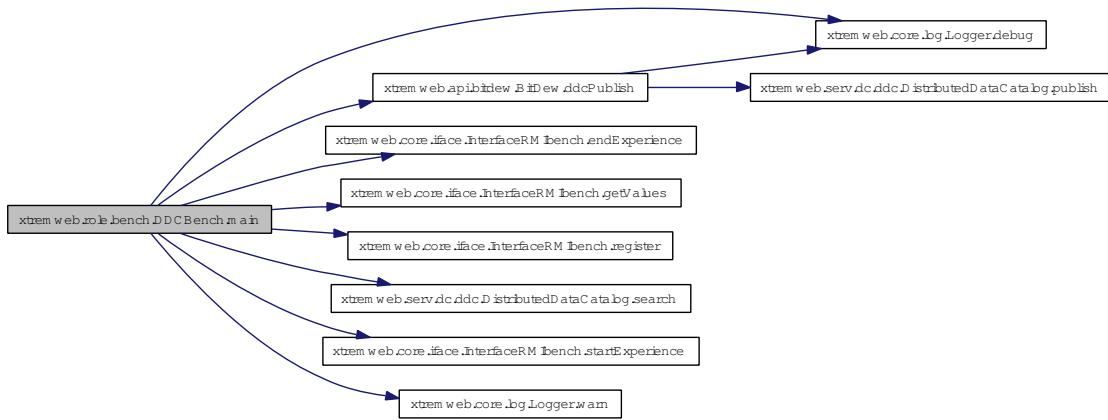
#### 5.71.2 Member Function Documentation

##### 5.71.2.1 static void xtremweb.role.bench.DDCBench.main (String[ ] args) throws Exception [static]

Definition at line 20 of file DDCBench.java.

References xtremweb.role.bench.DDCBench.ddc, xtremweb.api.bitdew.BitDew.ddcPublish(), xtremweb.core.log.Logger.debug(), xtremweb.core iface.InterfaceRMIBench.endExperience(), xtremweb.core iface.InterfaceRMIBench.getValues(), xtremweb.core iface.InterfaceRMIBench.register(), xtremweb.serv.dc.ddc.DistributedDataCatalog.search(), xtremweb.core iface.InterfaceRMIBench.startExperience(), and xtremweb.core log.Logger.warn().

Here is the call graph for this function:



### 5.71.3 Member Data Documentation

#### 5.71.3.1 DistributedDataCatalog `xtremweb.role.bench.DDCBench.ddc = null` [static, protected]

Definition at line 18 of file DDCBench.java.

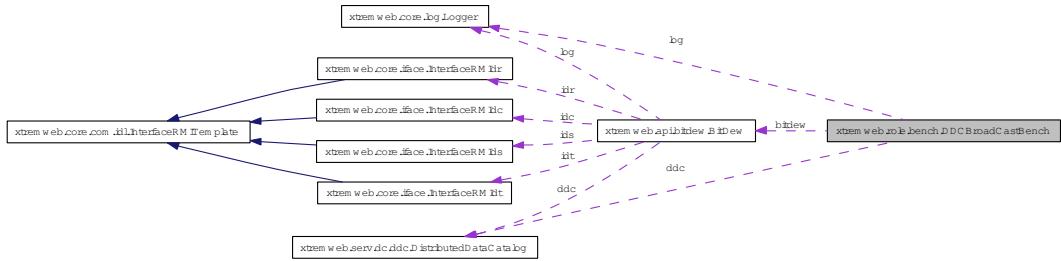
Referenced by `xtremweb.role.bench.DDCBench.main()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/bench/[DDCBench.java](#)

## 5.72 xtremweb.role.bench.DDCBroadCastBench Class Reference

Collaboration diagram for xtremweb.role.bench.DDCBroadCastBench:



### Public Member Functions

- **DDCBroadCastBench (BitDew bd)**
- boolean **verifyFile** (int taille, int rang, int loop)
- void **BroadCastBenchGetData** (int size, int loop, String output, **Data** dataToBc) throws BitDewException

### Static Public Member Functions

- static void **main** (String[ ] args) throws Exception

### Static Public Attributes

- static **Logger log** = LoggerFactory.getLogger(DDCBroadCastBench.class)
- static final String **DEFAULT\_TEMP\_DIR\_NAME** = "."
- static String **tempDirName** = **DEFAULT\_TEMP\_DIR\_NAME**

### Protected Attributes

- **BitDew bitdew**

### Static Protected Attributes

- static **DistributedDataCatalog ddc** = null

### Static Private Attributes

- static **PrintStream os**

#### 5.72.1 Detailed Description

Definition at line 17 of file DDCBroadCastBench.java.

## 5.72.2 Constructor & Destructor Documentation

### 5.72.2.1 xtremweb.role.bench.DDCBroadCastBench.DDCBroadCastBench (BitDew *bd*)

Definition at line 23 of file DDCBroadCastBench.java.

References xtremweb.role.bench.DDCBroadCastBench.bitdew.

Referenced by xtremweb.role.bench.DDCBroadCastBench.main().

## 5.72.3 Member Function Documentation

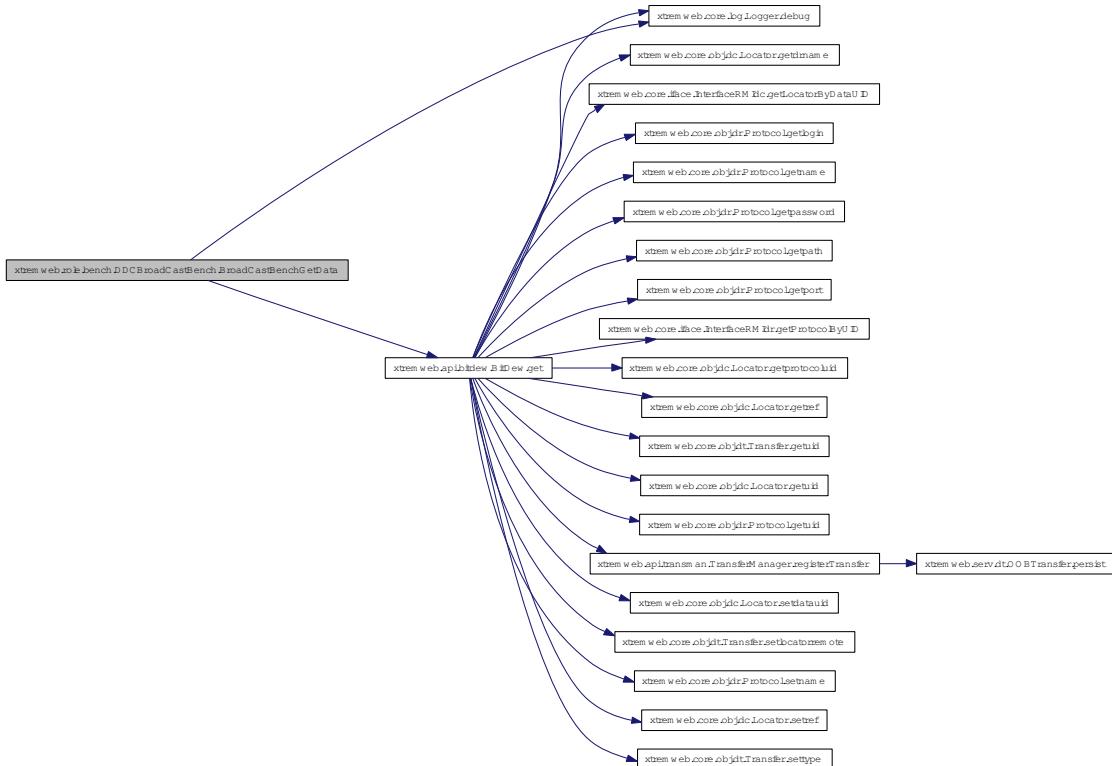
### 5.72.3.1 void xtremweb.role.bench.DDCBroadCastBench.BroadCastBenchGetData (int *size*, int *loop*, String *output*, Data *dataToBc*) throws BitDewException

Definition at line 56 of file DDCBroadCastBench.java.

References xtremweb.role.bench.DDCBroadCastBench.bitdew, xtremweb.core.log.Logger.debug(), xtremweb.api.bitdew.BitDew.get(), xtremweb.role.bench.DDCBroadCastBench.log, xtremweb.role.bench.DDCBroadCastBench.os, and xtremweb.role.bench.DDCBroadCastBench.tempDirName.

Referenced by xtremweb.role.bench.DDCBroadCastBench.main().

Here is the call graph for this function:

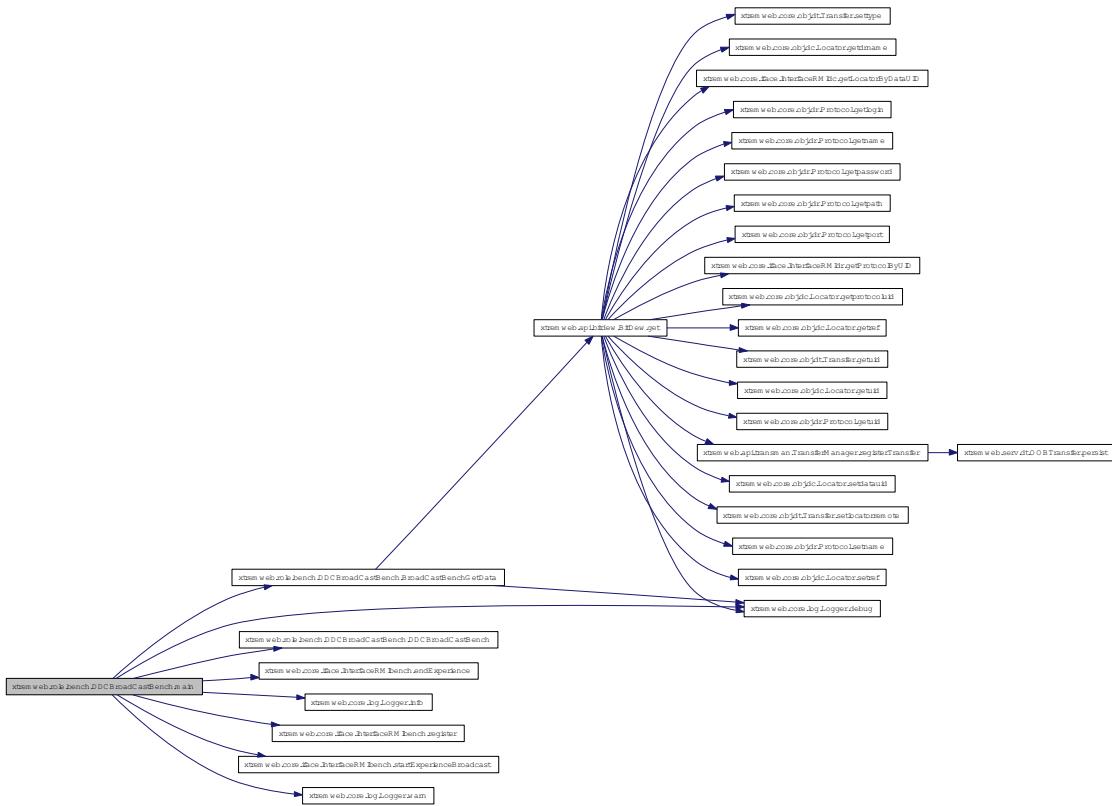


### 5.72.3.2 static void xtremweb.role.bench.DDCBroadCastBench.main (String[ ] args) throws Exception [static]

Definition at line 103 of file DDCBroadCastBench.java.

References xtremweb.role.bench.DDCBroadCastBench.bitdew, xtremweb.role.bench.DDCBroadCastBench.BroadCastBenchG, xtremweb.role.bench.DDCBroadCastBench.DDCBroadCastBench(), xtremweb.core.log.Logger.debug(), xtremweb.role.bench.DDCBroadCastBench.DEFAULT\_TEMP\_DIR\_NAME, xtremweb.core iface.InterfaceRMIbench.endExperience(), xtremweb.core.log.Logger.info(), xtremweb.role.bench.DDCBroadCastBench.log, xtremweb.core iface.InterfaceRMIbench.register(), xtremweb.core iface.InterfaceRMIbench.startExperienceBroadcast(), xtremweb.role.bench.DDCBroadCastBench.tempDirName and xtremweb.core.log.Logger.warn().

Here is the call graph for this function:



### 5.72.3.3 boolean xtremweb.role.bench.DDCBroadCastBench.verifyFile (int taille, int rang, int loop)

Definition at line 30 of file DDCBroadCastBench.java.

References xtremweb.core.log.Logger.fatal(), xtremweb.role.bench.DDCBroadCastBench.log, and xtremweb.role.bench.DDCBroadCastBench.tempDirName.

Here is the call graph for this function:



## 5.72.4 Member Data Documentation

### 5.72.4.1 BitDew xtremweb.role.bench.DDCBroadCastBench.bitdew [protected]

Definition at line 20 of file DDCBroadCastBench.java.

Referenced by xtremweb.role.bench.DDCBroadCastBench.BroadCastBenchGetData(), xtremweb.role.bench.DDCBroadCastBench.DDCBroadCastBench(), and xtremweb.role.bench.DDCBroadCastBench.main().

### 5.72.4.2 DistributedDataCatalog xtremweb.role.bench.DDCBroadCastBench.ddc = null [static, protected]

Definition at line 19 of file DDCBroadCastBench.java.

### 5.72.4.3 final String xtremweb.role.bench.DDCBroadCastBench.DEFAULT\_TEMP\_DIR\_NAME = "." [static]

Definition at line 26 of file DDCBroadCastBench.java.

Referenced by xtremweb.role.bench.DDCBroadCastBench.main().

### 5.72.4.4 Logger xtremweb.role.bench.DDCBroadCastBench.log = LoggerFactory.getLogger(DDCBroadCastBench.class) [static]

Definition at line 22 of file DDCBroadCastBench.java.

Referenced by xtremweb.role.bench.DDCBroadCastBench.BroadCastBenchGetData(), xtremweb.role.bench.DDCBroadCastBench.main(), and xtremweb.role.bench.DDCBroadCastBench.verifyFile().

### 5.72.4.5 PrintStream xtremweb.role.bench.DDCBroadCastBench.os [static, private]

Definition at line 21 of file DDCBroadCastBench.java.

Referenced by xtremweb.role.bench.DDCBroadCastBench.BroadCastBenchGetData().

### 5.72.4.6 String xtremweb.role.bench.DDCBroadCastBench.tempDirName = DEFAULT\_TEMP\_DIR\_NAME [static]

Definition at line 27 of file DDCBroadCastBench.java.

Referenced by xtremweb.role.bench.DDCBroadCastBench.BroadCastBenchGetData(), xtremweb.role.bench.DDCBroadCastBench.main(), and xtremweb.role.bench.DDCBroadCastBench.verifyFile().

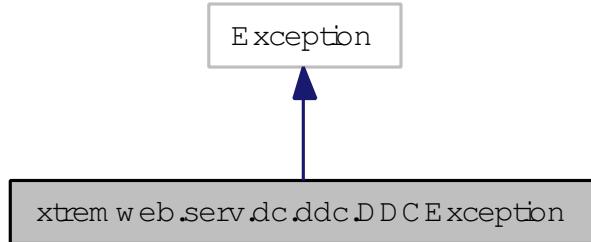
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/bench/[DDCBroadCastBench.java](#)

## 5.73 xtremweb.serv.dc.ddc.DDCException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.serv.dc.ddc.DDCException:



### Public Member Functions

- [DDCException \(\)](#)

#### 5.73.1 Detailed Description

Describe class [DDCException](#) here.

Created: Thu Aug 31 16:05:22 2006

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 12 of file DDCException.java.

#### 5.73.2 Constructor & Destructor Documentation

##### 5.73.2.1 xtremweb.serv.dc.ddc.DDCException.DDCException ()

Creates a new [DDCException](#) instance.

Definition at line 18 of file DDCException.java.

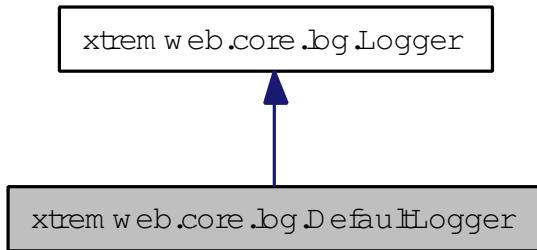
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dc/ddc/[DDCException.java](#)

## 5.74 xtremweb.core.log.DefaultLogger Class Reference

Inherits [xtremweb::core::log::Logger](#).

Collaboration diagram for xtremweb.core.log.DefaultLogger:



### Public Member Functions

- [DefaultLogger \(\)](#)
- [DefaultLogger \(String module\)](#)
- void [init \(String module\)](#)
- void [info \(String msg\)](#)
- void [warn \(String msg\)](#)
- void [debug \(String msg\)](#)
- void [fatal \(String msg\)](#)
- void [setLevel \(String level\)](#)

### Static Public Member Functions

- static [Logger getLogger \(String module\)](#)

#### 5.74.1 Detailed Description

[Logger.java](#)

Created: Thu Mar 10 11:11:52 2005

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 12 of file DefaultLogger.java.

#### 5.74.2 Constructor & Destructor Documentation

##### 5.74.2.1 xtremweb.core.log.DefaultLogger.DefaultLogger ()

Definition at line 16 of file DefaultLogger.java.

Referenced by `xtremweb.core.log.DefaultLogger.getLogger()`.

#### 5.74.2.2 `xtremweb.core.log.DefaultLogger.DefaultLogger (String module)`

Definition at line 19 of file `DefaultLogger.java`.

References `xtremweb.core.log.Logger._module`.

### 5.74.3 Member Function Documentation

#### 5.74.3.1 `void xtremweb.core.log.DefaultLogger.debug (String msg)`

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 35 of file `DefaultLogger.java`.

References `xtremweb.core.log.Logger._module`.

#### 5.74.3.2 `void xtremweb.core.log.DefaultLogger.fatal (String msg)`

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 39 of file `DefaultLogger.java`.

References `xtremweb.core.log.Logger._module`.

#### 5.74.3.3 `static Logger xtremweb.core.log.DefaultLogger.getLogger (String module) [static]`

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 46 of file `DefaultLogger.java`.

References `xtremweb.core.log.DefaultLogger.DefaultLogger()`.

Here is the call graph for this function:



#### 5.74.3.4 `void xtremweb.core.log.DefaultLogger.info (String msg)`

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 27 of file `DefaultLogger.java`.

References `xtremweb.core.log.Logger._module`.

#### 5.74.3.5 `void xtremweb.core.log.DefaultLogger.init (String module)`

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 23 of file `DefaultLogger.java`.

References `xtremweb.core.log.Logger._module`.

**5.74.3.6 void xtremweb.core.log.DefaultLogger.setLevel (String *level*) [virtual]**

Implements [xtremweb.core.log.Logger](#).

Definition at line 43 of file DefaultLogger.java.

**5.74.3.7 void xtremweb.core.log.DefaultLogger.warn (String *msg*)**

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 31 of file DefaultLogger.java.

References [xtremweb.core.log.Logger.\\_module](#).

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/log/[DefaultLogger.java](#)

## 5.75 xtremweb.serv.dc.ddc.DistributedDataCatalog Interface Reference

Inherited by [xtremweb.serv.dc.ddc.DistributedDataCatalogImpl](#), [xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog](#) and [xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog](#).

### Public Member Functions

- void [start\(\)](#) throws DDCException
- String [entryPoint\(\)](#) throws DDCException
- void [join\(String url\)](#) throws DDCException
- void [publish\(String key, String value\)](#) throws DDCException
- String [search\(String key\)](#) throws DDCException

#### 5.75.1 Detailed Description

Describe interface [DistributedDataCatalog](#) here.

Created: Thu Aug 31 13:55:39 2006

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 12 of file [DistributedDataCatalog.java](#).

#### 5.75.2 Member Function Documentation

##### 5.75.2.1 String xtremweb.serv.dc.ddc.DistributedDataCatalog.entryPoint () throws DDCException

Implemented in [xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog](#), and [xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog](#).

Referenced by [xtremweb.serv.dc.Callbackdc.getDDCEntryPoint\(\)](#).

##### 5.75.2.2 void xtremweb.serv.dc.ddc.DistributedDataCatalog.join (String *url*) throws DDCException

Implemented in [xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog](#), and [xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog](#).

Referenced by [xtremweb.api.bitdew.BitDew.init\(\)](#).

##### 5.75.2.3 void xtremweb.serv.dc.ddc.DistributedDataCatalog.publish (String *key*, String *value*) throws DDCException

Implemented in [xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog](#), and [xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog](#).

Referenced by `xtremweb.api.bitdew.BitDew.ddcPublish()`.

#### 5.75.2.4 String `xtremweb.serv.dc.ddc.DistributedDataCatalog.search (String key) throws DDCException`

Implemented in [xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog](#), and [xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog](#).

Referenced by `xtremweb.api.bitdew.BitDew.ddcSearch()`, and `xtremweb.role.bench.DDCBench.main()`.

#### 5.75.2.5 void `xtremweb.serv.dc.ddc.DistributedDataCatalog.start () throws DDCException`

Implemented in [xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog](#), and [xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog](#).

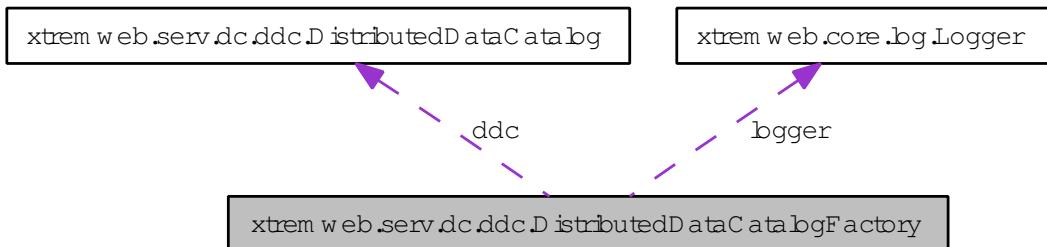
Referenced by `xtremweb.serv.dc.Callbackdc.Callbackdc()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dc/ddc/[DistributedDataCatalog.java](#)

## 5.76 xtremweb.serv.dc.ddc.DistributedDataCatalogFactory Class Reference

Collaboration diagram for xtremweb.serv.dc.ddc.DistributedDataCatalogFactory:



### Static Public Member Functions

- static [DistributedDataCatalog getDistributedDataCatalog \(\)](#)
- static [DistributedDataCatalog getDistributedDataCatalog \(String className\)](#)

### Static Public Attributes

- static final String [DEFAULT\\_DDC\\_DHT](#) = "xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog"

### Static Protected Attributes

- static [Logger logger](#) = LoggerFactory.getLogger("DDC Factory")
- static [DistributedDataCatalog ddc](#) = null

#### 5.76.1 Detailed Description

Describe class [DistributedDataCatalogImpl](#) here.

Created: Thu Aug 31 13:59:43 2006

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 14 of file [DistributedDataCatalogFactory.java](#).

## 5.76.2 Member Function Documentation

### 5.76.2.1 static DistributedDataCatalog

```
xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.getDistributedDataCatalog (String  
className) [static]
```

Definition at line 26 of file DistributedDataCatalogFactory.java.

References xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.ddc, xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.DEFAULT\_DDC\_DHT, xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.logger, and xtremweb.core.log.Logger.warn().

Here is the call graph for this function:



### 5.76.2.2 static DistributedDataCatalog

```
xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.getDistributedDataCatalog ()  
[static]
```

Definition at line 22 of file DistributedDataCatalogFactory.java.

References xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.DEFAULT\_DDC\_DHT.

## 5.76.3 Member Data Documentation

### 5.76.3.1 DistributedDataCatalog xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.ddc = null

[static, protected]

Definition at line 20 of file DistributedDataCatalogFactory.java.

Referenced by xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.getDistributedDataCatalog().

### 5.76.3.2 final String xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.DEFAULT\_DDC\_DHT = "xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog" [static]

Definition at line 18 of file DistributedDataCatalogFactory.java.

Referenced by xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.getDistributedDataCatalog().

### 5.76.3.3 Logger xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.logger = LoggerFactory.getLogger("DDC Factory") [static, protected]

Definition at line 16 of file DistributedDataCatalogFactory.java.

Referenced by xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.getDistributedDataCatalog().

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

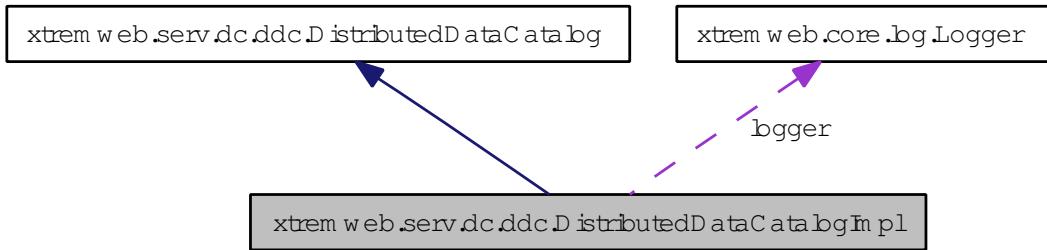
- /Users/fedak/shared/projects/bidew/trunk-1/src/xtremweb/serv/dc/ddc/[DistributedDataCatalogFactory.java](#)

## 5.77 **xtremweb.serv.dc.ddc.DistributedDataCatalogImpl** Class Reference

Inherits [xtremweb::serv::dc::ddc::DistributedDataCatalog](#).

Inherited by [xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog](#), and [xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog](#).

Collaboration diagram for [xtremweb.serv.dc.ddc.DistributedDataCatalogImpl](#):



### Protected Attributes

- `Logger logger = LoggerFactory.getLogger("DDC Factory")`

#### 5.77.1 Detailed Description

Definition at line 15 of file `DistributedDataCatalogImpl.java`.

#### 5.77.2 Member Data Documentation

**5.77.2.1 Logger `xtremweb.serv.dc.ddc.DistributedDataCatalogImpl.logger = LoggerFactory.getLogger("DDC Factory")` [protected]**

Definition at line 16 of file `DistributedDataCatalogImpl.java`.

Referenced by [xtremweb.serv.dc.ddc.JDHTDistributedDataCatalog.entryPoint\(\)](#), [xtremweb.serv.dc.ddc.JDHTDistributedDataCatalog.join\(\)](#), [xtremweb.serv.dc.ddc.JDHTDistributedDataCatalog.publish\(\)](#), [xtremweb.serv.dc.ddc.JDHTDistributedDataCatalog.search\(\)](#), and [xtremweb.serv.dc.ddc.JDHTDistributedDataCatalog](#).

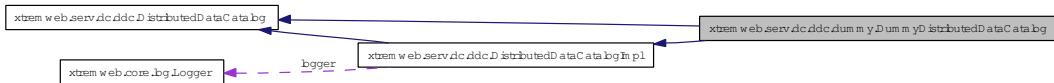
The documentation for this class was generated from the following file:

- [/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dc/ddc/DistributedDataCatalogImpl.java](#)

## 5.78 xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog Class Reference

Inherits [xtremweb::serv::dc::ddc::DistributedDataCatalogImpl](#), and [xtremweb::serv::dc::ddc::DistributedDataCatalog](#).

Collaboration diagram for `xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog`:



### Public Member Functions

- [DummyDistributedDataCatalog \(\)](#)
- void [start \(\)](#) throws DDCException
- String [entryPoint \(\)](#) throws DDCException
- void [join \(String url\)](#) throws DDCException
- void [publish \(String key, String value\)](#) throws DDCException
- String [search \(String key\)](#) throws DDCException

#### 5.78.1 Detailed Description

Describe class `DummyDistributedDataCatalog` here.

Created: Tue Jul 17 13:36:14 2007

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 15 of file `DummyDistributedDataCatalog.java`.

#### 5.78.2 Constructor & Destructor Documentation

##### 5.78.2.1 xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog.DummyDistributedDataCatalog

0

Creates a new `DummyDistributedDataCatalog` instance.

Definition at line 21 of file `DummyDistributedDataCatalog.java`.

#### 5.78.3 Member Function Documentation

##### 5.78.3.1 String xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog.entryPoint () throws DDCException

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 29 of file DummyDistributedDataCatalog.java.

**5.78.3.2 void xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog.join (String *url*)  
throws DDCException**

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 33 of file DummyDistributedDataCatalog.java.

**5.78.3.3 void xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog.publish (String *key*,  
String *value*) throws DDCException**

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 36 of file DummyDistributedDataCatalog.java.

**5.78.3.4 String xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog.search (String *key*)  
throws DDCException**

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 39 of file DummyDistributedDataCatalog.java.

**5.78.3.5 void xtremweb.serv.dc.ddc.dummy.DummyDistributedDataCatalog.start () throws  
DDCException**

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 26 of file DummyDistributedDataCatalog.java.

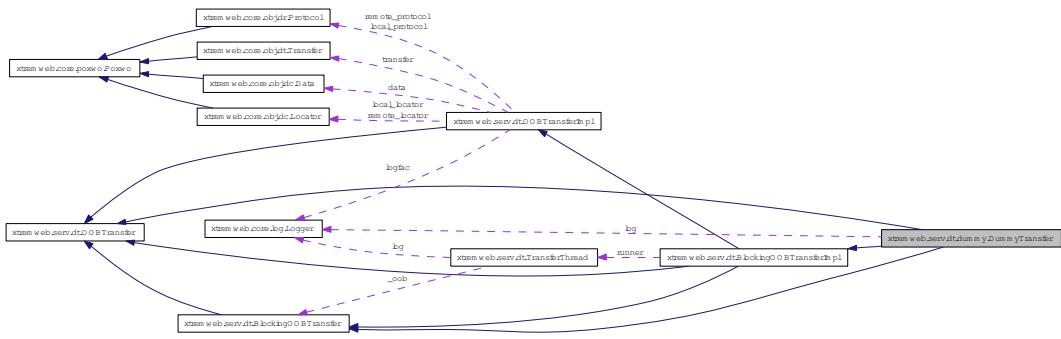
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dc/ddc/dummy/[DummyDistributedDataCatalog.java](#)

## 5.79 xtremweb.serv.dt.dummy.DummyTransfer Class Reference

Inherits [xtremweb::serv::dt::BlockingOOBTransferImpl](#), [xtremweb::serv::dt::BlockingOOBTransfer](#), and [xtremweb::serv::dt::OOBTransfer](#).

Collaboration diagram for `xtremweb.serv.dt.dummy.DummyTransfer`:



### Public Member Functions

- `DummyTransfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`
- `String toString ()`
- `void connect () throws OOBException`
- `void blockingSendSenderSide () throws OOBException`
- `void blockingSendReceiverSide () throws OOBException`
- `void blockingReceiveSenderSide () throws OOBException`
- `void blockingReceiveReceiverSide () throws OOBException`
- `void disconnect () throws OOBException`
- `boolean poolTransfer ()`

### Static Public Member Functions

- `static void init ()`
- `static void main (String[ ] args)`

### Static Protected Attributes

- `static Logger log = LoggerFactory.getLogger(DummyTransfer.class)`

### Private Member Functions

- `void longtimeout () throws OOBException`
- `void shorttimeout () throws OOBException`
- `void timeout (int timeout) throws OOBException`

## Private Attributes

- boolean `transfer_complete` = false

## Static Private Attributes

- static int `SECOND` = 1000
- static int `SHORT_TIMEOUT` = 1
- static int `LONG_TIMEOUT` = 10

### 5.79.1 Detailed Description

Definition at line 15 of file DummyTransfer.java.

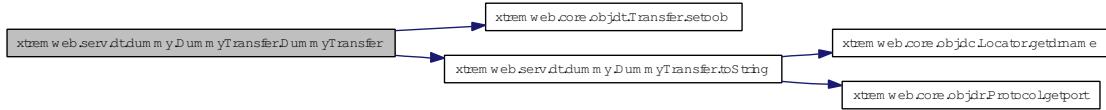
### 5.79.2 Constructor & Destructor Documentation

#### 5.79.2.1 `xtremweb.serv.dt.dummy.DummyTransfer(Datum d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`

Definition at line 40 of file DummyTransfer.java.

References `xtremweb.core.obj.dt.Transfer.setoob()`, `xtremweb.serv.dt.dummy.DummyTransfer.toString()`, and `xtremweb.serv.dt.OOBTransferImpl.transfer`.

Here is the call graph for this function:



### 5.79.3 Member Function Documentation

#### 5.79.3.1 `void xtremweb.serv.dt.dummy.DummyTransfer.blockingReceiveReceiverSide () throws OOBException`

`blockingReceiveReceiverSide` implements the blocking receive from the Receiver side

##### Exceptions:

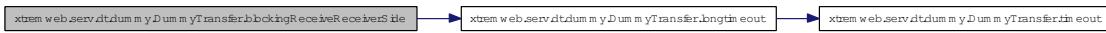
`OOBException` if an error occurs

Implements `xtremweb.serv.dt.BlockingOOBTransfer`.

Definition at line 69 of file DummyTransfer.java.

References `xtremweb.serv.dt.dummy.DummyTransfer.longtimeout()`, and `xtremweb.serv.dt.dummy.DummyTransfer.transfer_complete`.

Here is the call graph for this function:



### 5.79.3.2 void xtremweb.serv.dt.dummy.DummyTransfer.blockingReceiveSenderSide () throws OOBException

`blockingReceiveSenderSide` implements the blocking receive from the Sender side

#### Exceptions:

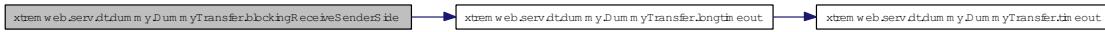
*OOBException* if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 64 of file DummyTransfer.java.

References [xtremweb.serv.dt.dummy.DummyTransfer.longtimeout\(\)](#), [xtremweb.serv.dt.dummy.DummyTransfer.transfer\\_complete\(\)](#). and

Here is the call graph for this function:



### 5.79.3.3 void xtremweb.serv.dt.dummy.DummyTransfer.blockingSendReceiverSide () throws OOBException

`blockingSendReceiverSide` implements the blocking send method from the Receiver side

#### Exceptions:

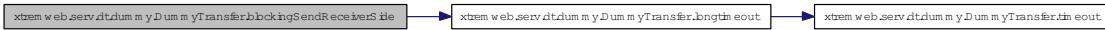
*OOBException* if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 59 of file DummyTransfer.java.

References [xtremweb.serv.dt.dummy.DummyTransfer.longtimeout\(\)](#), [xtremweb.serv.dt.dummy.DummyTransfer.transfer\\_complete\(\)](#). and

Here is the call graph for this function:



### 5.79.3.4 void xtremweb.serv.dt.dummy.DummyTransfer.blockingSendSenderSide () throws OOBException

`blockingSendSenderSide` implements the blocking Send method from the Sender side

#### Exceptions:

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 54 of file DummyTransfer.java.

References [xtremweb.serv.dt.dummy.DummyTransfer.longtimeout\(\)](#), [xtremweb.serv.dt.dummy.DummyTransfer.transfer\\_complete\(\)](#). and

Here is the call graph for this function:



### 5.79.3.5 void xtremweb.serv.dt.dummy.DummyTransfer.connect () throws OOBException

connect

**Exceptions:**

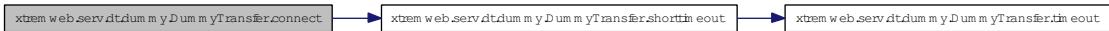
***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 50 of file DummyTransfer.java.

References [xtremweb.serv.dt.dummy.DummyTransfer.shorttimeout\(\)](#).

Here is the call graph for this function:



### 5.79.3.6 void xtremweb.serv.dt.dummy.DummyTransfer.disconnect () throws OOBException

Describe disconnect method here.

**Exceptions:**

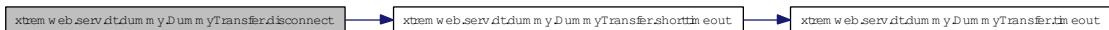
***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 74 of file DummyTransfer.java.

References [xtremweb.serv.dt.dummy.DummyTransfer.shorttimeout\(\)](#).

Here is the call graph for this function:

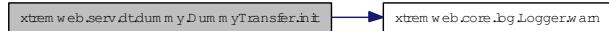


### 5.79.3.7 static void xtremweb.serv.dt.dummy.DummyTransfer.init () [static]

Definition at line 27 of file DummyTransfer.java.

References [xtremweb.serv.dt.dummy.DummyTransfer.log](#), [xtremweb.serv.dt.dummy.DummyTransfer.LONG\\_TIMEOUT](#), [xtremweb.serv.dt.dummy.DummyTransfer.SHORT\\_TIMEOUT](#), and [xtremweb.core.log.Logger.warn\(\)](#).

Here is the call graph for this function:



#### **5.79.3.8 void xtremweb.serv.dt.dummy.DummyTransfer.longtimeout () throws OOBException [private]**

Definition at line 84 of file DummyTransfer.java.

References xtremweb.serv.dt.dummy.DummyTransfer.LONG\_TIMEOUT, and xtremweb.serv.dt.dummy.DummyTransfer.timeout().

Referenced by xtremweb.serv.dt.dummy.DummyTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.dummy.DummyTransfer.blockingReceiveSenderSide(), xtremweb.serv.dt.dummy.DummyTransfer.blockingSendReceiverSide() and xtremweb.serv.dt.dummy.DummyTransfer.blockingSendSenderSide().

Here is the call graph for this function:

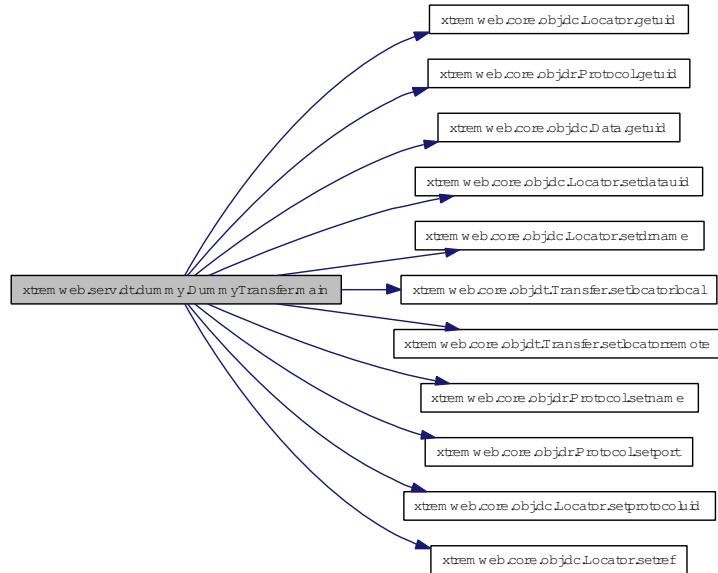


#### **5.79.3.9 static void xtremweb.serv.dt.dummy.DummyTransfer.main (String[] args) [static]**

Definition at line 100 of file DummyTransfer.java.

References xtremweb.serv.dt.OOBTransferImpl.data, xtremweb.core.obj.dc.Locator.getuid(), xtremweb.core.obj.dr.Protocol.getuid(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.serv.dt.OOBTransferImpl.local\_locator, xtremweb.serv.dt.OOBTransferImpl.remote\_locator, xtremweb.core.obj.dc.Locator.setdatauid(), xtremweb.core.obj.dc.Locator.setdrname(), xtremweb.core.obj.dt.Transfer.setlocatorlocal(), xtremweb.core.obj.dt.Transfer.setlocatorremote(), xtremweb.core.obj.dr.Protocol.setname(), xtremweb.core.obj.dr.Protocol.setport(), xtremweb.core.obj.dc.Locator.setprotocoluid(), and xtremweb.core.obj.dc.Locator.setref().

Here is the call graph for this function:



### 5.79.3.10 boolean xtremweb.serv.dt.dummy.DummyTransfer.poolTransfer ()

Describe `poolTransfer` method here.

**Returns:**

a boolean value

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 78 of file DummyTransfer.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.dummy.DummyTransfer.log`, and `xtremweb.serv.dt.dummy.DummyTransfer.transfer_complete`.

Here is the call graph for this function:



### 5.79.3.11 void xtremweb.serv.dt.dummy.DummyTransfer.shorttimeout () throws OOBException [private]

Definition at line 88 of file DummyTransfer.java.

References `xtremweb.serv.dt.dummy.DummyTransfer.SHORT_TIMEOUT`, and `xtremweb.serv.dt.dummy.DummyTransfer.timeout()`.

Referenced by `xtremweb.serv.dt.dummy.DummyTransfer.connect()`, and `xtremweb.serv.dt.dummy.DummyTransfer.disconnect()`.

Here is the call graph for this function:



### 5.79.3.12 void xtremweb.serv.dt.dummy.DummyTransfer.timeout (int *timeout*) throws OOBException [private]

Definition at line 92 of file DummyTransfer.java.

References xtremweb.serv.dt.dummy.DummyTransfer.SECOND.

Referenced by xtremweb.serv.dt.dummy.DummyTransfer.longtimeout(), and xtremweb.serv.dt.dummy.DummyTransfer.shorttimeout().

### 5.79.3.13 String xtremweb.serv.dt.dummy.DummyTransfer.toString ()

`toString` converts to a string

#### Returns:

a `String` value

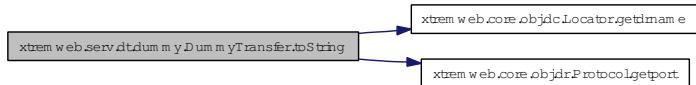
Reimplemented from [xtremweb.serv.dt.OOBTransferImpl](#).

Definition at line 46 of file DummyTransfer.java.

References xtremweb.core.obj.dc.Locator.getdrname(), xtremweb.core.obj.dr.Protocol.getport(), xtremweb.serv.dt.OOBTransferImpl.remote\_locator, and xtremweb.serv.dt.OOBTransferImpl.remote\_protocol.

Referenced by xtremweb.serv.dt.dummy.DummyTransfer.DummyTransfer().

Here is the call graph for this function:



## 5.79.4 Member Data Documentation

### 5.79.4.1 Logger xtremweb.serv.dt.dummy.DummyTransfer.log = LoggerFactory.getLogger(DummyTransfer.class) [static, protected]

Definition at line 23 of file DummyTransfer.java.

Referenced by xtremweb.serv.dt.dummy.DummyTransfer.init(), and xtremweb.serv.dt.dummy.DummyTransfer.poolTransfer().

### 5.79.4.2 int xtremweb.serv.dt.dummy.DummyTransfer.LONG\_TIMEOUT = 10 [static, private]

Definition at line 21 of file DummyTransfer.java.

Referenced by xtremweb.serv.dt.dummy.DummyTransfer.init(), and xtremweb.serv.dt.dummy.DummyTransfer.longtimeout().

**5.79.4.3 int xtremweb.serv.dt.dummy.DummyTransfer.SECOND = 1000 [static, private]**

Definition at line 19 of file DummyTransfer.java.

Referenced by xtremweb.serv.dt.dummy.DummyTransfer.timeout().

**5.79.4.4 int xtremweb.serv.dt.dummy.DummyTransfer.SHORT\_TIMEOUT = 1 [static, private]**

Definition at line 20 of file DummyTransfer.java.

Referenced by xtremweb.serv.dt.dummy.DummyTransfer.init(), and xtremweb.serv.dt.dummy.DummyTransfer.shorttimeout().

**5.79.4.5 boolean xtremweb.serv.dt.dummy.DummyTransfer.transfer\_complete = false [private]**

Definition at line 25 of file DummyTransfer.java.

Referenced by xtremweb.serv.dt.dummy.DummyTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.dummy.DummyTransfer.blockingReceiveSenderSide(), xtremweb.serv.dt.dummy.DummyTransfer.blockingSendSenderSide(), and xtremweb.serv.dt.dummy.DummyTransfer.poolTransfer().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/dummy/[DummyTransfer.java](#)

## 5.80 xtremweb.core.util.test.SortedVectorTest.ElementsOrder Class Reference

### Public Member Functions

- int [compare](#) (Object p1, Object p2)

#### 5.80.1 Detailed Description

Definition at line 48 of file SortedVectorTest.java.

#### 5.80.2 Member Function Documentation

##### 5.80.2.1 int xtremweb.core.util.test.SortedVectorTest.ElementsOrder.compare (Object *p1*, Object *p2*)

Definition at line 50 of file SortedVectorTest.java.

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

- /Users/fedak/shared/projects/bitmew/trunk-1/src/xtremweb/core/util/test/[SortedVectorTest.java](#)

## 5.81 xtremweb.role.examples.Example Class Reference

### 5.81.1 Detailed Description

Describe class [Example](#) here.

Created: Sat Apr 5 09:34:23 2008

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 12 of file Example.java.

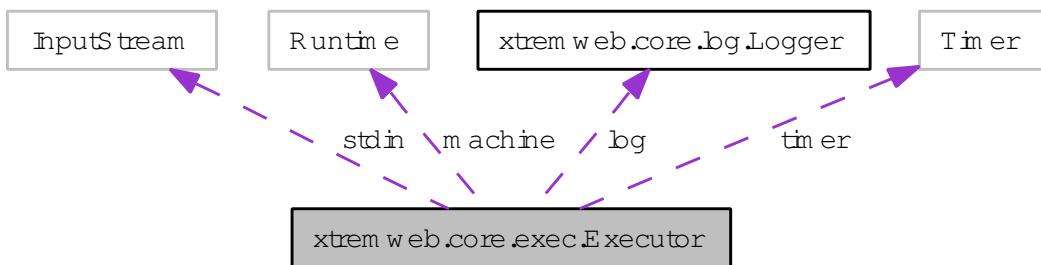
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[Example.java](#)

## 5.82 xtremweb.core.exec.Executor Class Reference

Inherited by [xtremweb.core.exec.JavaByteCodeExecutor](#).

Collaboration diagram for xtremweb.core.exec.Executor:



### Public Member Functions

- [Executor \(\)](#)
- [Executor \(String cmd\)](#)
- [Executor \(String cmd, String dir\)](#)
- [Executor \(String cmd, String dir, InputStream in, OutputStream out, OutputStream err\)](#)
- [String getCmdLine \(\)](#)
- [String getExecDir \(\)](#)
- [void setCmdLine \(String v\)](#)
- [void setExecDir \(String v\)](#)
- [void setStdin \(InputStream in\)](#)
- [InputStream getStdin \(\)](#)
- [void setStdout \(OutputStream out\)](#)
- [OutputStream getStdout \(\)](#)
- [void set.Stderr \(OutputStream err\)](#)
- [OutputStream get.Stderr \(\)](#)
- [void stop \(\) throws ExecutorLaunchException](#)
- [void start \(\) throws ExecutorLaunchException](#)
- [boolean isRunning \(\)](#)
- [void flushPipe \(\)](#)
- [int waitFor \(\)](#)
- [int startAndWait \(\) throws ExecutorLaunchException](#)
- [void writeMessage \(String message\)](#)

### Static Public Member Functions

- static void [main \(String\[ \] args\)](#)

### Static Protected Member Functions

- static String [join \(String tab\[ \], String sep\)](#)

## Protected Attributes

- String `commandLine` = null
- String `executionDirectory` = null
- InputStream `stdin` = null
- OutputStream `stdout` = null
- OutputStream `stderr` = null

## Static Protected Attributes

- static Logger `log` = LoggerFactory.getLogger(Executor.class)

## Private Member Functions

- void `pipe` (InputStream in, OutputStream out, boolean isBlocking) throws IOException

## Private Attributes

- Process `process` = null
- Runtime `machine` = Runtime.getRuntime()
- boolean `isRunning` = false
- Timer `timer` = new Timer()

## Static Private Attributes

- static final int `BLOCK_SIZE` = 65500
- static final int `SLEEP_UNIT` = 50

### 5.82.1 Detailed Description

Definition at line 17 of file Executor.java.

### 5.82.2 Constructor & Destructor Documentation

#### 5.82.2.1 xtremweb.core.exec.Executor.Executor ()

This constructor sets I/O to null

Definition at line 63 of file Executor.java.

Referenced by `xtremweb.core.exec.Executor.main()`.

#### 5.82.2.2 xtremweb.core.exec.Executor.Executor (String cmd)

This constructor sets execution directory and I/O to null

##### Parameters:

`cmd` is the command to execute

See also:

[executionDirectory](#)  
[stdin](#)  
[stdout](#)  
[stderr](#)

Definition at line 74 of file Executor.java.

#### 5.82.2.3 xtremweb.core.exec.Executor.Executor (String *cmd*, String *dir*)

This constructor sets I/O to the standard input and output

**Parameters:**

*cmd* is the command to execute  
*dir* is the execution directory

See also:

[executionDirectory](#)  
[stdin](#)  
[stdout](#)  
[stderr](#)

Definition at line 89 of file Executor.java.

#### 5.82.2.4 xtremweb.core.exec.Executor.Executor (String *cmd*, String *dir*, InputStream *in*, OutputStream *out*, OutputStream *err*)

This constructor sets I/O to null

**Parameters:**

*cmd* is the command to execute  
*dir* is the execution directory  
*in* is the process input  
*out* is the process output  
*err* is the process output error

See also:

[executionDirectory](#)  
[stdin](#)  
[stdout](#)  
[stderr](#)

Definition at line 106 of file Executor.java.

References [xtremweb.core.exec.Executor.commandLine](#), [xtremweb.core.exec.Executor.executionDirectory](#), [xtremweb.core.exec.Executor.stderr](#), [xtremweb.core.exec.Executor.stdin](#), and [xtremweb.core.exec.Executor.stdout](#).

### 5.82.3 Member Function Documentation

#### 5.82.3.1 void xtremweb.core.exec.Executor.flushPipe()

This checks for process terminason and flushes the I/O

**See also:**

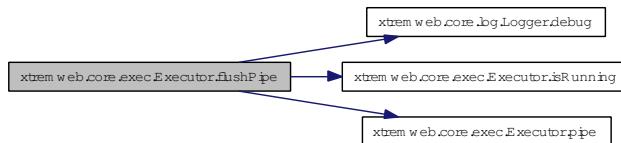
[pipe](#) (`InputStream`, `OutputStream`, `boolean`)

Definition at line 275 of file Executor.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core.exec.Executor.isRunning()`, `xtremweb.core.exec.Executor.log`, `xtremweb.core.exec.Executor.pipe()`, `xtremweb.core.exec.Executor.process`, `xtremweb.core.exec.Executor.stderr`, `xtremweb.core.exec.Executor.stdin`, `xtremweb.core.exec.Executor.stdout`, and `xtremweb.core.exec.Executor.timer`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTools.makeTorrent()`, `xtremweb.role.blast.Worker.RunApplication()`, `xtremweb.core.exec.Executor.start()`, `xtremweb.role.blast.Worker.UnzipFile()`, and `xtremweb.core.exec.Executor.waitFor()`.

Here is the call graph for this function:



#### 5.82.3.2 String xtremweb.core.exec.Executor.getCmdLine()

This retreives an attribute (as the name says)

**Returns:**

the expected attribute

Definition at line 119 of file Executor.java.

References `xtremweb.core.exec.Executor.commandLine`.

#### 5.82.3.3 String xtremweb.core.exec.Executor.getExecDir()

This retreives an attribute (as the name says)

**Returns:**

the expected attribute

Definition at line 127 of file Executor.java.

References `xtremweb.core.exec.Executor.executionDirectory`.

**5.82.3.4 OutputStream xtremweb.core.exec.Executor.getStderr ()**

```
getStderr() get stderr
```

**Returns:**

an OutputStream value

Definition at line 202 of file Executor.java.

References xtremweb.core.exec.Executor.stderr.

**5.82.3.5 InputStream xtremweb.core.exec.Executor.getStdin ()**

```
getStdin() get stdin
```

**Returns:**

an InputStream value

Definition at line 164 of file Executor.java.

References xtremweb.core.exec.Executor.stdin.

**5.82.3.6 OutputStream xtremweb.core.exec.Executor.getStdout ()**

```
getStdout() get stdout
```

**Returns:**

an OutputStream value

Definition at line 183 of file Executor.java.

References xtremweb.core.exec.Executor.stdout.

**5.82.3.7 boolean xtremweb.core.exec.Executor.isRunning ()**

This tells whether the process is running or not

**Returns:**

a boolean value

Definition at line 266 of file Executor.java.

Referenced by xtremweb.core.exec.Executor.flushPipe(), xtremweb.core.exec.Executor.start(), xtremweb.core.exec.Executor.stop(), and xtremweb.core.exec.Executor.waitFor().

**5.82.3.8 static String xtremweb.core.exec.Executor.join (String tab[ ], String sep) [static, protected]**

Describe join method here.

**Parameters:***tab[]* a String value*sep* a String value**Returns:**

a String value

Definition at line 382 of file Executor.java.

**5.82.3.9 static void xtremweb.core.exec.Executor.main (String[ ] args) [static]**

This is the standard main () method This is only for test purposes

**Parameters:***args* a String[ ] valueReimplemented in [xtremweb.core.exec.ClassExecutor](#), and [xtremweb.core.exec.JarExecutor](#).

Definition at line 401 of file Executor.java.

References [xtremweb.core.exec.Executor.Executor\(\)](#), and [xtremweb.core.exec.Executor.startAndWait\(\)](#).

Here is the call graph for this function:

**5.82.3.10 void xtremweb.core.exec.Executor.pipe (InputStream in, OutputStream out, boolean isBlocking) throws IOException [private]**

This pipes from one stream to other

**Parameters:***in* is the input stream to read from; if null this method returns immediately*out* is output stream to write to; if null nothing is written*isBlocking* tells whether I/O are blocking or not

Definition at line 349 of file Executor.java.

References [xtremweb.core.exec.Executor.BLOCK\\_SIZE](#).Referenced by [xtremweb.core.exec.Executor.flushPipe\(\)](#).**5.82.3.11 void xtremweb.core.exec.Executor.setCmdLine (String v)**

This sets an attribute (as the name says)

**Parameters:**

*v* is the new attribute value

Definition at line 136 of file Executor.java.

References xtremweb.core.exec.Executor.commandLine.

**5.82.3.12 void xtremweb.core.exec.Executor.setExecDir (String *v*)**

This sets an attribute (as the name says)

**Parameters:**

*v* is the new attribute value

Definition at line 145 of file Executor.java.

References xtremweb.core.exec.Executor.executionDirectory.

**5.82.3.13 void xtremweb.core.exec.Executor.setStderr (OutputStream *err*)**

setStderr set stderr

**Parameters:**

*err* an OutputStream value

Definition at line 193 of file Executor.java.

References xtremweb.core.exec.Executor.stderr.

**5.82.3.14 void xtremweb.core.exec.Executor.setStdin (InputStream *in*)**

setStdin set stdin

**Parameters:**

*in* an InputStream value

Definition at line 155 of file Executor.java.

References xtremweb.core.exec.Executor.stdin.

**5.82.3.15 void xtremweb.core.exec.Executor.setStdout (OutputStream *out*)**

setStdout set stdout

**Parameters:**

*out* an OutputStream value

Definition at line 174 of file Executor.java.

References xtremweb.core.exec.Executor.stdout.

### 5.82.3.16 void xtremweb.core.exec.Executor.start () throws ExecutorLaunchException

This starts the process using Runtime.exec () It instantiates a timer to check process state and periodically flush the I/O

#### Exceptions:

*ExecutorLaunchException* if an error occurs

#### See also:

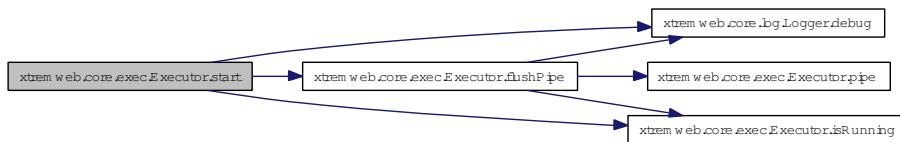
[timer](#)  
[flushPipe \(\)](#)

Definition at line 233 of file Executor.java.

References [xtremweb.core.exec.Executor.commandLine](#), [xtremweb.core.log.Logger.debug\(\)](#),  
[xtremweb.core.exec.Executor.executionDirectory](#), [xtremweb.core.exec.Executor.flushPipe\(\)](#),  
[xtremweb.core.exec.Executor.isRunning\(\)](#), [xtremweb.core.exec.Executor.log](#),  
[xtremweb.core.exec.Executor.machine](#), [xtremweb.core.exec.Executor.process](#),  
[xtremweb.core.exec.Executor.SLEEP\\_UNIT](#), and [xtremweb.core.exec.Executor.timer](#).

Referenced by [xtremweb.core.exec.Executor.startAndWait\(\)](#), [xtremweb.serv.dt.bittorrent.AzureusCore.startAzureusCore\(\)](#),  
[xtremweb.serv.dt.bittorrent.BittorrentTools.startBittorrentTracker\(\)](#), and  
[xtremweb.serv.dt.bittorrent.BtpdCore.startCore\(\)](#).

Here is the call graph for this function:



### 5.82.3.17 int xtremweb.core.exec.Executor.startAndWait () throws ExecutorLaunchException

This start the process and wait until the process exits

#### Returns:

the process exit code

#### Exceptions:

*ExecutorLaunchException* if an error occurs

#### See also:

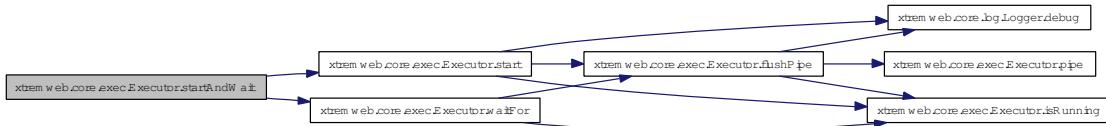
[start \(\)](#)  
[waitFor \(\)](#)

Definition at line 330 of file Executor.java.

References [xtremweb.core.exec.Executor.start\(\)](#), and [xtremweb.core.exec.Executor.waitFor\(\)](#).

Referenced by  
 xtremweb.core.exec.JarExecutor.main(),  
 xtremweb.serv.dt.bittorrent.BittorrentTools.makeTorrent(),  
 xtremweb.role.blast.Worker.RunApplication(),  
 and xtremweb.role.blast.Worker.UnzipFile().

Here is the call graph for this function:



### 5.82.3.18 void xtremweb.core.exec.Executor.stop () throws ExecutorLaunchException

This stops the process, if any

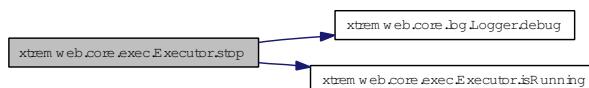
#### Exceptions:

**ExecutorLaunchException** is thrown on error (no running process)

Definition at line 210 of file Executor.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.exec.Executor.isRunning(), xtremweb.core.exec.Executor.log, and xtremweb.core.exec.Executor.process.

Here is the call graph for this function:



### 5.82.3.19 int xtremweb.core.exec.Executor.waitFor ()

This waits until the process exits

#### Returns:

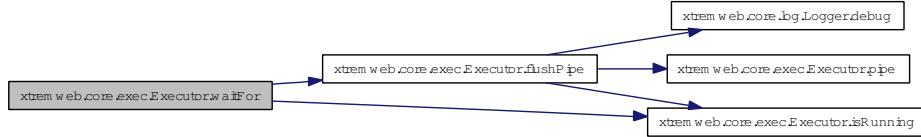
the process return code

Definition at line 300 of file Executor.java.

References xtremweb.core.exec.Executor.flushPipe(), xtremweb.core.exec.Executor.isRunning(), xtremweb.core.exec.Executor.process, xtremweb.core.exec.Executor.SLEEP\_UNIT, and xtremweb.core.exec.Executor.timer.

Referenced by xtremweb.core.exec.Executor.startAndWait().

Here is the call graph for this function:



#### 5.82.3.20 void `xtremweb.core.exec.Executor.writeMessage (String message)`

Definition at line 335 of file Executor.java.

References `xtremweb.core.exec.Executor.process`.

### 5.82.4 Member Data Documentation

#### 5.82.4.1 final int `xtremweb.core.exec.Executor.BLOCK_SIZE = 65500` [static, private]

Definition at line 45 of file Executor.java.

Referenced by `xtremweb.core.exec.Executor.pipe()`.

#### 5.82.4.2 String `xtremweb.core.exec.Executor.commandLine = null` [protected]

This is the command line This includes the process command line and its options

Definition at line 23 of file Executor.java.

Referenced by `xtremweb.core.exec.Executor.Executor()`, `xtremweb.core.exec.Executor.getCmdLine()`, `xtremweb.core.exec.JavaByteCodeExecutor.setCmdLine()`, `xtremweb.core.exec.Executor.setCmdLine()`, and `xtremweb.core.exec.Executor.start()`.

#### 5.82.4.3 String `xtremweb.core.exec.Executor.executionDirectory = null` [protected]

This is the process execution directory

Definition at line 27 of file Executor.java.

Referenced by `xtremweb.core.exec.Executor.Executor()`, `xtremweb.core.exec.Executor.getExecDir()`, `xtremweb.core.exec.JavaByteCodeExecutor.JavaByteCodeExecutor()`, `xtremweb.core.exec.Executor.setExecDir()`, and `xtremweb.core.exec.Executor.start()`.

#### 5.82.4.4 boolean `xtremweb.core.exec.Executor.isRunning = false` [private]

This stores the process running flag

Definition at line 43 of file Executor.java.

#### 5.82.4.5 Logger `xtremweb.core.exec.Executor.log = LoggerFactory.getLogger(Executor.class)` [static, protected]

This is the debug logger

Definition at line 58 of file Executor.java.

Referenced by xtremweb.core.exec.Executor.flushPipe(), xtremweb.core.exec.JavaByteCodeExecutor.setJVM(), xtremweb.core.exec.Executor.start(), and xtremweb.core.exec.Executor.stop().

#### **5.82.4.6 Runtime xtremweb.core.exec.Executor.machine = Runtime.getRuntime() [private]**

This is the execution Runtime

Definition at line 40 of file Executor.java.

Referenced by xtremweb.core.exec.Executor.start().

#### **5.82.4.7 Process xtremweb.core.exec.Executor.process = null [private]**

This is the managed process

Definition at line 37 of file Executor.java.

Referenced by xtremweb.core.exec.Executor.flushPipe(), xtremweb.core.exec.Executor.start(), xtremweb.core.exec.Executor.stop(), xtremweb.core.exec.Executor.waitFor(), and xtremweb.core.exec.Executor.writeMessage().

#### **5.82.4.8 final int xtremweb.core.exec.Executor.SLEEP\_UNIT = 50 [static, private]**

This is the timer period

Definition at line 48 of file Executor.java.

Referenced by xtremweb.core.exec.Executor.start(), and xtremweb.core.exec.Executor.waitFor().

#### **5.82.4.9 OutputStream xtremweb.core.exec.Executor.stderr = null [protected]**

This is the process standard error

Definition at line 34 of file Executor.java.

Referenced by xtremweb.core.exec.Executor.Executor(), xtremweb.core.exec.Executor.flushPipe(), xtremweb.core.exec.Executor.getStderr(), and xtremweb.core.exec.Executor.setStderr().

#### **5.82.4.10 InputStream xtremweb.core.exec.Executor.stdin = null [protected]**

This is the process standard input

Definition at line 30 of file Executor.java.

Referenced by xtremweb.core.exec.Executor.Executor(), xtremweb.core.exec.Executor.flushPipe(), xtremweb.core.exec.Executor.getStdin(), and xtremweb.core.exec.Executor.setStdin().

#### **5.82.4.11 OutputStream xtremweb.core.exec.Executor.stdout = null [protected]**

This is the process standard output

Definition at line 32 of file Executor.java.

Referenced by xtremweb.core.exec.Executor.Executor(), xtremweb.core.exec.Executor.flushPipe(), xtremweb.core.exec.Executor.getStdout(), and xtremweb.core.exec.Executor.setStdout().

#### 5.82.4.12 Timer **xtremweb.core.exec.Executor.timer = new Timer()** [private]

This is a timer; it helps to periodically check process status and to flush I/O

Definition at line 54 of file Executor.java.

Referenced by xtremweb.core.exec.Executor.flushPipe(), xtremweb.core.exec.Executor.start(), and xtremweb.core.exec.Executor.waitFor().

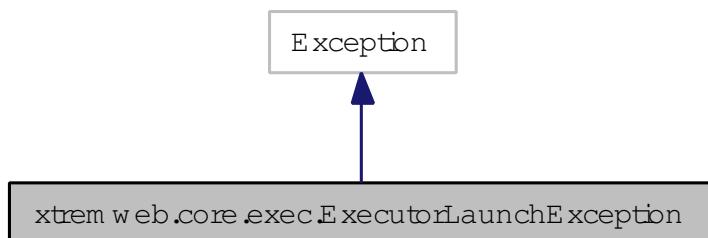
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/exec/[Executor.java](#)

## 5.83 xtremweb.core.exec.ExecutorLaunchException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.core.exec.ExecutorLaunchException:



### Public Member Functions

- [ExecutorLaunchException \(\)](#)

#### 5.83.1 Detailed Description

[ExecutorLaunchException.java](#)

Created: Sun Mar 28 22:21:40 2004

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 12 of file ExecutorLaunchException.java.

#### 5.83.2 Constructor & Destructor Documentation

##### 5.83.2.1 xtremweb.core.exec.ExecutorLaunchException.ExecutorLaunchException ()

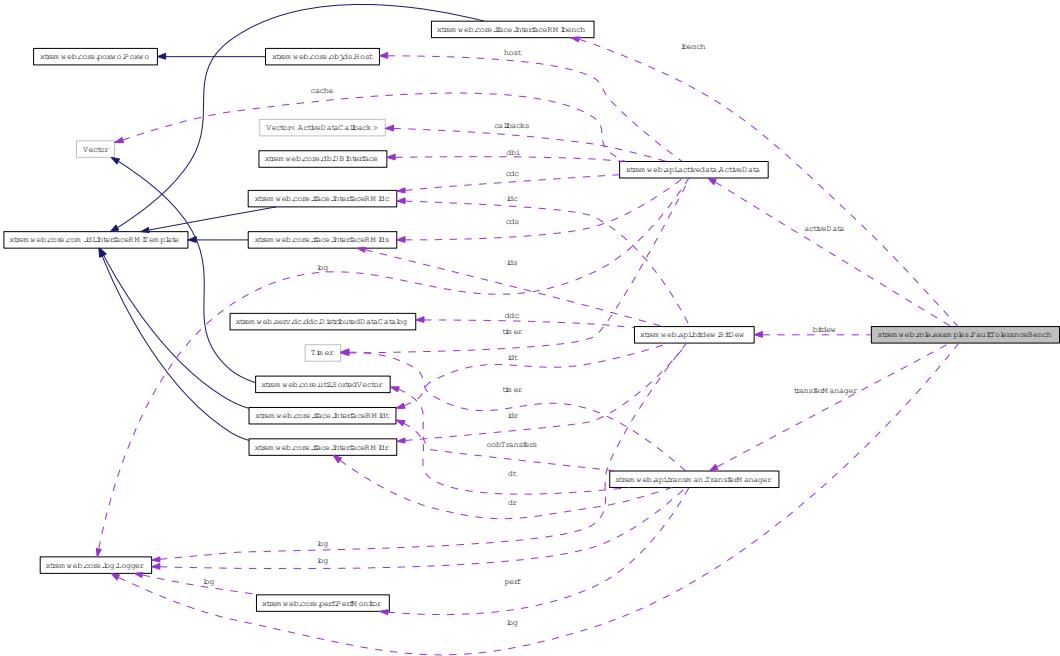
Definition at line 14 of file ExecutorLaunchException.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/exec/[ExecutorLaunchException.java](#)

## 5.84 xtremweb.role.examples.FaultToleranceBench Class Reference

## Collaboration diagram for xtremweb.role.examples.FaultToleranceBench:



## Classes

- class `BroadcastCallback`

## Public Member Functions

- **FaultToleranceBench** (String host, int port, boolean master, String dir, int w, String mh) throws Exception

## Static Public Member Functions

- static void **main** (String[ ] args) throws Exception

## Package Attributes

- `Logger log = LoggerFactory.getLogger(Broadcast.class)`
  - `BitDew bitdew = null`
  - `ActiveData activeData = null`
  - `TransferManager transferManager = null`
  - `String _dir`
  - `InterfaceRMIBench ibench = null`
  - `long myrank`

- String `hostName` = "prout"
- int `workers`
- long `start`
- long `dataScheduled`
- long `end`

### 5.84.1 Detailed Description

Definition at line 25 of file FaultToleranceBench.java.

### 5.84.2 Constructor & Destructor Documentation

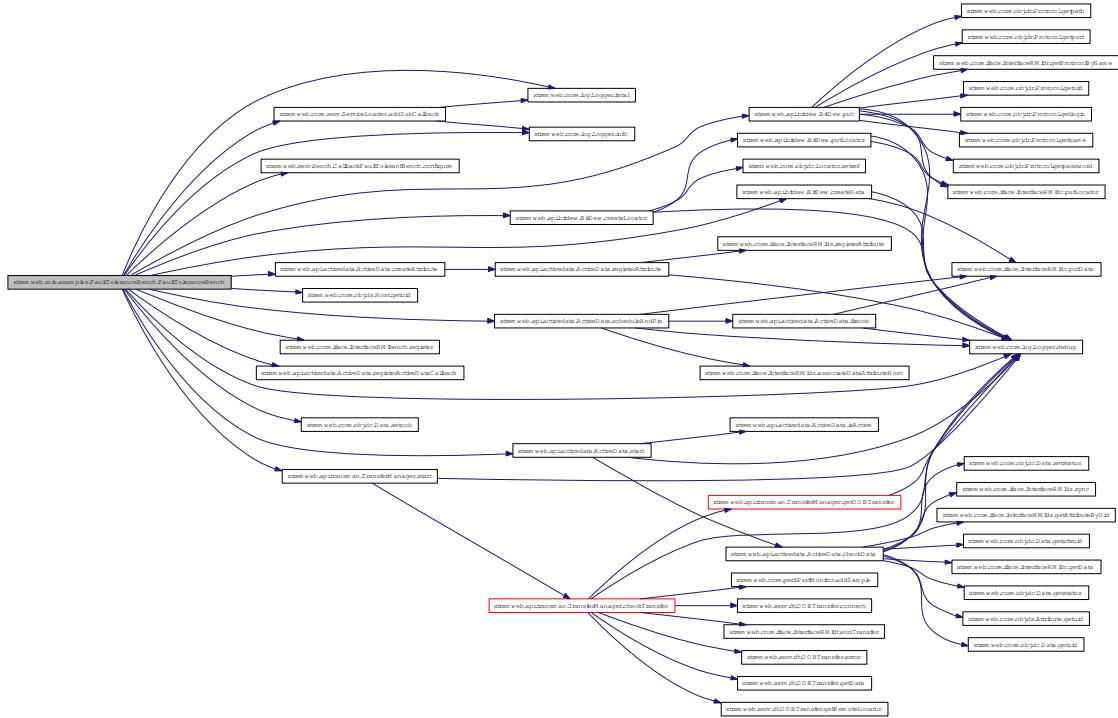
#### 5.84.2.1 `xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench (String host, int port, boolean master, String dir, int w, String mh) throws Exception`

Definition at line 43 of file FaultToleranceBench.java.

References `xtremweb.role.examples.FaultToleranceBench._dir`, `xtremweb.role.examples.FaultToleranceBench.activeData`, `xtremweb.core.serv.ServiceLoader.addSubCallback()`, `xtremweb.role.examples.FaultToleranceBench.bitdew`, `xtremweb.serv.bench.CallbackFaultTolerantBench.configure()`, `xtremweb.api.activedata.ActiveData.createAttribute()`, `xtremweb.api.bitdew.BitDew.createData()`, `xtremweb.api.bitdew.BitDew.createLocator()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.core.log.Logger.fatal()`, `xtremweb.core.obj.ds.Host.getuid()`, `xtremweb.role.examples.FaultToleranceBench.hostName`, `xtremweb.role.examples.FaultToleranceBench.ibench`, `xtremweb.core.log.Logger.info()`, `xtremweb.role.examples.FaultToleranceBench.log`, `xtremweb.role.examples.FaultToleranceBench.myrank`, `xtremweb.api.bitdew.BitDew.put()`, `xtremweb.core iface.InterfaceRMIBench.register()`, `xtremweb.api.activedata.ActiveData.registerActiveDataCallback()`, `xtremweb.api.activedata.ActiveData.scheduleAndPin()`, `xtremweb.core.obj.dc.Data.setoob()`, `xtremweb.api.activedata.ActiveData.start()`, `xtremweb.role.examples.FaultToleranceBench.start`, `xtremweb.api.transman.TransferManager.start()`, `xtremweb.role.examples.FaultToleranceBench.transferManager`, and `xtremweb.role.examples.FaultToleranceBench.workers`.

Referenced by `xtremweb.role.examples.FaultToleranceBench.main()`.

Here is the call graph for this function:



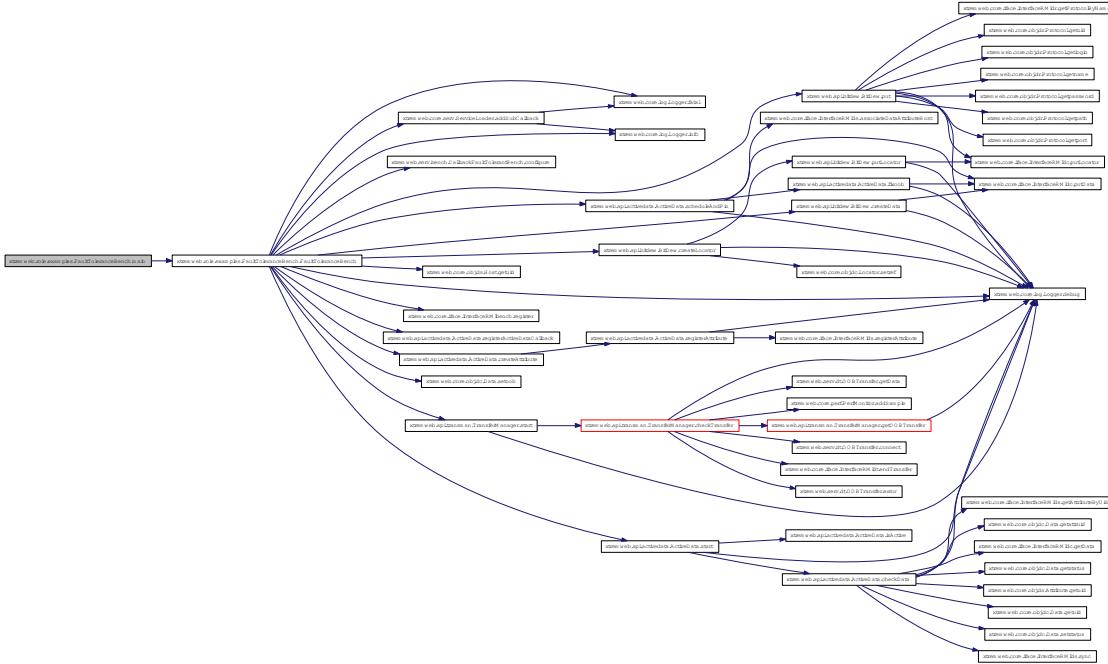
### 5.84.3 Member Function Documentation

#### 5.84.3.1 static void xtremweb.role.examples.FaultToleranceBench.main (String[ ] args) throws Exception [static]

Definition at line 131 of file FaultToleranceBench.java.

References      `xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench()`,      and `xtremweb.role.examples.FaultToleranceBench.workers`.

Here is the call graph for this function:



#### 5.84.4 Member Data Documentation

##### 5.84.4.1 String xtremweb.role.examples.FaultToleranceBench.\_dir [package]

Definition at line 31 of file FaultToleranceBench.java.

Referenced by `xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench()`, and `xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled()`.

##### 5.84.4.2 ActiveData xtremweb.role.examples.FaultToleranceBench.activeData = null [package]

Definition at line 29 of file FaultToleranceBench.java.

Referenced by `xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench()`.

##### 5.84.4.3 BitDew xtremweb.role.examples.FaultToleranceBench.bitdew = null [package]

Definition at line 28 of file FaultToleranceBench.java.

Referenced by `xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench()`, and `xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled()`.

##### 5.84.4.4 long xtremweb.role.examples.FaultToleranceBench.dataScheduled [package]

Definition at line 40 of file FaultToleranceBench.java.

Referenced by `xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled()`.

**5.84.4.5 long xtremweb.role.examples.FaultToleranceBench.end [package]**

Definition at line 41 of file FaultToleranceBench.java.

Referenced by xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled().

**5.84.4.6 String xtremweb.role.examples.FaultToleranceBench.hostName = "prout" [package]**

Definition at line 36 of file FaultToleranceBench.java.

Referenced by xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), and xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled().

**5.84.4.7 InterfaceRMIbench xtremweb.role.examples.FaultToleranceBench.ibench = null [package]**

Definition at line 33 of file FaultToleranceBench.java.

Referenced by xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench().

**5.84.4.8 Logger xtremweb.role.examples.FaultToleranceBench.log = LoggerFactory.getLogger(Broadcast.class) [package]**

Definition at line 27 of file FaultToleranceBench.java.

Referenced by xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), and xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled().

**5.84.4.9 long xtremweb.role.examples.FaultToleranceBench.myrank [package]**

Definition at line 34 of file FaultToleranceBench.java.

Referenced by xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench().

**5.84.4.10 long xtremweb.role.examples.FaultToleranceBench.start [package]**

Definition at line 39 of file FaultToleranceBench.java.

Referenced by xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), and xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled().

**5.84.4.11 TransferManager xtremweb.role.examples.FaultToleranceBench.transferManager = null [package]**

Definition at line 30 of file FaultToleranceBench.java.

Referenced by xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), and xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled().

**5.84.4.12 int xtremweb.role.examples.FaultToleranceBench.workers [package]**

Definition at line 37 of file FaultToleranceBench.java.

Referenced by `xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench()`, and `xtremweb.role.examples.FaultToleranceBench.main()`.

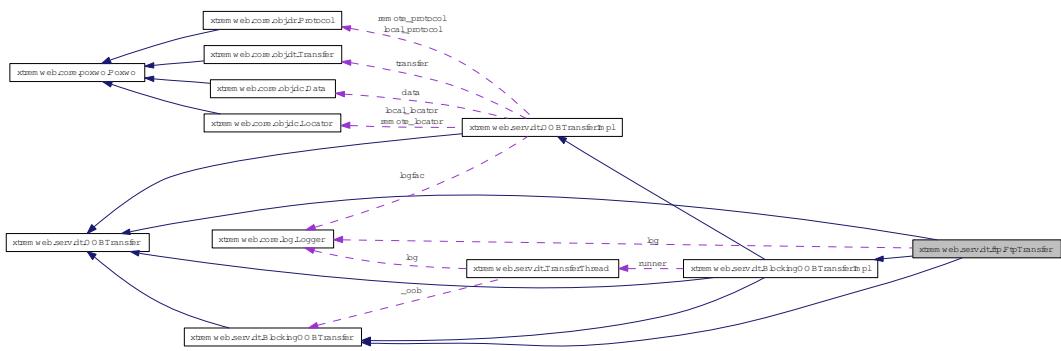
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[FaultToleranceBench.java](#)

## 5.85 xtremweb.serv.dt.ftp.FtpTransfer Class Reference

Inherits [xtremweb::serv::dt::BlockingOOBTransferImpl](#), [xtremweb::serv::dt::BlockingOOBTransfer](#), and [xtremweb::serv::dt::OOBTransfer](#).

Collaboration diagram for `xtremweb.serv.dt.ftp.FtpTransfer`:



### Public Member Functions

- `FtpTransfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`
- `String ftptoString ()`
- `void connect () throws OOBException`
- `void blockingSendSenderSide () throws OOBException`
- `void blockingSendReceiverSide () throws OOBException`
- `void blockingReceiveReceiverSide () throws OOBException`
- `void blockingReceiveSenderSide () throws OOBException`
- `void disconnect () throws OOBException`

### Static Public Member Functions

- `static void main (String[ ] args)`

### Protected Attributes

- `FTPClient ftp`

### Static Protected Attributes

- `static Logger log = LoggerFactory.getLogger(FtpTransfer.class)`

#### 5.85.1 Detailed Description

Definition at line 24 of file `FtpTransfer.java`.

## 5.85.2 Constructor & Destructor Documentation

### 5.85.2.1 xtremweb.serv.dt.ftp.FtpTransfer (Data *d*, Transfer *t*, Locator *rl*, Locator *ll*, Protocol *rp*, Protocol *lp*)

Definition at line 32 of file FtpTransfer.java.

References `xtremweb.core.obj.dt.Transfer.setoob()`, `xtremweb.serv.dt.OOBTransferImpl.toString()`, and `xtremweb.serv.dt.OOBTransferImpl.transfer`.

Referenced by `xtremweb.serv.dt.ftp.FtpTransfer.main()`.

Here is the call graph for this function:



## 5.85.3 Member Function Documentation

### 5.85.3.1 void xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide () throws OOBException

`blockingReceiveReceiverSide` implements the blocking receive from the Receiver side

#### Exceptions:

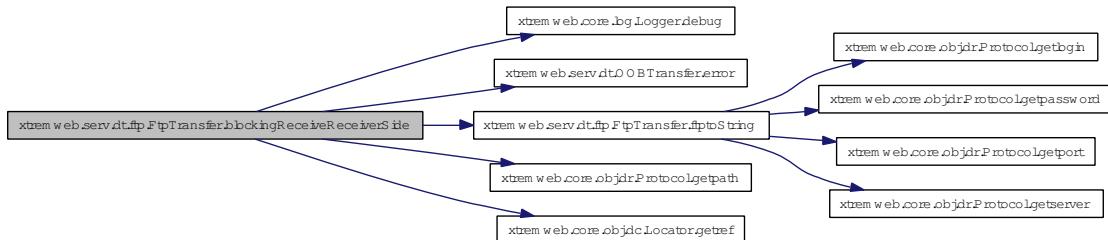
**`OOBException`** if an error occurs

Implements `xtremweb.serv.dt.BlockingOOBTransfer`.

Definition at line 94 of file FtpTransfer.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.OOBTransfer.error()`, `xtremweb.serv.dt.ftp.FtpTransfer.ftp`, `xtremweb.serv.dt.ftp.FtpTransfer.ftptoString()`, `xtremweb.core.obj.dr.Protocol.getpath()`, `xtremweb.core.obj.dc.Locator.getref()`, `xtremweb.serv.dt.OOBTransferImpl.local_locator`, `xtremweb.serv.dt.ftp.FtpTransfer.log`, `xtremweb.serv.dt.OOBTransferImpl.remote_locator`, and `xtremweb.serv.dt.OOBTransferImpl.remote_protocol`.

Here is the call graph for this function:



### 5.85.3.2 void xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveSenderSide () throws OOBException

blockingReceiveSenderSide implements the blocking receive from the Sender side

#### Exceptions:

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 118 of file FtpTransfer.java.

### 5.85.3.3 void xtremweb.serv.dt.ftp.FtpTransfer.blockingSendReceiverSide () throws OOBException

blockingSendReceiverSide implements the blocking send method from the Receiver side

#### Exceptions:

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 92 of file FtpTransfer.java.

### 5.85.3.4 void xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide () throws OOBException

blockingSendSenderSide implements the blocking Send method from the Sender side

#### Exceptions:

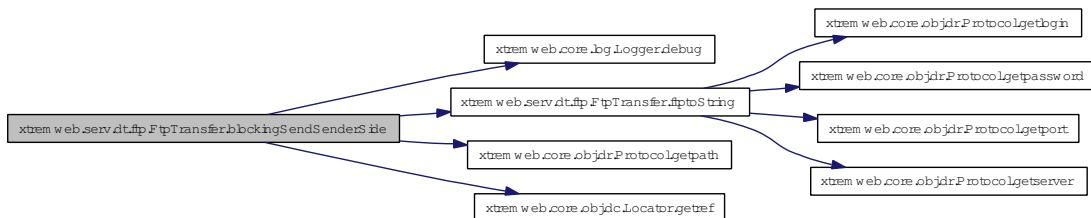
*OOBException* if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 74 of file FtpTransfer.java.

References [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.serv.dt.ftp.FtpTransfer.ftpToString\(\)](#), [xtremweb.core.obj.dr.Protocol.getpath\(\)](#), [xtremweb.core.obj.dc.Locator.getref\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#), [xtremweb.serv.dt.ftp.FtpTransfer.log](#), [xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), and [xtremweb.serv.dt.OOBTransferImpl.remote\\_protocol](#).

Here is the call graph for this function:



### 5.85.3.5 void xtremweb.serv.dt.ftp.FtpTransfer.connect () throws OOBException

connect

#### Exceptions:

***OOBException*** if an error occurs

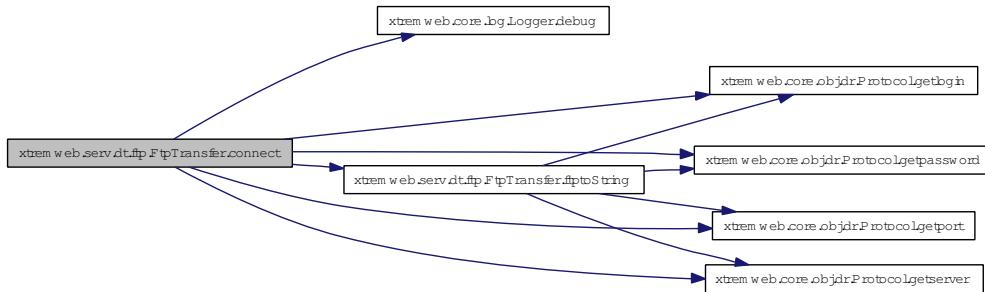
Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 40 of file FtpTransfer.java.

References xtremweb.core.log.Logger.debug(), xtremweb.serv.dt.ftp.FtpTransfer.ftpToString(), xtremweb.core.obj.dr.Protocol.getlogin(), xtremweb.core.obj.dr.Protocol.getpassword(), xtremweb.core.obj.dr.Protocol.getserver(), xtremweb.serv.dt.ftp.FtpTransfer.log, and xtremweb.serv.dt.OOBTransferImpl.remote\_protocol.

Referenced by [xtremweb.serv.dt.ftp.FtpTransfer.main\(\)](#).

Here is the call graph for this function:



### 5.85.3.6 void xtremweb.serv.dt.ftp.FtpTransfer.disconnect () throws OOBException

Describe disconnect method here.

#### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 121 of file FtpTransfer.java.

References [xtremweb.serv.dt.ftp.FtpTransfer.ftp](#).

Referenced by [xtremweb.serv.dt.ftp.FtpTransfer.main\(\)](#).

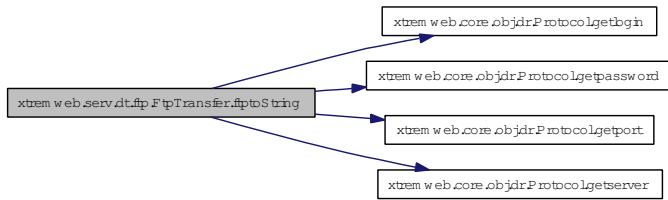
### 5.85.3.7 String xtremweb.serv.dt.ftp.FtpTransfer.ftpToString ()

Definition at line 37 of file FtpTransfer.java.

References xtremweb.core.obj.dr.Protocol.getlogin(), xtremweb.core.obj.dr.Protocol.getpassword(), xtremweb.core.obj.dr.Protocol.getport(), xtremweb.core.obj.dr.Protocol.getserver(), and xtremweb.serv.dt.OOBTransferImpl.remote\_protocol.

Referenced by xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.ftp.FtpTransfer.connect(), and xtremweb.serv.dt.ftp.FtpTransfer.main().

Here is the call graph for this function:

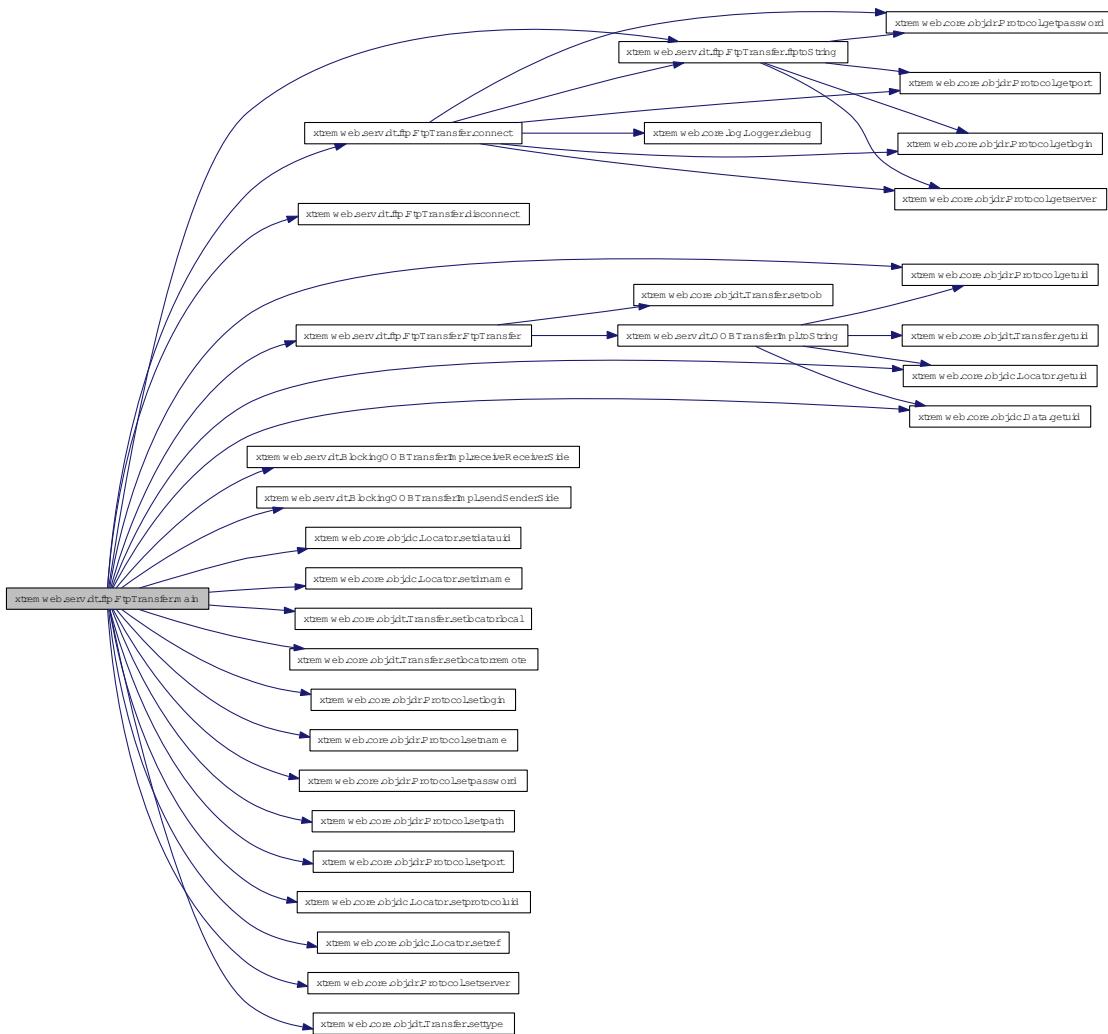


#### 5.85.3.8 static void xtremweb.serv.dt.ftp.FtpTransfer.main (String[ ] args) [static]

Definition at line 133 of file FtpTransfer.java.

References xtremweb.serv.dt.ftp.FtpTransfer.connect(), xtremweb.serv.dt.OOBTransferImpl.data, xtremweb.serv.dt.ftp.FtpTransfer.disconnect(), xtremweb.serv.dt.ftp.FtpTransfer.ftp, xtremweb.serv.dt.ftp.FtpTransfer.ftptoString(), xtremweb.serv.dt.ftp.FtpTransfer.FtpTransfer(), xtremweb.core.obj.dc.Locator.getuid(), xtremweb.core.obj.dr.Protocol.getuid(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.serv.dt.OOBTransferImpl.local\_locator, xtremweb.serv.dt.BlockingOOBTransferImpl.receiveReceiverSide(), xtremweb.serv.dt.OOBTransferImpl.remote\_locator, xtremweb.serv.dt.BlockingOOBTransferImpl.sendSenderSide(), xtremweb.core.obj.dc.Locator.setdatauid(), xtremweb.core.obj.dc.Locator.setdrname(), xtremweb.core.obj.dt.Transfer.setlocatorlocal(), xtremweb.core.obj.dt.Transfer.setlocatorremote(), xtremweb.core.obj.dr.Protocol.setlogin(), xtremweb.core.obj.dr.Protocol.setpassword(), xtremweb.core.obj.dr.Protocol.setport(), xtremweb.core.obj.dc.Locator.setref(), xtremweb.core.obj.dr.Protocol.setserver(), and xtremweb.core.obj.dt.Transfer.settype().

Here is the call graph for this function:



#### **5.85.4 Member Data Documentation**

#### **5.85.4.1 FTPClient xtremweb.serv.dt.ftp.FtpTransfer.ftp [protected]**

Definition at line 28 of file FtpTransfer.java.

Referenced by xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide(),  
xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.ftp.FtpTransfer.connect(),  
xtremweb.serv.dt.ftp.FtpTransfer.disconnect(), and xtremweb.serv.dt.ftp.FtpTransfer.main().

**5.85.4.2 Logger xtremweb.serv.dt.ftp.FtpTransfer.log = LoggerFactory.getLogger(FtpTransfer.class) [static, protected]**

Definition at line 30 of file FtpTransfer.java.

Referenced by xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide(),

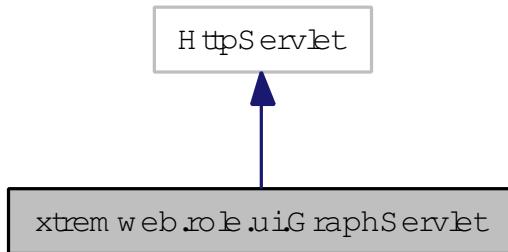
xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide(), and xtremweb.serv.dt.ftp.FtpTransfer.connect().  
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/ftp/[FtpTransfer.java](#)

## 5.86 xtremweb.role.ui.GraphServlet Class Reference

Inherits javax::servlet::http::HttpServlet.

Collaboration diagram for xtremweb.role.ui.GraphServlet:



### Public Member Functions

- [GraphServlet \(\)](#)
- void [doGet](#) (HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException

#### 5.86.1 Detailed Description

Definition at line 26 of file GraphServlet.java.

#### 5.86.2 Constructor & Destructor Documentation

##### 5.86.2.1 xtremweb.role.ui.GraphServlet.GraphServlet ()

Creates a new [GraphServlet](#) instance.

Definition at line 32 of file GraphServlet.java.

#### 5.86.3 Member Function Documentation

##### 5.86.3.1 void xtremweb.role.ui.GraphServlet.doGet (HttpServletRequest *request*, HttpServletResponse *response*) throws ServletException, IOException

Definition at line 36 of file GraphServlet.java.

References xtremweb.core.perf.PerfMonitor.getTitle().

Here is the call graph for this function:



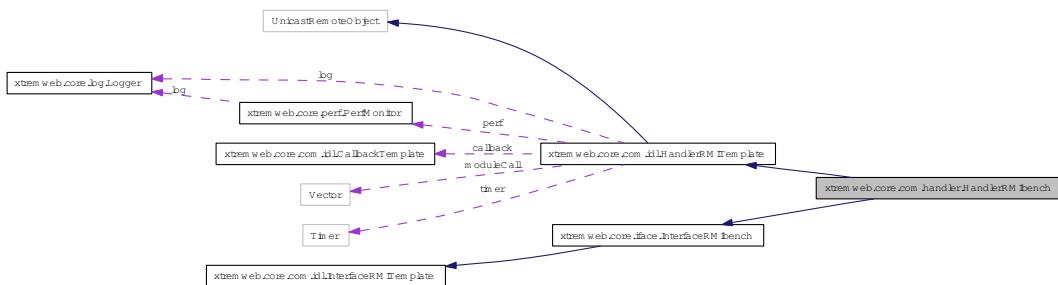
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/ui/[GraphServlet.java](#)

## 5.87 xtremweb.core.com.handler.HandlerRMIBench Class Reference

Inherits [xtremweb::core::com::idl::HandlerRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIBench](#).

Collaboration diagram for `xtremweb.core.com.handler.HandlerRMIBench`:



### Public Member Functions

- [HandlerRMIBench \(\) throws RemoteException](#)
- [long register \(String hostName\) throws RemoteException](#)
- [long startExperience \(\) throws RemoteException](#)
- [Data startExperienceBroadcast \(\) throws RemoteException](#)
- [void endExperience \(long workerid, long measure, String\[\] vecteur\) throws RemoteException](#)
- [String\[\] getValues \(\) throws RemoteException](#)

#### 5.87.1 Detailed Description

Definition at line 27 of file HandlerRMIBench.java.

#### 5.87.2 Constructor & Destructor Documentation

##### 5.87.2.1 [xtremweb.core.com.handler.HandlerRMIBench.HandlerRMIBench \(\) throws RemoteException](#)

Definition at line 29 of file HandlerRMIBench.java.

References [xtremweb.core.com.idl.HandlerRMITemplate.modulePerf](#), and [xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor\(\)](#).

Here is the call graph for this function:



### 5.87.3 Member Function Documentation

**5.87.3.1 void xtremweb.core.com.handler.HandlerRMIBench.endExperience (long *workerid*, long *measure*, String[] *vecteur*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIBench](#).

Definition at line 57 of file HandlerRMIBench.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.87.3.2 String[] xtremweb.core.com.handler.HandlerRMIBench.getValues () throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIBench](#).

Definition at line 64 of file HandlerRMIBench.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.87.3.3 long xtremweb.core.com.handler.HandlerRMIBench.register (String *hostName*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIBench](#).

Definition at line 36 of file HandlerRMIBench.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.87.3.4 long xtremweb.core.com.handler.HandlerRMIBench.startExperience () throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIBench](#).

Definition at line 43 of file HandlerRMIBench.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.87.3.5 Data xtremweb.core.com.handler.HandlerRMIBench.startExperienceBroadcast () throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIBench](#).

Definition at line 50 of file HandlerRMIBench.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

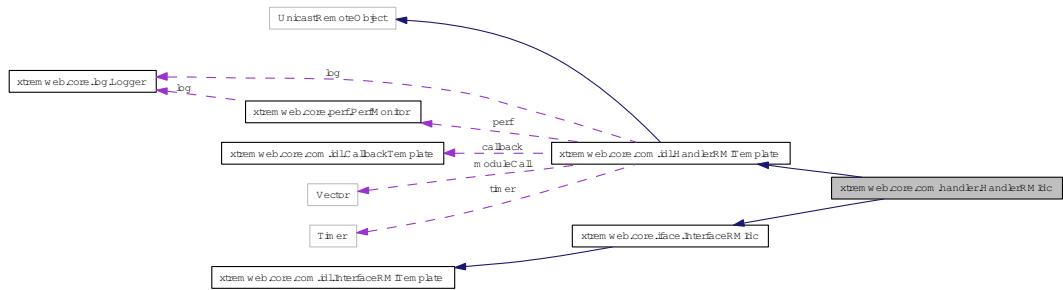
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bidew/trunk-1/src/xtremweb/core/com/handler/[HandlerRMIBench.java](#)

## 5.88 xtremweb.core.com.handler.HandlerRMIdc Class Reference

Inherits [xtremweb::core::com::idl::HandlerRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIdc](#).

Collaboration diagram for `xtremweb.core.com.handler.HandlerRMIdc`:



### Public Member Functions

- `HandlerRMIdc()` throws `RemoteException`
- `Data createData (String name, String checksum, long size, int type)` throws `RemoteException`
- `Data createData ()` throws `RemoteException`
- `void putData (Data data)` throws `RemoteException`
- `Data getData (String uid)` throws `RemoteException`
- `void setDataStatus (String uid, int status)` throws `RemoteException`
- `void deleteData (Data data)` throws `RemoteException`
- `void putLocator (Locator locator)` throws `RemoteException`
- `Locator getLocatorByDataUID (String datauid)` throws `RemoteException`
- `String getDDCEEntryPoint ()` throws `RemoteException`

#### 5.88.1 Detailed Description

Definition at line 27 of file HandlerRMIdc.java.

#### 5.88.2 Constructor & Destructor Documentation

##### 5.88.2.1 `xtremweb.core.com.handler.HandlerRMIdc.HandlerRMIdc () throws RemoteException`

Definition at line 29 of file HandlerRMIdc.java.

References [xtremweb.core.com.idl.HandlerRMITemplate.modulePerf](#), and [xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor\(\)](#).

Here is the call graph for this function:



### 5.88.3 Member Function Documentation

#### 5.88.3.1 Data `xtremweb.core.com.handler.HandlerRMIdc.createData () throws RemoteException [virtual]`

Implements [xtremweb.core iface InterfaceRMIdc](#).

Definition at line 43 of file HandlerRMIdc.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

Referenced by `xtremweb.core.com.handler.HandlerRMIdc.createData()`.

#### 5.88.3.2 Data `xtremweb.core.com.handler.HandlerRMIdc.createData (String name, String checksum, long size, int type) throws RemoteException [virtual]`

Implements [xtremweb.core iface InterfaceRMIdc](#).

Definition at line 36 of file HandlerRMIdc.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.handler.HandlerRMIdc.createData(), xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

Here is the call graph for this function:



#### 5.88.3.3 void `xtremweb.core.com.handler.HandlerRMIdc.deleteData (Data data) throws RemoteException [virtual]`

Implements [xtremweb.core iface InterfaceRMIdc](#).

Definition at line 71 of file HandlerRMIdc.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

#### 5.88.3.4 Data `xtremweb.core.com.handler.HandlerRMIdc.getData (String uid) throws RemoteException [virtual]`

Implements [xtremweb.core iface InterfaceRMIdc](#).

Definition at line 57 of file HandlerRMIdc.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

#### 5.88.3.5 String `xtremweb.core.com.handler.HandlerRMIdc.getDDCEntryPoint () throws RemoteException [virtual]`

Implements [xtremweb.core iface InterfaceRMIdc](#).

Definition at line 92 of file HandlerRMIdc.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

#### **5.88.3.6 Locator [xtremweb.core.com.handler.HandlerRMIdc.getLocatorByDataUID](#) (String *datauid*) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 85 of file HandlerRMIdc.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

#### **5.88.3.7 void [xtremweb.core.com.handler.HandlerRMIdc.putData](#) (Data *data*) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 50 of file HandlerRMIdc.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

#### **5.88.3.8 void [xtremweb.core.com.handler.HandlerRMIdc.putLocator](#) (Locator *locator*) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 78 of file HandlerRMIdc.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

#### **5.88.3.9 void [xtremweb.core.com.handler.HandlerRMIdc.setDataStatus](#) (String *uid*, int *status*) throws RemoteException [virtual]**

Implements [xtremweb.core iface.InterfaceRMIdc](#).

Definition at line 64 of file HandlerRMIdc.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

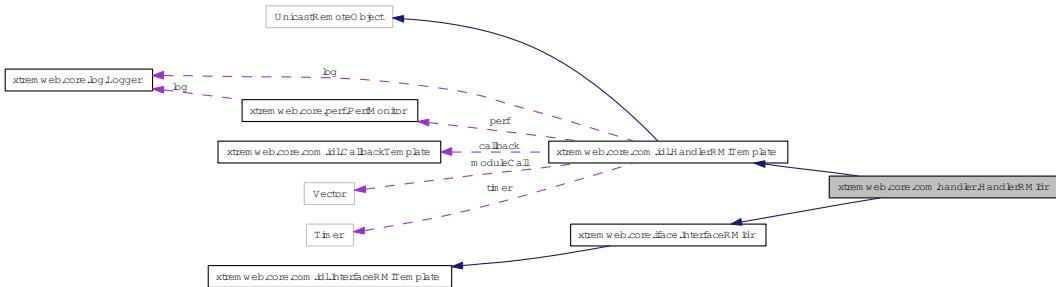
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/handler/[HandlerRMIdc.java](#)

## 5.89 xtremweb.core.com.handler.HandlerRMIdr Class Reference

Inherits [xtremweb::core::com::idl::HandlerRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIdr](#).

Collaboration diagram for `xtremweb.core.com.handler.HandlerRMIdr`:



### Public Member Functions

- `HandlerRMIdr () throws RemoteException`
- `void registerProtocol (Protocol proto) throws RemoteException`
- `Protocol getProtocolByName (String name) throws RemoteException`
- `Protocol getProtocolByUID (String name) throws RemoteException`
- `String getRef (String datauid) throws RemoteException`

#### 5.89.1 Detailed Description

Definition at line 27 of file `HandlerRMIdr.java`.

#### 5.89.2 Constructor & Destructor Documentation

##### 5.89.2.1 xtremweb.core.com.handler.HandlerRMIdr.HandlerRMIdr () throws RemoteException

Definition at line 29 of file `HandlerRMIdr.java`.

References [xtremweb.core.com.idl.HandlerRMITemplate.modulePerf](#), and [xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor\(\)](#).

Here is the call graph for this function:



#### 5.89.3 Member Function Documentation

##### 5.89.3.1 Protocol `xtremweb.core.com.handler.HandlerRMIdr.getProtocolByName (String name) throws RemoteException [virtual]`

Implements [xtremweb.core iface InterfaceRMIdr](#).

Definition at line 43 of file HandlerRMIdr.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.89.3.2 Protocol [xtremweb.core.com.handler.HandlerRMIdr](#).getProtocolByUID (String *name*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdr](#).

Definition at line 50 of file HandlerRMIdr.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.89.3.3 String [xtremweb.core.com.handler.HandlerRMIdr](#).getRef (String *datauid*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdr](#).

Definition at line 57 of file HandlerRMIdr.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.89.3.4 void [xtremweb.core.com.handler.HandlerRMIdr](#).registerProtocol (Protocol *proto*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdr](#).

Definition at line 36 of file HandlerRMIdr.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

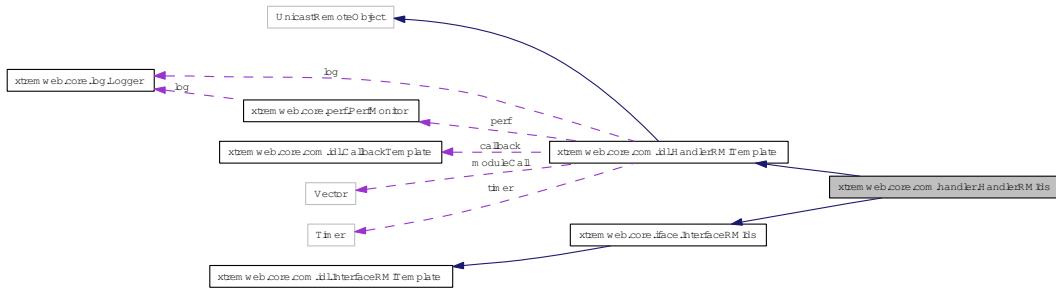
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/handler/[HandlerRMIdr.java](#)

## 5.90 xtremweb.core.com.handler.HandlerRMIds Class Reference

Inherits [xtremweb::core::com::idl::HandlerRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIds](#).

Collaboration diagram for xtremweb.core.com.handler.HandlerRMIds:



### Public Member Functions

- [HandlerRMIds \(\) throws RemoteException](#)
- [Attribute registerAttribute \(Attribute attribute\) throws RemoteException](#)
- [Attribute getAttributeByUid \(String uid\) throws RemoteException](#)
- [void associateDataAttribute \(Data data, Attribute attribute\) throws RemoteException](#)
- [void associateDataAttributeHost \(Data data, Attribute attribute, Host host\) throws RemoteException](#)
- [void associateDataHost \(Data data, Host host\) throws RemoteException](#)
- [void removeData \(Data data\) throws RemoteException](#)
- [Vector sync \(Host host, Vector datas\) throws RemoteException](#)

#### 5.90.1 Detailed Description

Definition at line 27 of file HandlerRMIds.java.

#### 5.90.2 Constructor & Destructor Documentation

##### 5.90.2.1 xtremweb.core.com.handler.HandlerRMIds.HandlerRMIds () throws RemoteException

Definition at line 29 of file HandlerRMIds.java.

References [xtremweb.core.com.idl.HandlerRMITemplate.modulePerf](#), and [xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor\(\)](#).

Here is the call graph for this function:



### 5.90.3 Member Function Documentation

**5.90.3.1 void xtremweb.core.com.handler.HandlerRMIds.associateDataAttribute (Data *data*, Attribute *attribute*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 50 of file HandlerRMIds.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.90.3.2 void xtremweb.core.com.handler.HandlerRMIds.associateDataAttributeHost (Data *data*, Attribute *attribute*, Host *host*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 57 of file HandlerRMIds.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.90.3.3 void xtremweb.core.com.handler.HandlerRMIds.associateDataHost (Data *data*, Host *host*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 64 of file HandlerRMIds.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.90.3.4 Attribute xtremweb.core.com.handler.HandlerRMIds.getAttributeByUid (String *uid*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 43 of file HandlerRMIds.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.90.3.5 Attribute xtremweb.core.com.handler.HandlerRMIds.registerAttribute (Attribute *attribute*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 36 of file HandlerRMIds.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.90.3.6 void xtremweb.core.com.handler.HandlerRMIds.removeData (Data *data*) throws  
RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 71 of file HandlerRMIds.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.90.3.7 Vector xtremweb.core.com.handler.HandlerRMIds.sync (Host *host*, Vector *datas*) throws  
RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIds](#).

Definition at line 78 of file HandlerRMIds.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

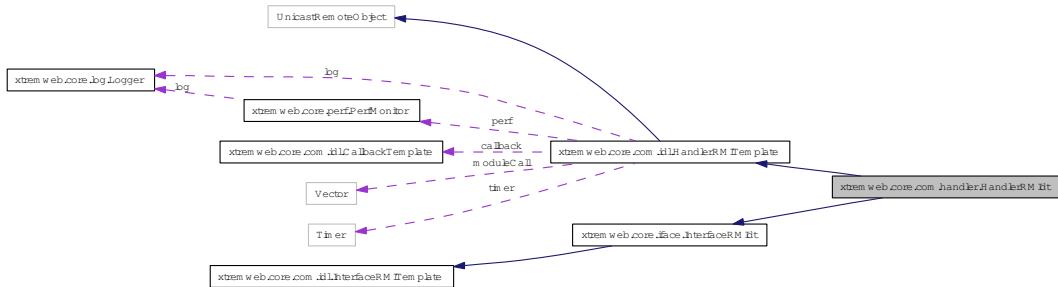
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/handler/[HandlerRMIds.java](#)

## 5.91 xtremweb.core.com.handler.HandlerRMIdt Class Reference

Inherits [xtremweb::core::com::idl::HandlerRMITemplate](#), and [xtremweb::core::iface::InterfaceRMIdt](#).

Collaboration diagram for `xtremweb.core.com.handler.HandlerRMIdt`:



### Public Member Functions

- `HandlerRMIdt()` throws `RemoteException`
- `int registerTransfer(Transfer transfer, Data data, Protocol protocol, Locator locator)` throws `RemoteException`
- `int startTransfer(String transfer)` throws `RemoteException`
- `void setTransferStatus(String transfer, int status)` throws `RemoteException`
- `boolean poolTransfer(String transfer)` throws `RemoteException`
- `int endTransfer(String transfer)` throws `RemoteException`
- `int abortTransfer(String transfer)` throws `RemoteException`
- `void putTransfer(Transfer transfer)` throws `RemoteException`

#### 5.91.1 Detailed Description

Definition at line 27 of file `HandlerRMIdt.java`.

#### 5.91.2 Constructor & Destructor Documentation

##### 5.91.2.1 `xtremweb.core.com.handler.HandlerRMIdt.HandlerRMIdt() throws RemoteException`

Definition at line 29 of file `HandlerRMIdt.java`.

References [xtremweb.core.com.idl.HandlerRMITemplate.modulePerf](#), and [xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor\(\)](#).

Here is the call graph for this function:



### 5.91.3 Member Function Documentation

**5.91.3.1 int xtremweb.core.com.handler.HandlerRMIdt.abortTransfer (String *transfer*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 71 of file HandlerRMIdt.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.91.3.2 int xtremweb.core.com.handler.HandlerRMIdt.endTransfer (String *transfer*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 64 of file HandlerRMIdt.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.91.3.3 boolean xtremweb.core.com.handler.HandlerRMIdt.poolTransfer (String *transfer*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 57 of file HandlerRMIdt.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.91.3.4 void xtremweb.core.com.handler.HandlerRMIdt.putTransfer (Transfer *transfer*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 78 of file HandlerRMIdt.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.91.3.5 int xtremweb.core.com.handler.HandlerRMIdt.registerTransfer (Transfer *transfer*, Data *data*, Protocol *protocol*, Locator *locator*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 36 of file HandlerRMIdt.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.91.3.6 void xtremweb.core.com.handler.HandlerRMIdt.setTransferStatus (String *transfer*, int *status*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 50 of file HandlerRMIdt.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

**5.91.3.7 int xtremweb.core.com.handler.HandlerRMIdt.startTransfer (String *transfer*) throws RemoteException [virtual]**

Implements [xtremweb.core iface InterfaceRMIdt](#).

Definition at line 43 of file HandlerRMIdt.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.modulePerf, and xtremweb.core.com.idl.HandlerRMITemplate.perf.

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

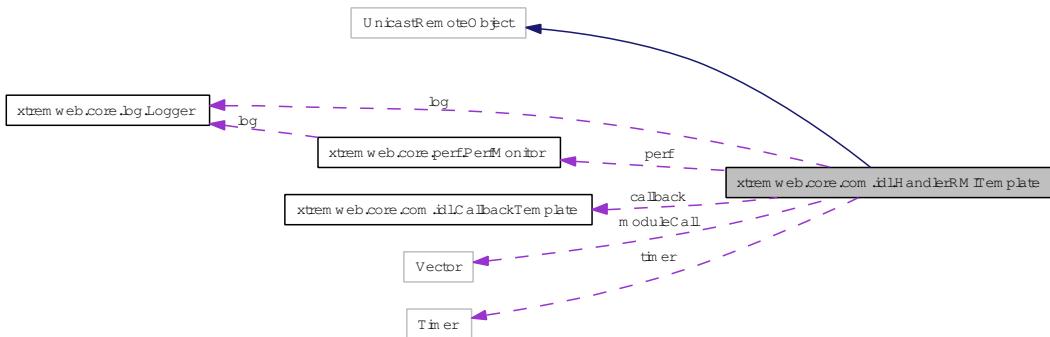
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/handler/[HandlerRMIdt.java](#)

## 5.92 xtremweb.core.com.idl.HandlerRMITemplate Class Reference

Inherits java::rmi::server::UnicastRemoteObject.

Inherited by [xtremweb.core.com.handler.HandlerRMIBench](#), [xtremweb.core.com.handler.HandlerRMIDc](#), [xtremweb.core.com.handler.HandlerRMIdr](#), [xtremweb.core.com.handler.HandlerRMIds](#), and [xtremweb.core.com.handler.HandlerRMIdt](#).

Collaboration diagram for xtremweb.core.com.idl.HandlerRMITemplate:



### Public Member Functions

- [HandlerRMITemplate \(\)](#) throws RemoteException
- void [setupPerfMonitor \(String module\)](#)
- void [registerCallback \(CallbackTemplate cb\)](#)
- void [perf \(String m\)](#)

### Static Public Member Functions

- static void [addSamples \(\)](#)

### Protected Attributes

- [CallbackTemplate callback](#)
- String [moduleName](#)
- Vector [moduleCall](#)

### Static Protected Attributes

- static [Logger log](#) = LoggerFactory.getLogger("HandlerRMI")
- static [HashMap< String, Integer > perfSet](#)
- static boolean [modulePerf](#) = false
- static int [count](#) = 0
- static int [samplesnb](#) = 3000
- static Timer [timer](#)

## Static Package Functions

- [static initializer]

## Static Private Attributes

- static final [PerfMonitor perf](#) = PerfMonitorFactory.createPerfMonitor("ServiceCalls")

### 5.92.1 Detailed Description

HandlerRMI.java Handles RMI communications from servers

Created: Sun Jul 9 17:46:53 2000

#### Author:

Gilles Fedak

#### Version:

Definition at line 20 of file HandlerRMITemplate.java.

### 5.92.2 Constructor & Destructor Documentation

#### 5.92.2.1 [xtremweb.core.com.idl.HandlerRMITemplate.HandlerRMITemplate \(\) throws RemoteException](#)

Definition at line 55 of file HandlerRMITemplate.java.

### 5.92.3 Member Function Documentation

#### 5.92.3.1 [xtremweb.core.com.idl.HandlerRMITemplate.\[static initializer\] \(\) \[static, package\]](#)

#### 5.92.3.2 [static void xtremweb.core.com.idl.HandlerRMITemplate.addSamples \(\) \[static\]](#)

Definition at line 75 of file HandlerRMITemplate.java.

References [xtremweb.core.perf.PerfMonitor.addSample\(\)](#), [xtremweb.core.com.idl.HandlerRMITemplate.modulePerf](#), [xtremweb.core.com.idl.HandlerRMITemplate.perf](#), and [xtremweb.core.com.idl.HandlerRMITemplate.perfSet](#).

Here is the call graph for this function:



#### 5.92.3.3 [void xtremweb.core.com.idl.HandlerRMITemplate.perf \(String m\)](#)

Definition at line 85 of file HandlerRMITemplate.java.

References [xtremweb.core.com.idl.HandlerRMITemplate.perfSet](#).

### 5.92.3.4 void xtremweb.core.com.idl.HandlerRMITemplate.registerCallback (CallbackTemplate cb)

Definition at line 70 of file HandlerRMITemplate.java.

References xtremweb.core.com.idl.HandlerRMITemplate.callback.

Referenced by xtremweb.core.com.idl.ModuleLoader.addHandler().

### 5.92.3.5 void xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor (String module)

Definition at line 60 of file HandlerRMITemplate.java.

References xtremweb.core.perf.PerfMonitor.addSerie(), xtremweb.core.com.idl.HandlerRMITemplate.log, xtremweb.core.com.idl.HandlerRMITemplate.moduleName, xtremweb.core.com.idl.HandlerRMITemplate.perf, xtremweb.core.com.idl.HandlerRMITemplate.perfSet, xtremweb.core.com.idl.HandlerRMITemplate.samplesnb, and xtremweb.core.log.Logger.warn().

Referenced by xtremweb.core.com.handler.HandlerRMIBench.HandlerRMIBench(), xtremweb.core.com.handler.HandlerRMIDc.HandlerRMIDc(), xtremweb.core.com.handler.HandlerRMIDr.HandlerRMIDr(), xtremweb.core.com.handler.HandlerRMIDs.HandlerRMIDs(), and xtremweb.core.com.handler.HandlerRMIDt.HandlerRMIDt().

Here is the call graph for this function:



## 5.92.4 Member Data Documentation

### 5.92.4.1 CallbackTemplate xtremweb.core.com.idl.HandlerRMITemplate.callback [protected]

Definition at line 26 of file HandlerRMITemplate.java.

Referenced by xtremweb.core.com.handler.HandlerRMIDt.abortTransfer(), xtremweb.core.com.handler.HandlerRMIDs.associateDataAttribute(), xtremweb.core.com.handler.HandlerRMIDs.associateData(), xtremweb.core.com.handler.HandlerRMIDs.associateDataHost(), xtremweb.core.com.handler.HandlerRMIDc.createData(), xtremweb.core.com.handler.HandlerRMIDc.deleteData(), xtremweb.core.com.handler.HandlerRMIBench.endExperience(), xtremweb.core.com.handler.HandlerRMIDt.endTransfer(), xtremweb.core.com.handler.HandlerRMIDs.getAttributeByUid(), xtremweb.core.com.handler.HandlerRMIDc.getData(), xtremweb.core.com.handler.HandlerRMIDc.getDDCEntryPoint(), xtremweb.core.com.handler.HandlerRMIDc.getLocatorByDataUID(), xtremweb.core.com.handler.HandlerRMIDr.getProtocolByUID(), xtremweb.core.com.handler.HandlerRMIDr.getProtocolByUID(), xtremweb.core.com.handler.HandlerRMIDr.getRef(), xtremweb.core.com.handler.HandlerRMIBench.getValues(), xtremweb.core.com.handler.HandlerRMIDt.poolTransfer(), xtremweb.core.com.handler.HandlerRMIDc.putData(), xtremweb.core.com.handler.HandlerRMIDc.putLocator(), xtremweb.core.com.handler.HandlerRMIDt.putTransfer(), xtremweb.core.com.handler.HandlerRMIBench.register(), xtremweb.core.com.handler.HandlerRMIDs.registerAttribute(), xtremweb.core.com.idl.HandlerRMITemplate.registerCallback(), xtremweb.core.com.handler.HandlerRMIDr.registerProtocol(), xtremweb.core.com.handler.HandlerRMIDt.registerTransfer(), xtremweb.core.com.handler.HandlerRMIDs.removeData(), xtremweb.core.com.handler.HandlerRMIDc.setDataStatus(), xtremweb.core.com.handler.HandlerRMIDt.setTransferStatus(), xtremweb.core.com.handler.HandlerRMIBench.startExperience(), xtremweb.core.com.handler.HandlerRMIBench.startExperienceBroadcast(), xtremweb.core.com.handler.HandlerRMIDt.startTransfer(), and xtremweb.core.com.handler.HandlerRMIDs.sync().

**5.92.4.2 int xtremweb.core.com.idl.HandlerRMITemplate.count = 0 [static, protected]**

Definition at line 32 of file HandlerRMITemplate.java.

**5.92.4.3 Logger xtremweb.core.com.idl.HandlerRMITemplate.log =  
LoggerFactory.getLogger("HandlerRMI") [static, protected]**

Definition at line 22 of file HandlerRMITemplate.java.

Referenced by xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor().

**5.92.4.4 Vector xtremweb.core.com.idl.HandlerRMITemplate.moduleCall [protected]**

Definition at line 29 of file HandlerRMITemplate.java.

**5.92.4.5 String xtremweb.core.com.idl.HandlerRMITemplate.moduleName [protected]**

Definition at line 28 of file HandlerRMITemplate.java.

Referenced by xtremweb.core.com.handler.HandlerRMIdt.abortTransfer(),  
 xtremweb.core.com.handler.HandlerRMIds.associateDataAttribute(), xtremweb.core.com.handler.HandlerRMIds.associateData  
 xtremweb.core.com.handler.HandlerRMIds.associateDataHost(), xtremweb.core.com.handler.HandlerRMIdc.createData(),  
 xtremweb.core.com.handler.HandlerRMIdc.deleteData(), xtremweb.core.com.handler.HandlerRMIdb.endExperience(),  
 xtremweb.core.com.handler.HandlerRMIdt.endTransfer(), xtremweb.core.com.handler.HandlerRMIds.getAttributeByUid(),  
 xtremweb.core.com.handler.HandlerRMIdc.getData(), xtremweb.core.com.handler.HandlerRMIdc.getDDCEEntryPoint(),  
 xtremweb.core.com.handler.HandlerRMIdc.getLocatorByDataUID(), xtremweb.core.com.handler.HandlerRMIdr.getProtocolB  
 xtremweb.core.com.handler.HandlerRMIdr.getProtocolByUID(), xtremweb.core.com.handler.HandlerRMIdr.getRef(),  
 xtremweb.core.com.handler.HandlerRMIdb.getValues(), xtremweb.core.com.handler.HandlerRMIdt.poolTransfer(),  
 xtremweb.core.com.handler.HandlerRMIdc.putData(), xtremweb.core.com.handler.HandlerRMIdc.putLocator(),  
 xtremweb.core.com.handler.HandlerRMIdt.putTransfer(), xtremweb.core.com.handler.HandlerRMIdb.register(),  
 xtremweb.core.com.handler.HandlerRMIds.registerAttribute(), xtremweb.core.com.handler.HandlerRMIdr.registerProtocol(),  
 xtremweb.core.com.handler.HandlerRMIdt.registerTransfer(), xtremweb.core.com.handler.HandlerRMIds.removeData(),  
 xtremweb.core.com.handler.HandlerRMIdc.setDataStatus(), xtremweb.core.com.handler.HandlerRMIdt.setTransferStatus(),  
 xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor(), xtremweb.core.com.handler.HandlerRMIdb.startExperi  
 xtremweb.core.com.handler.HandlerRMIdb.startExperienceBroadcast(),  
 xtremweb.core.com.handler.HandlerRMIdt.startTransfer(), and xtremweb.core.com.handler.HandlerRMIds.sync().

**5.92.4.6 boolean xtremweb.core.com.idl.HandlerRMITemplate.modulePerf = false [static, protected]**

Definition at line 31 of file HandlerRMITemplate.java.

Referenced by xtremweb.core.com.handler.HandlerRMIdt.abortTransfer(),  
 xtremweb.core.com.idl.HandlerRMITemplate.addSamples(), xtremweb.core.com.handler.HandlerRMIds.associateDataAttribut  
 xtremweb.core.com.handler.HandlerRMIds.associateDataAttributeHost(),  
 xtremweb.core.com.handler.HandlerRMIds.associateDataHost(), xtremweb.core.com.handler.HandlerRMIdc.createData(),  
 xtremweb.core.com.handler.HandlerRMIdc.deleteData(), xtremweb.core.com.handler.HandlerRMIdb.endExperience(),  
 xtremweb.core.com.handler.HandlerRMIdt.endTransfer(), xtremweb.core.com.handler.HandlerRMIds.getAttributeByUid(),  
 xtremweb.core.com.handler.HandlerRMIdc.getData(), xtremweb.core.com.handler.HandlerRMIdc.getDDCEEntryPoint(),  
 xtremweb.core.com.handler.HandlerRMIdc.getLocatorByDataUID(), xtremweb.core.com.handler.HandlerRMIdr.getProtocolB  
 xtremweb.core.com.handler.HandlerRMIdr.getProtocolByUID(), xtremweb.core.com.handler.HandlerRMIdr.getRef(),  
 xtremweb.core.com.handler.HandlerRMIdb.getValues(), xtremweb.core.com.handler.HandlerRMIdb.HandlerRMIdb

xtremweb.core.com.handler.HandlerRMIdc.HandlerRMIdc(), xtremweb.core.com.handler.HandlerRMIdr.HandlerRMIdr(), xtremweb.core.com.handler.HandlerRMIds.HandlerRMIds(), xtremweb.core.com.handler.HandlerRMIdt.HandlerRMIdt(), xtremweb.core.com.handler.HandlerRMIdt.poolTransfer(), xtremweb.core.com.handler.HandlerRMIdc.putData(), xtremweb.core.com.handler.HandlerRMIdc.putLocator(), xtremweb.core.com.handler.HandlerRMIdt.putTransfer(), xtremweb.core.com.handler.HandlerRMIBench.register(), xtremweb.core.com.handler.HandlerRMIds.registerAttribute(), xtremweb.core.com.handler.HandlerRMIdr.registerProtocol(), xtremweb.core.com.handler.HandlerRMIdt.registerTransfer(), xtremweb.core.com.handler.HandlerRMIds.removeData(), xtremweb.core.com.handler.HandlerRMIdc.setDataStatus(), xtremweb.core.com.handler.HandlerRMIdt.setTransferStatus(), xtremweb.core.com.handler.HandlerRMIBench.startExperience(), xtremweb.core.com.handler.HandlerRMIBench.startExperienceBroadcast(), xtremweb.core.com.handler.HandlerRMIdt.startTransfer(), and xtremweb.core.com.handler.HandlerRMIds.sync().

#### **5.92.4.7 final PerfMonitor xtremweb.core.com.idl.HandlerRMITemplate.perf = PerfMonitorFactory.createPerfMonitor("ServiceCalls") [static, private]**

Definition at line 25 of file HandlerRMITemplate.java.

Referenced by xtremweb.core.com.handler.HandlerRMIdt.abortTransfer(), xtremweb.core.com.idl.HandlerRMITemplate.addSamples(), xtremweb.core.com.handler.HandlerRMIds.associateDataAttribute(), xtremweb.core.com.handler.HandlerRMIds.associateDataAttributeHost(), xtremweb.core.com.handler.HandlerRMIds.associateDataHost(), xtremweb.core.com.handler.HandlerRMIdc.createData(), xtremweb.core.com.handler.HandlerRMIdc.deleteData(), xtremweb.core.com.handler.HandlerRMIBench.endExperience(), xtremweb.core.com.handler.HandlerRMIdt.endTransfer(), xtremweb.core.com.handler.HandlerRMIds.getAttributeByUid(), xtremweb.core.com.handler.HandlerRMIdc.getData(), xtremweb.core.com.handler.HandlerRMIdc.getDDCEntryPoint(), xtremweb.core.com.handler.HandlerRMIdc.getLocatorByDataUID(), xtremweb.core.com.handler.HandlerRMIdr.getProtocolB(), xtremweb.core.com.handler.HandlerRMIdr.getProtocolByUID(), xtremweb.core.com.handler.HandlerRMIdr.getRef(), xtremweb.core.com.handler.HandlerRMIBench.getValues(), xtremweb.core.com.handler.HandlerRMIdt.poolTransfer(), xtremweb.core.com.handler.HandlerRMIdc.putData(), xtremweb.core.com.handler.HandlerRMIdc.putLocator(), xtremweb.core.com.handler.HandlerRMIdt.putTransfer(), xtremweb.core.com.handler.HandlerRMIBench.register(), xtremweb.core.com.handler.HandlerRMIds.registerAttribute(), xtremweb.core.com.handler.HandlerRMIdr.registerProtocol(), xtremweb.core.com.handler.HandlerRMIdt.registerTransfer(), xtremweb.core.com.handler.HandlerRMIds.removeData(), xtremweb.core.com.handler.HandlerRMIdc.setDataStatus(), xtremweb.core.com.handler.HandlerRMIdt.setTransferStatus(), xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor(), xtremweb.core.com.handler.HandlerRMIBench.startExperienceBroadcast(), xtremweb.core.com.handler.HandlerRMIdt.startTransfer(), and xtremweb.core.com.handler.HandlerRMIds.sync().

#### **5.92.4.8 HashMap<String, Integer> xtremweb.core.com.idl.HandlerRMITemplate.perfSet [static, protected]**

Definition at line 30 of file HandlerRMITemplate.java.

Referenced by xtremweb.core.com.idl.HandlerRMITemplate.addSamples(), xtremweb.core.com.idl.HandlerRMITemplate.perf(), and xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor().

#### **5.92.4.9 int xtremweb.core.com.idl.HandlerRMITemplate.samplesnb = 3000 [static, protected]**

Definition at line 33 of file HandlerRMITemplate.java.

Referenced by xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMonitor().

**5.92.4.10 Timer xtremweb.core.com.idl.HandlerRMITemplate.timer [static, protected]**

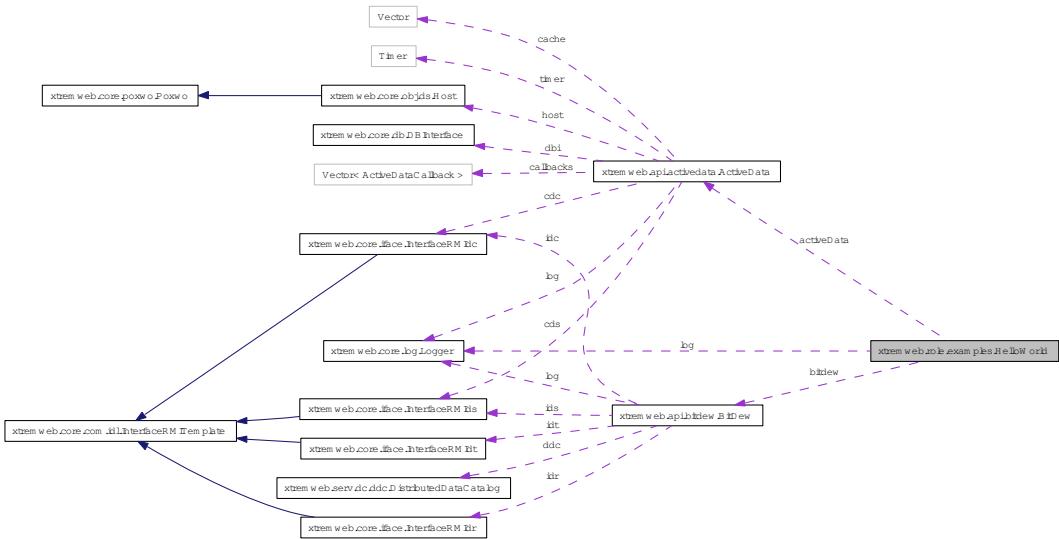
Definition at line 34 of file HandlerRMITemplate.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/idl/[HandlerRMITemplate.java](#)

## 5.93 xtremweb.role.examples.HelloWorld Class Reference

Collaboration diagram for xtremweb.role.examples.HelloWorld:



## Classes

- class [HelloWorldCallback](#)

## Public Member Functions

- [HelloWorld](#) (String host, int port) throws Exception

## Static Public Member Functions

- static void [main](#) (String[] args) throws Exception

## Package Attributes

- `Logger log = LoggerFactory.getLogger("HelloWorld")`
- `BitDew bitdew`
- `ActiveData activeData`

### 5.93.1 Detailed Description

[HelloWorld](#).

#### Author:

Gilles Fedak

**Version:**

1.0

Definition at line 19 of file [HelloWorld.java](#).

### 5.93.2 Constructor & Destructor Documentation

#### 5.93.2.1 `xtremweb.role.examples.HelloWorld.HelloWorld (String host, int port) throws Exception`

Creates a new [HelloWorld](#) instance.

**Parameters:**

- host* a `String` value
- port* an `int` value

**Examples:**

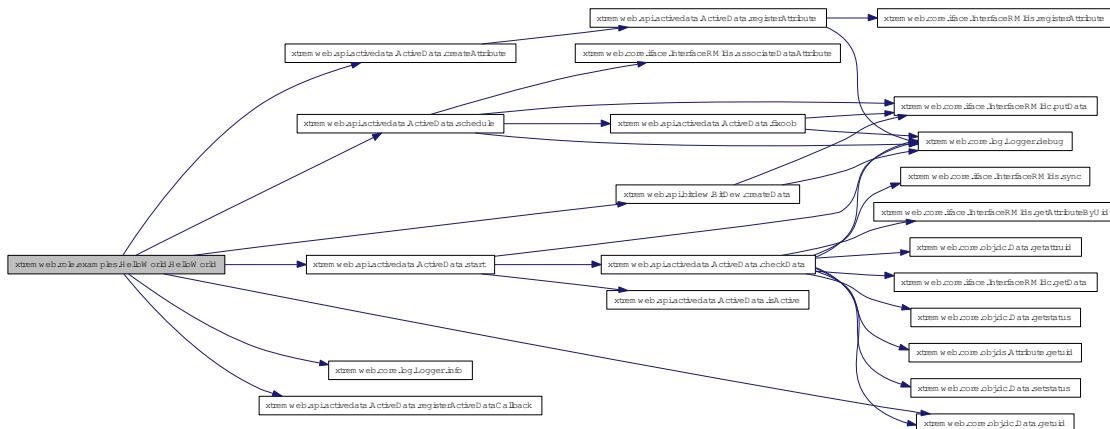
[HelloWorld.java](#).

Definition at line 74 of file [HelloWorld.java](#).

References `xtremweb.role.examples.HelloWorld.activeData`, `xtremweb.role.examples.HelloWorld.bitdew`, `xtremweb.api.activedata.ActiveData.createAttribute()`, `xtremweb.api.bitdew.BitDew.createData()`, `xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.core.log.Logger.info()`, `xtremweb.role.examples.HelloWorld.log`, `xtremweb.api.activedata.ActiveData.registerActiveDataCallback()`, `xtremweb.api.activedata.ActiveData.schedule()`, and `xtremweb.api.activedata.ActiveData.start()`.

Referenced by `xtremweb.role.examples.HelloWorld.main()`.

Here is the call graph for this function:



### 5.93.3 Member Function Documentation

#### 5.93.3.1 `static void xtremweb.role.examples.HelloWorld.main (String[ ] args) throws Exception [static]`

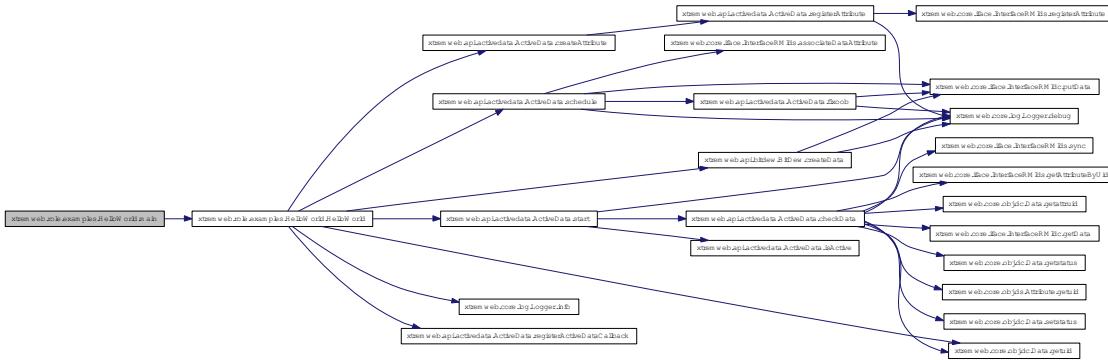
**Examples:**

[HelloWorld.java](#).

Definition at line 122 of file HelloWorld.java.

References xtremweb.role.examples.HelloWorld.HelloWorld().

Here is the call graph for this function:



## 5.93.4 Member Data Documentation

### 5.93.4.1 ActiveData xtremweb.role.examples.HelloWorld.activeData [package]

**Examples:**

[HelloWorld.java](#).

Definition at line 66 of file HelloWorld.java.

Referenced by xtremweb.role.examples.HelloWorld.HelloWorld().

### 5.93.4.2 BitDew xtremweb.role.examples.HelloWorld.bitdew [package]

**Examples:**

[HelloWorld.java](#).

Definition at line 65 of file HelloWorld.java.

Referenced by xtremweb.role.examples.HelloWorld.HelloWorld().

### 5.93.4.3 Logger xtremweb.role.examples.HelloWorld.log = LoggerFactory.getLogger("HelloWorld") [package]

**Examples:**

[HelloWorld.java](#).

Definition at line 64 of file HelloWorld.java.

Referenced by xtremweb.role.examples.HelloWorld.HelloWorld().

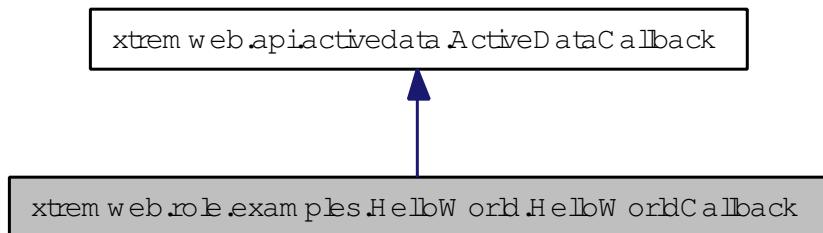
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[HelloWorld.java](#)

## 5.94 xtremweb.role.examples.HelloWorld.HelloWorldCallback Class Reference

Inherits [xtremweb::api::activedata::ActiveDataCallback](#).

Collaboration diagram for xtremweb.role.examples.HelloWorld.HelloWorldCallback:



### Public Member Functions

- void [onDataScheduled \(Data data, Attribute attr\)](#)
- void [onDataDeleted \(Data data, Attribute attr\)](#)

#### 5.94.1 Detailed Description

[HelloWorldCallback](#) handles scheduling of Data.

Definition at line 104 of file [HelloWorld.java](#).

#### 5.94.2 Member Function Documentation

##### 5.94.2.1 void [xtremweb.role.examples.HelloWorld.HelloWorldCallback.onDataDeleted \(Data data, Attribute attr\)](#)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

**Examples:**

[HelloWorld.java](#).

Definition at line 117 of file [HelloWorld.java](#).

##### 5.94.2.2 void [xtremweb.role.examples.HelloWorld.HelloWorldCallback.onDataScheduled \(Data data, Attribute attr\)](#)

Describe [onDataScheduled](#) method here.

**Parameters:**

- data* a [Data](#) value
- attr* an [Attribute](#) value

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

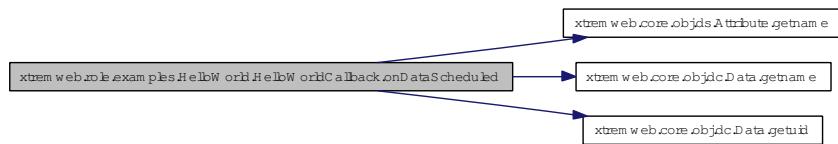
**Examples:**

[HelloWorld.java](#).

Definition at line 112 of file [HelloWorld.java](#).

References [xtremweb.core.obj.ds.Attribute.getname\(\)](#), [xtremweb.core.obj.dc.Data.getname\(\)](#), and [xtremweb.core.obj.dc.Data.getuid\(\)](#).

Here is the call graph for this function:



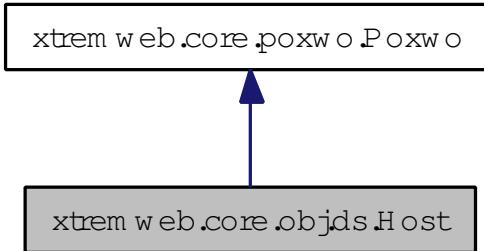
The documentation for this class was generated from the following file:

- [/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples>HelloWorld.java](#)

## 5.95 xtremweb.core.obj.ds.Host Class Reference

Inherits [xtremweb::core::poxwo::Poxwo](#).

Collaboration diagram for xtremweb.core.obj.ds.Host:



### Public Member Functions

- String [getuid \(\)](#)
- void [setuid \(String uid\)](#)
- String [getname \(\)](#)
- void [setname \(String name\)](#)

### Private Attributes

- String [uid](#)
- String [name](#)

#### 5.95.1 Detailed Description

[Host.java](#)

Declaration of object [Host](#)

This code is generated with XwIDL from the definition file used TODO

Do not edit this file !

**Author:**

fedak

**Version:**

"1.0"

Definition at line 24 of file Host.java.

#### 5.95.2 Member Function Documentation

##### 5.95.2.1 String [xtremweb.core.obj.ds.Host.getname \(\)](#)

Definition at line 40 of file Host.java.

References xtremweb.core.obj.ds.Host.name.

#### 5.95.2.2 String xtremweb.core.obj.ds.Host.getuid () [virtual]

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 33 of file Host.java.

References xtremweb.core.obj.ds.Host.uid.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.Broadcast.Broadcast(), xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), xtremweb.serv.ds.Owner.getuid(), xtremweb.role.examples.PublishSearch.PublishSearch(), and xtremweb.serv.ds.Callbackds.sync().

#### 5.95.2.3 void xtremweb.core.obj.ds.Host.setname (String *name*)

Definition at line 43 of file Host.java.

#### 5.95.2.4 void xtremweb.core.obj.ds.Host.setuid (String *uid*) [virtual]

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 36 of file Host.java.

### 5.95.3 Member Data Documentation

#### 5.95.3.1 String xtremweb.core.obj.ds.Host.name [private]

Definition at line 31 of file Host.java.

Referenced by xtremweb.core.obj.ds.Host.getname().

#### 5.95.3.2 String xtremweb.core.obj.ds.Host.uid [private]

Definition at line 28 of file Host.java.

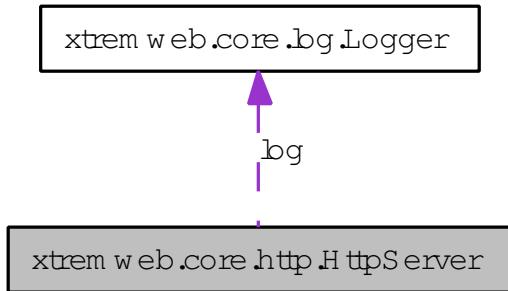
Referenced by xtremweb.core.obj.ds.Host.getuid().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/obj/ds/[Host.java](#)

## 5.96 xtremweb.core.http.HttpServer Class Reference

Collaboration diagram for xtremweb.core.http.HttpServer:



### Public Member Functions

- [HttpServer \(\)](#) throws Exception
- [HttpServer \(int port, String documentRoot, String documentPath, String uploadServlet\)](#) throws Exception
- int [getPort \(\)](#)
- String [getDocumentRoot \(\)](#)
- String [getDocumentPath \(\)](#)
- String [getUploadServlet \(\)](#)
- void [addUiServlet \(String servletClassName, String servletMapping\)](#)
- void [start \(\)](#) throws Exception

### Static Public Member Functions

- static void [init \(\)](#) throws Exception
- static void [main \(String\[\] args\)](#) throws Exception

### Static Public Attributes

- static int [DEFAULT\\_PORT](#) = 8080
- static String [DEFAULT\\_DOCUMENT\\_ROOT](#) = "."
- static String [DEFAULT\\_DOCUMENT\\_PATH](#) = "/"
- static String [DEFAULT\\_UPLOAD\\_SERVLET](#) = "/fileupload"

### Static Protected Attributes

- static [Logger log](#) = LoggerFactory.getLogger(HttpServer.class)

### Static Private Attributes

- static int [\\_port](#)
- static String [\\_documentRoot](#)
- static String [\\_documentPath](#)

- static String `_uploadServlet`
- static Context `uiContext`
- static Server `server`

### 5.96.1 Detailed Description

`HttpServer` is an embedded HTTP Server. It allows to download file and to upload file with a dedicated Servlet

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 35 of file `HttpServer.java`.

### 5.96.2 Constructor & Destructor Documentation

#### 5.96.2.1 xtremweb.core.http.HttpServer() throws Exception

Creates a new `HttpServer` instance.

**Exceptions:**

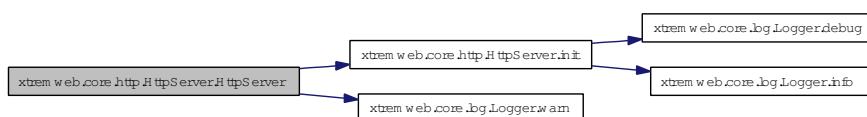
`Exception` if an error occurs

Definition at line 82 of file `HttpServer.java`.

References `xtremweb.core.http.HttpServer._documentPath`, `xtremweb.core.http.HttpServer._documentRoot`, `xtremweb.core.http.HttpServer._port`, `xtremweb.core.http.HttpServer._uploadServlet`, `xtremweb.core.http.HttpServer.DEFAULT_DOCUMENT_PATH`, `xtremweb.core.http.HttpServer.DEFAULT_DOCUMENT_ROOT`, `xtremweb.core.http.HttpServer.DEFAULT_PORT`, `xtremweb.core.http.HttpServer.UPLOAD_SERVLET`, `xtremweb.core.http.HttpServer.init()`, `xtremweb.core.http.HttpServer.log`, and `xtremweb.core.log.Logger.warn()`.

Referenced by `xtremweb.core.http.HttpServer.main()`.

Here is the call graph for this function:



#### 5.96.2.2 xtremweb.core.http.HttpServer(int port, String documentRoot, String documentPath, String uploadServlet) throws Exception

Creates a new `HttpServer` instance.

**Parameters:**

*port* an int value  
*documentRoot* a String value  
*documentPath* a String value  
*uploadServlet* a String value

**Exceptions:**

*Exception* if an error occurs

Definition at line 109 of file HttpServer.java.

References xtremweb.core.http.HttpServer.\_documentPath, xtremweb.core.http.HttpServer.\_documentRoot, xtremweb.core.http.HttpServer.\_port, xtremweb.core.http.HttpServer.\_uploadServlet, and xtremweb.core.http.HttpServer.init().

Here is the call graph for this function:



### 5.96.3 Member Function Documentation

#### 5.96.3.1 void xtremweb.core.http.HttpServer.addUiServlet (String *servletClassName*, String *servletMapping*)

Definition at line 229 of file HttpServer.java.

References xtremweb.core.http.HttpServer.uiContext.

Referenced by xtremweb.role.ui.UIFactory.createUIFactory().

#### 5.96.3.2 String xtremweb.core.http.HttpServer.getDocumentPath ()

getDocumentPath return remote document path

**Returns:**

a String value

Definition at line 215 of file HttpServer.java.

References xtremweb.core.http.HttpServer.\_documentPath.

#### 5.96.3.3 String xtremweb.core.http.HttpServer.getDocumentRoot ()

getDocumentRoot return Document Root Path

**Returns:**

a String value

Definition at line 206 of file HttpServer.java.

References xtremweb.core.http.HttpServer.\_documentRoot.

#### 5.96.3.4 int xtremweb.core.http.HttpServer.getPort ()

getPort return ports

##### Returns:

an int value

Definition at line 197 of file HttpServer.java.

References xtremweb.core.http.HttpServer.\_port.

#### 5.96.3.5 String xtremweb.core.http.HttpServer.getUploadServlet ()

getUploadServlet return upload servlet path

##### Returns:

a String value

Definition at line 224 of file HttpServer.java.

References xtremweb.core.http.HttpServer.\_uploadServlet.

#### 5.96.3.6 static void xtremweb.core.http.HttpServer.init () throws Exception [static]

init performs the following action :

- Starts a Jetty web server on the specified port
- Create a context for file download
- Create a context for file upload
- Create a Servlet for file upload and associate this to file upload context

##### Exceptions:

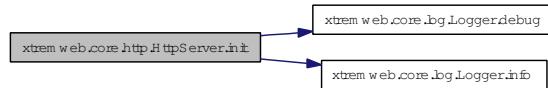
*Exception* if an error occurs

Definition at line 131 of file HttpServer.java.

References xtremweb.core.http.HttpServer.\_documentPath, xtremweb.core.http.HttpServer.\_documentRoot, xtremweb.core.http.HttpServer.\_port, xtremweb.core.http.HttpServer.\_uploadServlet, xtremweb.core.log.Logger.debug(), xtremweb.core.log.Logger.info(), xtremweb.core.http.HttpServer.log, xtremweb.core.http.HttpServer.server, and xtremweb.core.http.HttpServer.uiContext.

Referenced by xtremweb.core.http.HttpServer.HttpServer().

Here is the call graph for this function:

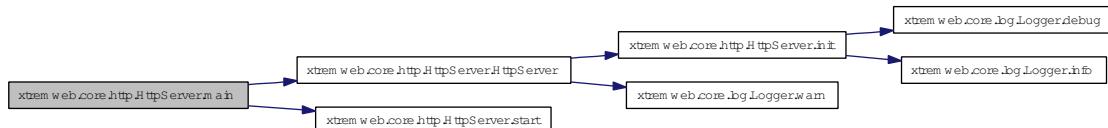


### 5.96.3.7 static void xtremweb.core.http.HttpServer.main (String[ ] args) throws Exception [static]

Definition at line 237 of file HttpServer.java.

References xtremweb.core.http.HttpServer.HttpServer(), and xtremweb.core.http.HttpServer.start().

Here is the call graph for this function:



### 5.96.3.8 void xtremweb.core.http.HttpServer.start () throws Exception

Definition at line 233 of file HttpServer.java.

References xtremweb.core.http.HttpServer.server.

Referenced by xtremweb.core.http.HttpServer.main().

## 5.96.4 Member Data Documentation

### 5.96.4.1 String xtremweb.core.http.HttpServer.\_documentPath [static, private]

Definition at line 69 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.getDocumentPath(), xtremweb.core.http.HttpServer.HttpServer(), and xtremweb.core.http.HttpServer.init().

### 5.96.4.2 String xtremweb.core.http.HttpServer.\_documentRoot [static, private]

Definition at line 67 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.getDocumentRoot(), xtremweb.core.http.HttpServer.HttpServer(), and xtremweb.core.http.HttpServer.init().

### 5.96.4.3 int xtremweb.core.http.HttpServer.\_port [static, private]

Definition at line 65 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.getPort(), xtremweb.core.http.HttpServer.HttpServer(), and xtremweb.core.http.HttpServer.init().

**5.96.4.4 String xtremweb.core.http.HttpServer.\_uploadServlet [static, private]**

Definition at line 71 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.getUploadServlet(), xtremweb.core.http.HttpServer.HttpServer(), and xtremweb.core.http.HttpServer.init().

**5.96.4.5 String xtremweb.core.http.HttpServer.DEFAULT\_DOCUMENT\_PATH = "/" [static]**

DEFAULT\_DOCUMENT\_PATH is the path as seen by the Http client

Definition at line 55 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.HttpServer().

**5.96.4.6 String xtremweb.core.http.HttpServer.DEFAULT\_DOCUMENT\_ROOT = "." [static]**

DEFAULT\_DOCUMENT\_ROOT is the path to where data are stored

Definition at line 48 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.HttpServer().

**5.96.4.7 int xtremweb.core.http.HttpServer.DEFAULT\_PORT = 8080 [static]**

DEFAULT\_PORT on which the Http server listen to

Definition at line 41 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.HttpServer().

**5.96.4.8 String xtremweb.core.http.HttpServer.DEFAULT\_UPLOAD\_SERVLET = "/fileupload" [static]**

DEFAULT\_UPLOAD\_SERVLET acces to the Uploader servlet

Definition at line 61 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.HttpServer().

**5.96.4.9 Logger xtremweb.core.http.HttpServer.log = LoggerFactory.getLogger(HttpServer.class) [static, protected]**

Definition at line 63 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.HttpServer(), and xtremweb.core.http.HttpServer.init().

**5.96.4.10 Server xtremweb.core.http.HttpServer.server [static, private]**

Definition at line 75 of file HttpServer.java.

Referenced by xtremweb.core.http.HttpServer.init(), and xtremweb.core.http.HttpServer.start().

**5.96.4.11 Context `xtremweb.core.http.HttpServer.uiContext` [static, private]**

Definition at line 73 of file `HttpServer.java`.

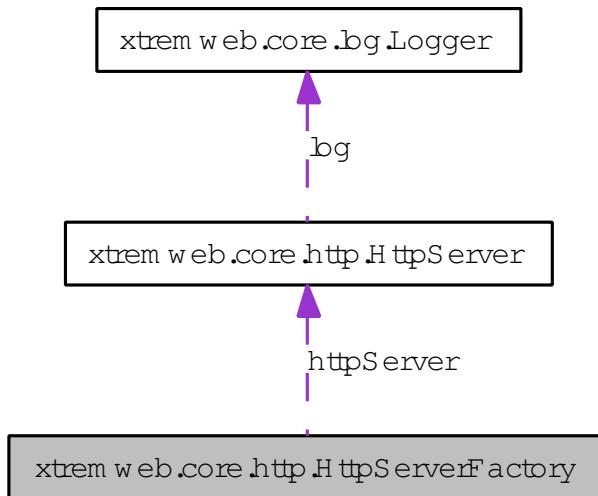
Referenced by `xtremweb.core.http.HttpServer.addUiServlet()`, and `xtremweb.core.http.HttpServer.init()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/http/[HttpServer.java](#)

## 5.97 xtremweb.core.http.HttpServerFactory Class Reference

Collaboration diagram for xtremweb.core.http.HttpServerFactory:



### Static Public Member Functions

- static [HttpServer getHttpServer \(\) throws Exception](#)

### Static Public Attributes

- static [HttpServer httpServer = null](#)

#### 5.97.1 Detailed Description

Describe class [HttpServerFactory](#) here.

Created: Fri Aug 24 14:28:31 2007

##### Author:

[Gilles Fedak](#)

##### Version:

1.0

Definition at line 12 of file [HttpServerFactory.java](#).

#### 5.97.2 Member Function Documentation

##### 5.97.2.1 static [HttpServer xtremweb.core.http.HttpServerFactory.getHttpServer \(\) throws Exception \[static\]](#)

Definition at line 16 of file [HttpServerFactory.java](#).

References xtremweb.core.http.HttpServerFactory.httpServer.

### 5.97.3 Member Data Documentation

#### 5.97.3.1 HttpServer xtremweb.core.http.HttpServerFactory.httpServer = null [static]

Definition at line 14 of file HttpServerFactory.java.

Referenced by xtremweb.core.http.HttpServerFactory.getHttpServer().

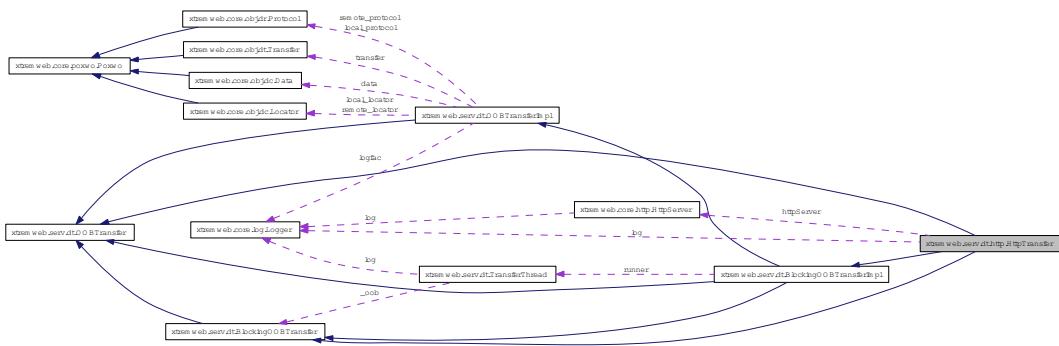
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/http/[HttpServerFactory.java](#)

## 5.98 xtremweb.serv.dt.http.HttpTransfer Class Reference

Inherits `xtremweb::serv::dt::BlockingOOBTransferImpl`, `xtremweb::serv::dt::BlockingOOBTransfer`, and `xtremweb::serv::dt::OOBTransfer`.

## Collaboration diagram for xtremweb.serv.dt.http.HttpTransfer:



## Public Member Functions

- `HttpTransfer` (`Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp`)
  - `String toString ()`
  - `void connect () throws OOBException`
  - `void blockingSendSenderSide () throws OOBException`
  - `void blockingSendReceiverSide () throws OOBException`
  - `void blockingReceiveSenderSide () throws OOBException`
  - `void blockingReceiveReceiverSide () throws OOBException`
  - `void disconnect () throws OOBException`

## Static Public Member Functions

- static void **init** ()
  - static void **main** (String[ ] args)

## Protected Attributes

- HttpClient `httpClient`
  - GetMethod `getMethod`
  - PostMethod `postMethod`

## Static Protected Attributes

- static `HttpServer httpServer = null`
  - static `Logger log = LoggerFactory.getLogger(HttpTransfer.class)`

### 5.98.1 Detailed Description

Definition at line 21 of file `HttpTransfer.java`.

### 5.98.2 Constructor & Destructor Documentation

#### 5.98.2.1 `xtremweb.serv.dt.http.HttpTransfer.HttpTransfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`

Definition at line 51 of file `HttpTransfer.java`.

References `xtremweb.core.obj.dt.Transfer.setoob()`, `xtremweb.serv.dt.http.HttpTransfer.toString()`, and `xtremweb.serv.dt.OOBTransferImpl.transfer()`.

Referenced by `xtremweb.serv.dt.http.HttpTransfer.main()`.

Here is the call graph for this function:



### 5.98.3 Member Function Documentation

#### 5.98.3.1 `void xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide () throws OOBException`

`blockingReceiveReceiverSide` implements the blocking receive from the Receiver side

#### Exceptions:

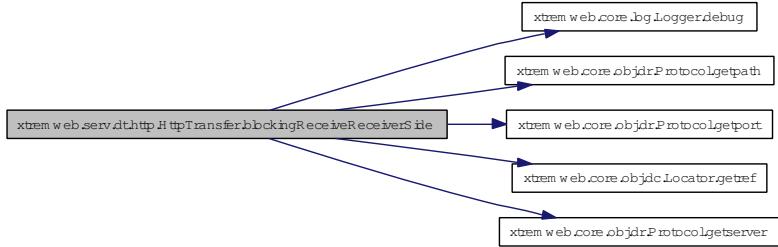
**`OOBException`** if an error occurs

Implements `xtremweb.serv.dt.BlockingOOBTransfer`.

Definition at line 122 of file `HttpTransfer.java`.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.http.HttpTransfer.getMethod()`,  
`xtremweb.core.obj.dr.Protocol.getpath()`, `xtremweb.core.obj.dr.Protocol.getPort()`,  
`xtremweb.core.obj.dc.Locator.getref()`, `xtremweb.core.obj.dr.Protocol.getServer()`,  
`xtremweb.serv.dt.http.HttpTransfer.httpClient`, `xtremweb.serv.dt.OOBTransferImpl.local_locator`,  
`xtremweb.serv.dt.http.HttpTransfer.log`, `xtremweb.serv.dt.OOBTransferImpl.remote_locator`, and  
`xtremweb.serv.dt.OOBTransferImpl.remote_protocol`.

Here is the call graph for this function:



### 5.98.3.2 void xtremweb.serv.dt.http.HttpTransfer.blockingReceiveSenderSide () throws OOBException

blockingReceiveSenderSide implements the blocking receive from the Sender side

#### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 119 of file HttpTransfer.java.

### 5.98.3.3 void xtremweb.serv.dt.http.HttpTransfer.blockingSendReceiverSide () throws OOBException

blockingSendReceiverSide implements the blocking send method from the Receiver side

#### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 116 of file HttpTransfer.java.

### 5.98.3.4 void xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide () throws OOBException

blockingSendSenderSide implements the blocking Send method from the Sender side

#### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

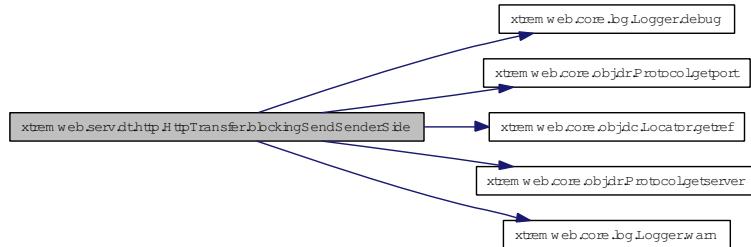
Definition at line 66 of file HttpTransfer.java.

References xtremweb.core.log.Logger.debug(),  
 xtremweb.core.obj.dc.Locator.getRef(),

xtremweb.core.obj.dr.Protocol.getPort(),  
 xtremweb.core.obj.dr.Protocol.getServer(),

`xtremweb.serv.dt.http.HttpTransfer.httpClient`,  
`locator`, `xtremweb.serv.dt.http.HttpTransfer.log`,  
`xtremweb.serv.dt.OOBTransferImpl.remote_locator`,  
`protocol`, and `xtremweb.core.log.Logger.warn()`.

Here is the call graph for this function:



`xtremweb.serv.dt.OOBTransferImpl.local_`  
`xtremweb.serv.dt.http.HttpTransfer.postMethod`,  
`xtremweb.serv.dt.OOBTransferImpl.remote_`  
`protocol`

### 5.98.3.5 void `xtremweb.serv.dt.http.HttpTransfer.connect()` throws `OOBException`

`connect`

#### Exceptions:

***OOBException*** if an error occurs

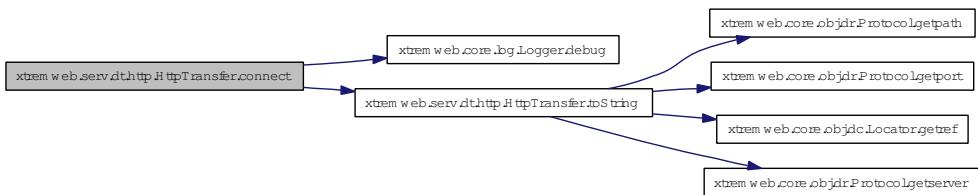
Implements `xtremweb.serv.dt.OOBTransfer`.

Definition at line 60 of file `HttpTransfer.java`.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.serv.dt.http.HttpTransfer.httpClient`, `xtremweb.serv.dt.http.HttpTransfer.log`, and `xtremweb.serv.dt.http.HttpTransfer.toString()`.

Referenced by `xtremweb.serv.dt.http.HttpTransfer.main()`.

Here is the call graph for this function:



### 5.98.3.6 void `xtremweb.serv.dt.http.HttpTransfer.disconnect()` throws `OOBException`

Describe `disconnect` method here.

#### Exceptions:

***OOBException*** if an error occurs

Implements `xtremweb.serv.dt.OOBTransfer`.

Definition at line 164 of file HttpTransfer.java.

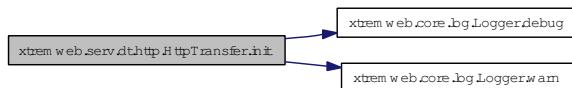
Referenced by xtremweb.serv.dt.http.HttpTransfer.main().

#### 5.98.3.7 static void xtremweb.serv.dt.http.HttpTransfer.init () [static]

Definition at line 31 of file HttpTransfer.java.

References xtremweb.core.log.Logger.debug(), xtremweb.serv.dt.http.HttpTransfer.httpServer, xtremweb.serv.dt.http.HttpTransfer.log, and xtremweb.core.log.Logger.warn().

Here is the call graph for this function:

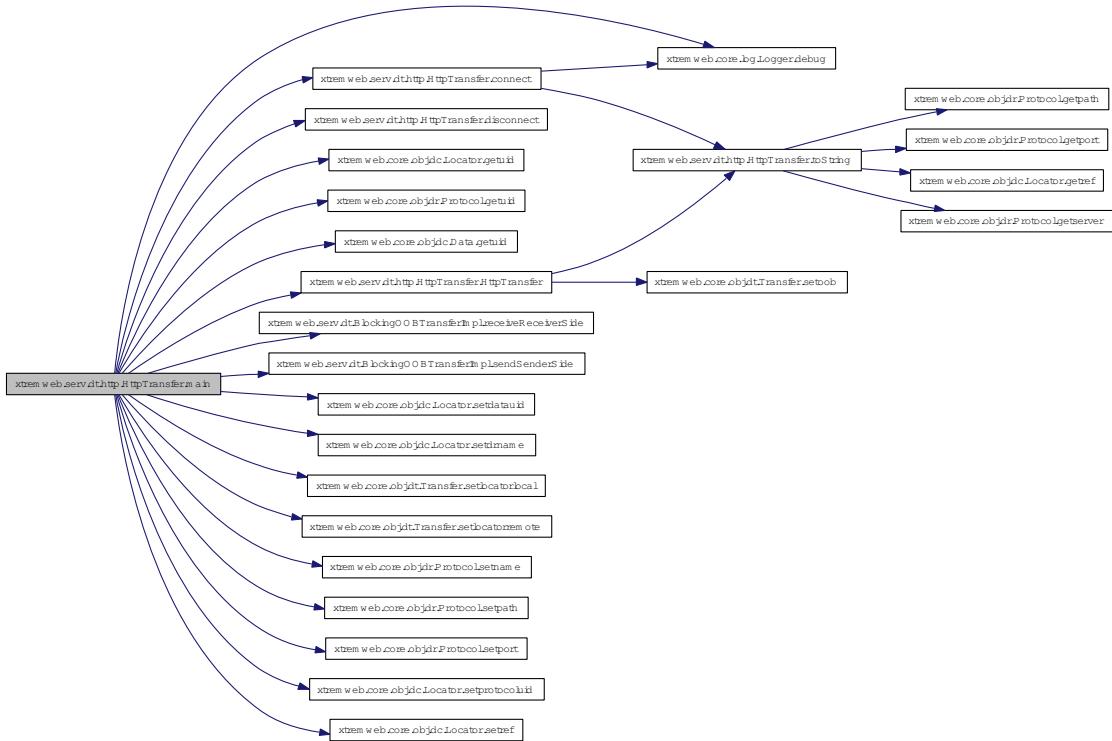


#### 5.98.3.8 static void xtremweb.serv.dt.http.HttpTransfer.main (String[ ] args) [static]

Definition at line 168 of file HttpTransfer.java.

References xtremweb.serv.dt.http.HttpTransfer.connect(), xtremweb.serv.dt.OOBTransferImpl.data, xtremweb.core.log.Logger.debug(), xtremweb.serv.dt.http.HttpTransfer.disconnect(), xtremweb.core.obj.dc.Locator.getuid(), xtremweb.core.obj.dr.Protocol.getuid(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.serv.dt.http.HttpTransfer.HttpTransfer(), xtremweb.serv.dt.OOBTransferImpl.local\_locator, xtremweb.serv.dt.http.HttpTransfer.log, xtremweb.serv.dt.BlockingOOBTransferImpl.receiveReceiverSide(), xtremweb.serv.dt.OOBTransferImpl.remote\_locator, xtremweb.serv.dt.BlockingOOBTransferImpl.sendSenderSide(), xtremweb.core.obj.dc.Locator.setdatauid(), xtremweb.core.obj.dc.Locator.setdrname(), xtremweb.core.obj.dt.Transfer.setlocatorlocal(), xtremweb.core.obj.dt.Transfer.setlocatorremote(), xtremweb.core.obj.dr.Protocol.setname(), xtremweb.core.obj.dr.Protocol.setpath(), xtremweb.core.obj.dr.Protocol.setport(), xtremweb.core.obj.dc.Locator.setprotocoluid(), and xtremweb.core.obj.dc.Locator.setref().

Here is the call graph for this function:



### 5.98.3.9 String [xtremweb.serv.dt.http.HttpTransfer.toString\(\)](#)

`toString` converts to a string

#### Returns:

a `String` value

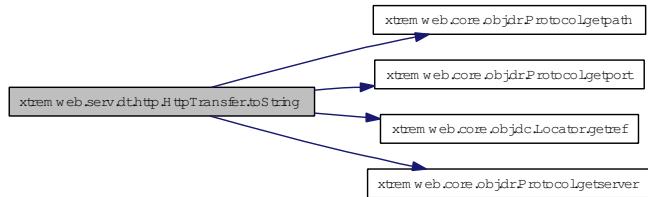
Reimplemented from [xtremweb.serv.dt.OOBTransferImpl](#).

Definition at line 56 of file `HttpTransfer.java`.

References [xtremweb.core.obj.dr.Protocol.getpath\(\)](#), [xtremweb.core.obj.dr.Protocol.getport\(\)](#), [xtremweb.core.obj.dc.Locator.getref\(\)](#), [xtremweb.core.obj.dr.Protocol.getserver\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), and [xtremweb.serv.dt.OOBTransferImpl.remote\\_protocol](#).

Referenced by [xtremweb.serv.dt.http.HttpTransfer.connect\(\)](#), and [xtremweb.serv.dt.http.HttpTransfer.HttpTransfer\(\)](#).

Here is the call graph for this function:



## 5.98.4 Member Data Documentation

### 5.98.4.1 GetMethod xtremweb.serv.dt.http.HttpTransfer.getMethod [protected]

Definition at line 27 of file HttpTransfer.java.

Referenced by xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide().

### 5.98.4.2 HttpClient xtremweb.serv.dt.http.HttpTransfer.httpClient [protected]

Definition at line 26 of file HttpTransfer.java.

Referenced by xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide(), and xtremweb.serv.dt.http.HttpTransfer.connect().

### 5.98.4.3 HttpServer xtremweb.serv.dt.http.HttpTransfer.httpServer = null [static, protected]

Definition at line 25 of file HttpTransfer.java.

Referenced by xtremweb.serv.dt.http.HttpTransfer.init().

### 5.98.4.4 Logger xtremweb.serv.dt.http.HttpTransfer.log = LoggerFactory.getLogger(HttpTransfer.class) [static, protected]

Definition at line 29 of file HttpTransfer.java.

Referenced by xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.http.HttpTransfer.connect(), xtremweb.serv.dt.http.HttpTransfer.init(), and xtremweb.serv.dt.http.HttpTransfer.main().

### 5.98.4.5 PostMethod xtremweb.serv.dt.http.HttpTransfer.postMethod [protected]

Definition at line 28 of file HttpTransfer.java.

Referenced by xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide().

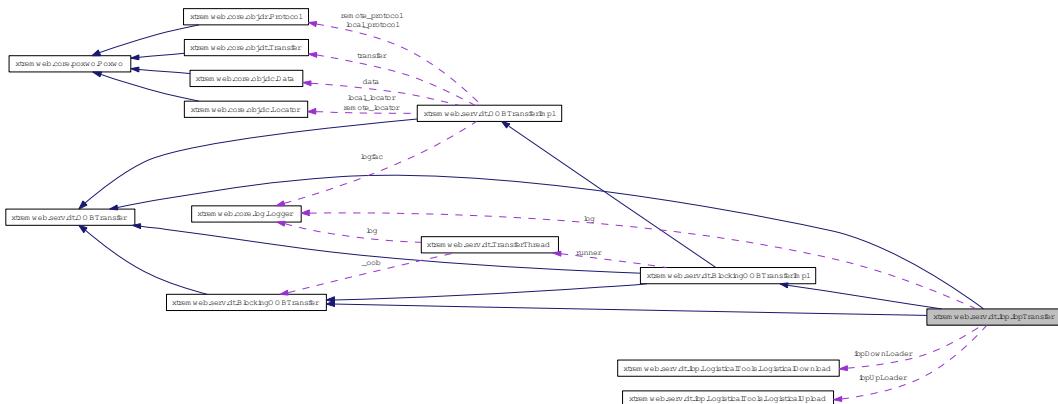
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/http/[HttpTransfer.java](#)

## 5.99 xtremweb.serv.dt.ibp.ibpTransfer Class Reference

Inherits `xtremweb::serv::dt::BlockingOOBTransferImpl`, `xtremweb::serv::dt::BlockingOOBTransfer`, and `xtremweb::serv::dt::OOBTransfer`.

Collaboration diagram for `xtremweb.serv.dt.ibp.ibpTransfer`:



### Public Member Functions

- `ibpTransfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`
- `String ibptoString ()`
- `void connect () throws OOBException`
- `void blockingSendSenderSide () throws OOBException`
- `void blockingSendReceiverSide () throws OOBException`
- `void blockingReceiveReceiverSide () throws OOBException`
- `void blockingReceiveSenderSide () throws OOBException`
- `void disconnect () throws OOBException`

### Static Public Member Functions

- `static void main (String[] args)`

### Protected Attributes

- `LogisticalUpload ibpUpLoader`
- `LogisticalDownload ibpDownLoader`

### Static Protected Attributes

- `static Logger log = LoggerFactory.getLogger(ibpTransfer.class)`

## Static Package Attributes

- static final String **VERSION** = "0.01a"
- static final String **LBONE\_SERVER\_LIST**
- static final int **DFLT\_COPIES** = 1
- static final int **DFLT\_MAX\_DEPOTS** = 10
- static final int **DFLT\_DURATION** = 60\*60\*24
- static final int **DFLT\_TRANSFERSIZE** = 512 \* 1024
- static final int **DFLT\_CONNECTIONS** = 1
- static final String **DFLT\_LOCATION** = "state= TN"
- static final int **LBONE\_SERVER\_NBMAX** = 10

### 5.99.1 Detailed Description

Definition at line 22 of file ibpTransfer.java.

### 5.99.2 Constructor & Destructor Documentation

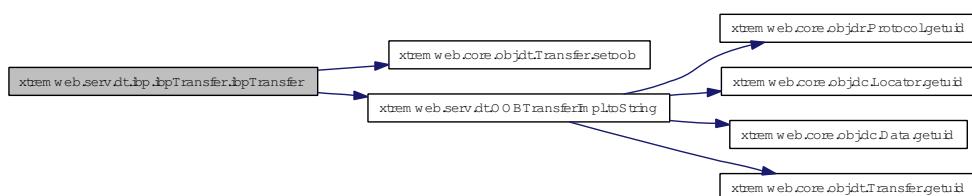
#### 5.99.2.1 xtremweb.serv.dt.ibp.ibpTransfer(ibpTransfer *d*, Transfer *t*, Locator *rl*, Locator *ll*, Protocol *rp*, Protocol *lp*)

Definition at line 53 of file ibpTransfer.java.

References `xtremweb.core.obj.dt.Transfer.setoob()`, `xtremweb.serv.dt.OOBTransferImpl.toString()`, and `xtremweb.serv.dt.OOBTransferImpl.transfer`.

Referenced by `xtremweb.serv.dt.ibp.ibpTransfer.main()`.

Here is the call graph for this function:



### 5.99.3 Member Function Documentation

#### 5.99.3.1 void xtremweb.serv.dt.ibp.ibpTransfer.blockingReceiveReceiverSide () throws OOBException

`blockingReceiveReceiverSide` implements the blocking receive from the Receiver side

**Exceptions:**

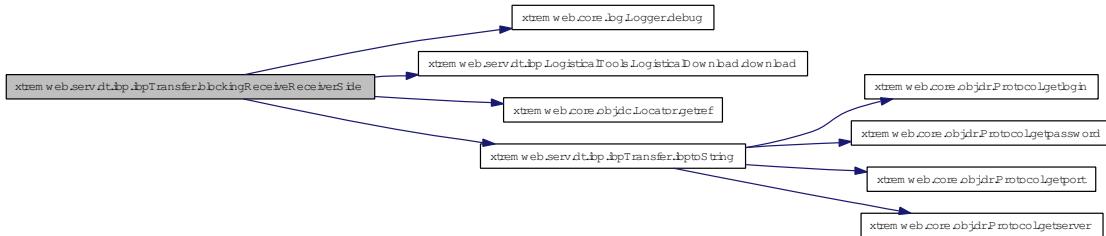
***OOBException*** if an error occurs

Implements `xtremweb.serv.dt.BlockingOOBTransfer`.

Definition at line 131 of file ibpTransfer.java.

References xtremweb.core.log.Logger.debug(), xtremweb.serv.dt.ibp.ibpTransfer.DFLT\_CONNECTIONS, xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.download(), xtremweb.core.obj.dc.Locator.getref(), xtremweb.serv.dt.ibp.ibpTransfer.ibpDownLoader, xtremweb.serv.dt.ibp.ibpTransfer.ibptoString(), xtremweb.serv.dt.OOBTransferImpl.local\_locator, xtremweb.serv.dt.ibp.ibpTransfer.log, and xtremweb.serv.dt.OOBTransferImpl.remote\_locator.

Here is the call graph for this function:



### 5.99.3.2 void xtremweb.serv.dt.ibp.ibpTransfer.blockingReceiveSenderSide () throws OOBException

blockingReceiveSenderSide implements the blocking receive from the Sender side

#### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 161 of file ibpTransfer.java.

### 5.99.3.3 void xtremweb.serv.dt.ibp.ibpTransfer.blockingSendReceiverSide () throws OOBException

blockingSendReceiverSide implements the blocking send method from the Receiver side

#### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 129 of file ibpTransfer.java.

### 5.99.3.4 void xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide () throws OOBException

blockingSendSenderSide implements the blocking Send method from the Sender side

#### Exceptions:

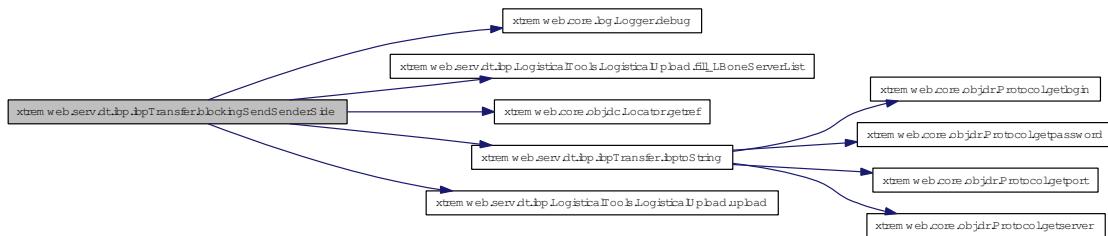
***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 97 of file ibpTransfer.java.

References [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.serv.dt.ibp.ibpTransfer.DFLT\\_CONNECTIONS](#), [xtremweb.serv.dt.ibp.ibpTransfer.DFLT\\_COPIES](#), [xtremweb.serv.dt.ibp.ibpTransfer.DFLT\\_DURATION](#), [xtremweb.serv.dt.ibp.ibpTransfer.DFLT\\_LOCATION](#), [xtremweb.serv.dt.ibp.ibpTransfer.DFLT\\_MAX\\_DEPOTS](#), [xtremweb.serv.dt.ibp.ibpTransfer.DFLT\\_TRANSFERSIZE](#), [xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.fill\\_LBoneServerList\(\)](#), [xtremweb.core.obj.dc.Locator.getref\(\)](#), [xtremweb.serv.dt.ibp.ibpTransfer.ibptoString\(\)](#), [xtremweb.serv.dt.ibp.ibpTransfer.ibpUpLoader](#), [xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#), [xtremweb.serv.dt.ibp.ibpTransfer.log](#), [xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), and [xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.upload\(\)](#).

Here is the call graph for this function:



### 5.99.3.5 void xtremweb.serv.dt.ibp.ibpTransfer.connect () throws OOBException

connect

**Exceptions:**

[\*OOBException\*](#) if an error occurs

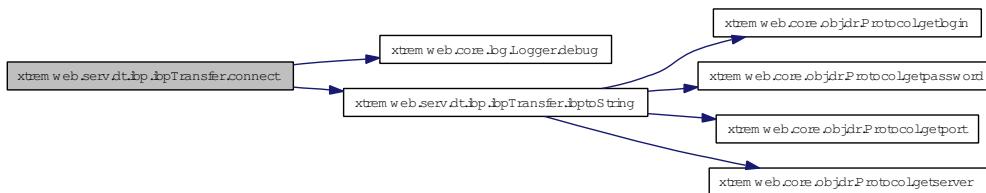
Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 61 of file ibpTransfer.java.

References [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.serv.dt.ibp.ibpTransfer.ibpDownLoader](#), [xtremweb.serv.dt.ibp.ibpTransfer.ibptoString\(\)](#), [xtremweb.serv.dt.ibp.ibpTransfer.ibpUpLoader](#), and [xtremweb.serv.dt.ibp.ibpTransfer.log](#).

Referenced by [xtremweb.serv.dt.ibp.ibpTransfer.main\(\)](#).

Here is the call graph for this function:



### 5.99.3.6 void xtremweb.serv.dt.ibp.ibpTransfer.disconnect () throws OOBException

Describe disconnect method here.

#### Exceptions:

**OOBException** if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 164 of file ibpTransfer.java.

Referenced by [xtremweb.serv.dt.ibp.ibpTransfer.main\(\)](#).

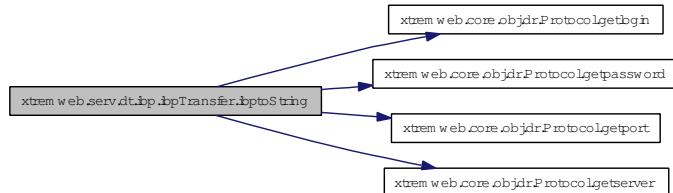
### 5.99.3.7 String xtremweb.serv.dt.ibp.ibpTransfer.ibptoString ()

Definition at line 58 of file ibpTransfer.java.

References [xtremweb.core.obj.dr.Protocol.getLogin\(\)](#), [xtremweb.core.obj.dr.Protocol.getPassword\(\)](#), [xtremweb.core.obj.dr.Protocol.getPort\(\)](#), [xtremweb.core.obj.dr.Protocol.getServer\(\)](#), and [xtremweb.serv.dt.OOBTransferImpl.remote\\_protocol](#).

Referenced by [xtremweb.serv.dt.ibp.ibpTransfer.blockingReceiveReceiverSide\(\)](#), [xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide\(\)](#), and [xtremweb.serv.dt.ibp.ibpTransfer.connect\(\)](#).

Here is the call graph for this function:

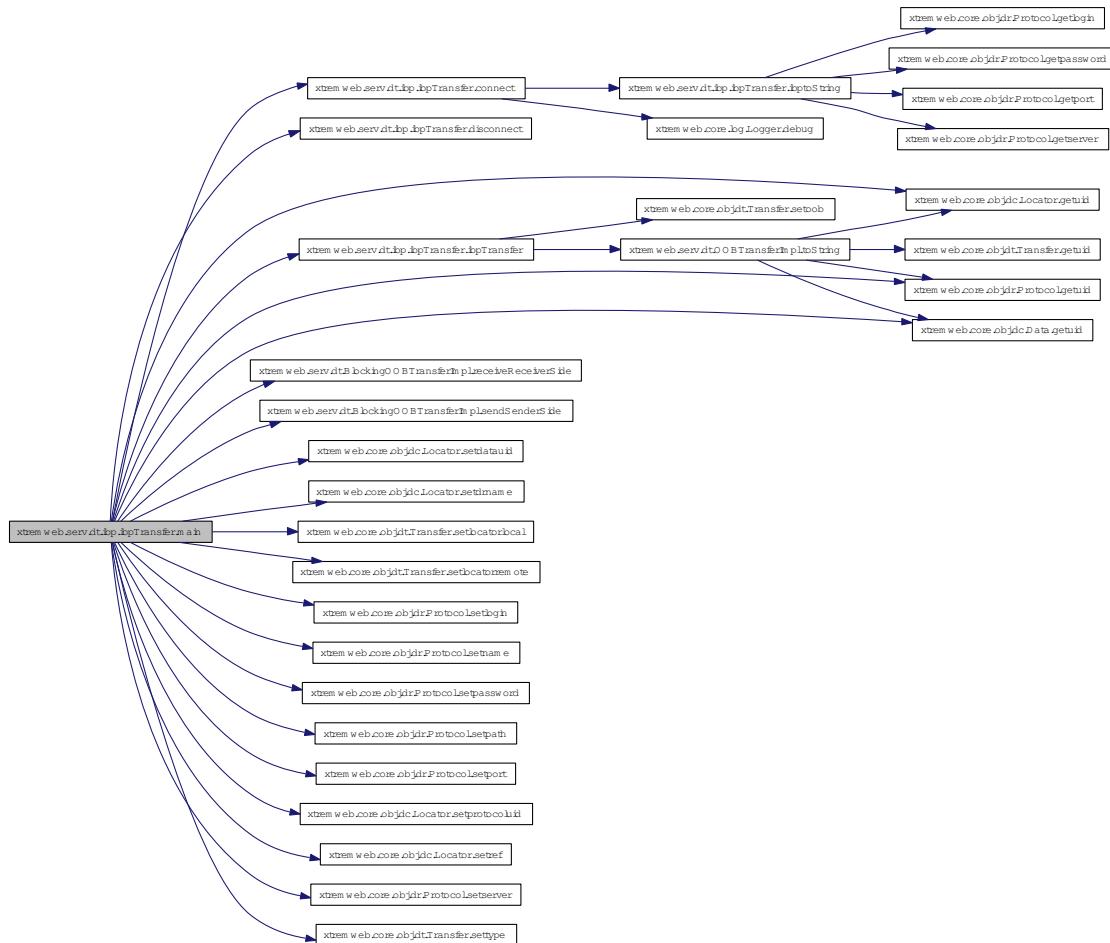


### 5.99.3.8 static void xtremweb.serv.dt.ibp.ibpTransfer.main (String[ ] args) [static]

Definition at line 176 of file ibpTransfer.java.

References [xtremweb.serv.dt.ibp.ibpTransfer.connect\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.data](#), [xtremweb.serv.dt.ibp.ibpTransfer.disconnect\(\)](#), [xtremweb.core.obj.dc.Locator.getuid\(\)](#), [xtremweb.core.obj.dr.Protocol.getuid\(\)](#), [xtremweb.core.obj.dc.Data.getuid\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#), [xtremweb.serv.dt.BlockingOOBTransferImpl.receiveReceiverSide\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), [xtremweb.serv.dt.BlockingOOBTransferImpl.sendSenderSide\(\)](#), [xtremweb.core.obj.dc.Locator.setdatauid\(\)](#), [xtremweb.core.obj.dc.Locator.setdrname\(\)](#), [xtremweb.core.obj.dt.Transfer.setlocatorlocal\(\)](#), [xtremweb.core.obj.dt.Transfer.setlocatorremote\(\)](#), [xtremweb.core.obj.dr.Protocol.setlogin\(\)](#), [xtremweb.core.obj.dr.Protocol.setname\(\)](#), [xtremweb.core.obj.dr.Protocol.setPassword\(\)](#), [xtremweb.core.obj.dr.Protocol.setpath\(\)](#), [xtremweb.core.obj.dr.Protocol.setport\(\)](#), [xtremweb.core.obj.dc.Locator.setprotocoluid\(\)](#), [xtremweb.core.obj.dr.Protocol.setserver\(\)](#), and [xtremweb.core.obj.dt.Transfer.settype\(\)](#).

Here is the call graph for this function:



#### **5.99.4 Member Data Documentation**

**5.99.4.1 final int xtremweb.serv.dt.ibp.ibpTransfer.DFLT\_CONNECTIONS = 1** [static, package]

Definition at line 42 of file ibpTransfer.java.

Referenced by xtremweb.serv.dt.ipb.ipbTransfer.blockingReceiveReceiverSide(), and xtremweb.serv.dt.ipb.ipbTransfer.blockingSendSenderSide().

**5.99.4.2 final int xtremweb.serv.dt.ibp.ibpTransfer.DFLT\_COPIES = 1 [static, package]**

Definition at line 38 of file ibpTransfer.java.

Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide().

---

**5.99.4.3 final int xtremweb.serv.dt.ibp.ibpTransfer.DFLT\_DURATION = 60\*60\*24** [static, package]

Definition at line 40 of file ibpTransfer.java.

Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide().

**5.99.4.4 final String xtremweb.serv.dt.ibp.ibpTransfer.DFLT\_LOCATION = "state= TN"** [static, package]

Definition at line 43 of file ibpTransfer.java.

Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide().

**5.99.4.5 final int xtremweb.serv.dt.ibp.ibpTransfer.DFLT\_MAX\_DEPOTS = 10** [static, package]

Definition at line 39 of file ibpTransfer.java.

Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide().

**5.99.4.6 final int xtremweb.serv.dt.ibp.ibpTransfer.DFLT\_TRANSFERSIZE = 512 \* 1024** [static, package]

Definition at line 41 of file ibpTransfer.java.

Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide().

**5.99.4.7 LogisticalDownload xtremweb.serv.dt.ibp.ibpTransfer.ibpDownLoader** [protected]

Definition at line 27 of file ibpTransfer.java.

Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingReceiveReceiverSide(), and xtremweb.serv.dt.ibp.ibpTransfer.connect().

**5.99.4.8 LogisticalUpload xtremweb.serv.dt.ibp.ibpTransfer.ibpUpLoader** [protected]

Definition at line 26 of file ibpTransfer.java.

Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide(), and xtremweb.serv.dt.ibp.ibpTransfer.connect().

**5.99.4.9 final String xtremweb.serv.dt.ibp.ibpTransfer.LBONE\_SERVER\_LIST** [static, package]

**Initial value:**

```
"vertex.cs.utk.edu:6767 " +
"acre.sinrg.cs.utk.edu:6767 " +
"galapagos.cs.utk.edu:6767"
```

Definition at line 30 of file ibpTransfer.java.

**5.99.4.10 final int xtremweb.serv.dt.ibp.ibpTransfer.LBONE\_SERVER\_NBMAX = 10** [static, package]

Definition at line 45 of file ibpTransfer.java.

**5.99.4.11 Logger xtremweb.serv.dt.ibp.ibpTransfer.log = LoggerFactory.getLogger(ibpTransfer.class)** [static, protected]

Definition at line 51 of file ibpTransfer.java.

Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide(), and xtremweb.serv.dt.ibp.ibpTransfer.connect().

**5.99.4.12 final String xtremweb.serv.dt.ibp.ibpTransfer.VERSION = "0.01a"** [static, package]

Definition at line 29 of file ibpTransfer.java.

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

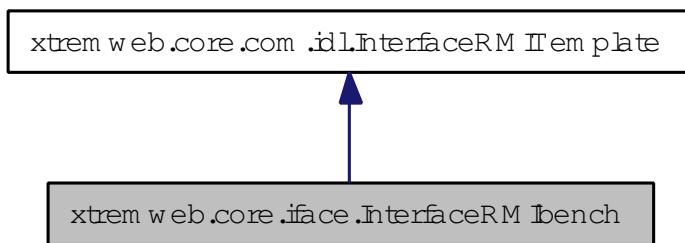
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/ibp/[ibpTransfer.java](#)

## 5.100 xtremweb.core iface.InterfaceRMIBench Interface Reference

Inherits [xtremweb::core::com::idl::InterfaceRMITemplate](#).

Inherited by [xtremweb.core.com.com.CommRMIBench](#), [xtremweb.core.com.handler.HandlerRMIBench](#), [xtremweb.serv.bench.CallbackAllToAllBench](#), [xtremweb.serv.bench.Callbackbench](#), [xtremweb.serv.bench.CallbackBroadCastBench](#), and [xtremweb.serv.bench.CallbackFaultTolerantBench](#).

Collaboration diagram for xtremweb.core iface.InterfaceRMIBench:



### Public Member Functions

- abstract long [register](#) (String hostName) throws RemoteException
- abstract long [startExperience](#) () throws RemoteException
- abstract [Data startExperienceBroadcast](#) () throws RemoteException
- abstract void [endExperience](#) (long workerid, long measure, String[ ] vecteur) throws RemoteException
- abstract String[ ] [getValues](#) () throws RemoteException

#### 5.100.1 Detailed Description

##### [InterfaceRMIBench.java](#)

Interface used to generate Stub ans Skel

This code is generated with from the definition file used TODO

Do not edit this file

##### **Author:**

fedak

##### **Version:**

"1.0"

Definition at line 23 of file [InterfaceRMIBench.java](#).

## 5.100.2 Member Function Documentation

### 5.100.2.1 abstract void xtremweb.core iface.InterfaceRMIBench.endExperience (long workerid, long measure, String[ ] vecteur) throws RemoteException [pure virtual]

Implemented in [xtremweb.core.com.com.CommRMIBench](#), [xtremweb.core.com.handler.HandlerRMIBench](#), [xtremweb.serv.bench.Callbackbench](#), and [xtremweb.serv.bench.CallbackBroadCastBench](#).

Referenced by [xtremweb.role.examples.AllToAll.AllToAll\(\)](#), [xtremweb.role.blast.Worker.main\(\)](#), [xtremweb.role.bench.DDCBroadCastBench.main\(\)](#), [xtremweb.role.bench.DDCBench.main\(\)](#), [xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled\(\)](#), and [xtremweb.role.examples.PublishSearch.PublishSearch\(\)](#).

### 5.100.2.2 abstract String [ ] xtremweb.core iface.InterfaceRMIBench.getValues () throws RemoteException [pure virtual]

Implemented in [xtremweb.core.com.com.CommRMIBench](#), [xtremweb.core.com.handler.HandlerRMIBench](#), [xtremweb.serv.bench.Callbackbench](#), and [xtremweb.serv.bench.CallbackBroadCastBench](#).

Referenced by [xtremweb.role.bench.DDCBench.main\(\)](#).

### 5.100.2.3 abstract long xtremweb.core iface.InterfaceRMIBench.register (String hostName) throws RemoteException [pure virtual]

Implemented in [xtremweb.core.com.com.CommRMIBench](#), [xtremweb.core.com.handler.HandlerRMIBench](#), [xtremweb.serv.bench.Callbackbench](#), and [xtremweb.serv.bench.CallbackBroadCastBench](#).

Referenced by [xtremweb.role.examples.AllToAll.AllToAll\(\)](#), [xtremweb.role.examples.Broadcast.Broadcast\(\)](#), [xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench\(\)](#), [xtremweb.role.blast.Worker.main\(\)](#), [xtremweb.role.bench.DDCBroadCastBench.main\(\)](#), [xtremweb.role.bench.DDCBench.main\(\)](#), and [xtremweb.role.examples.PublishSearch.PublishSearch\(\)](#).

### 5.100.2.4 abstract long xtremweb.core iface.InterfaceRMIBench.startExperience () throws RemoteException [pure virtual]

Implemented in [xtremweb.core.com.com.CommRMIBench](#), [xtremweb.core.com.handler.HandlerRMIBench](#), and [xtremweb.serv.bench.Callbackbench](#).

Referenced by [xtremweb.role.examples.AllToAll.AllToAll\(\)](#), [xtremweb.role.examples.Broadcast.Broadcast\(\)](#), [xtremweb.role.bench.DDCBench.main\(\)](#), [xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled\(\)](#), and [xtremweb.role.examples.PublishSearch.PublishSearch\(\)](#).

### 5.100.2.5 abstract Data xtremweb.core iface.InterfaceRMIBench.startExperienceBroadcast () throws RemoteException [pure virtual]

Implemented in [xtremweb.core.com.com.CommRMIBench](#), [xtremweb.core.com.handler.HandlerRMIBench](#), [xtremweb.serv.bench.Callbackbench](#), and [xtremweb.serv.bench.CallbackBroadCastBench](#).

Referenced by [xtremweb.role.blast.Worker.main\(\)](#), and [xtremweb.role.bench.DDCBroadCastBench.main\(\)](#).

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

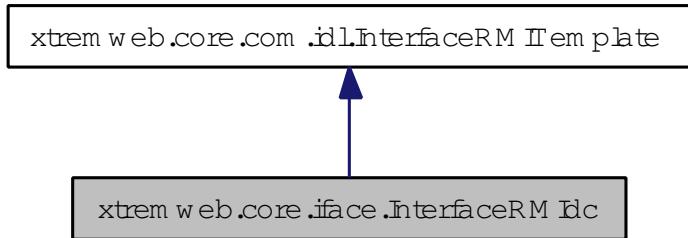
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/iface/[InterfaceRMIBench.java](#)

## 5.101 xtremweb.core iface.InterfaceRMIdc Interface Reference

Inherits [xtremweb::core::com::idl::InterfaceRMITemplate](#).

Inherited by [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

Collaboration diagram for xtremweb.core iface.InterfaceRMIdc:



### Public Member Functions

- abstract [Data createData](#) (String name, String checksum, long size, int type) throws RemoteException
- abstract [Data createData](#) () throws RemoteException
- abstract void [putData](#) ([Data](#) data) throws RemoteException
- abstract [Data getData](#) (String uid) throws RemoteException
- abstract void [setDataStatus](#) (String uid, int status) throws RemoteException
- abstract void [deleteData](#) ([Data](#) data) throws RemoteException
- abstract void [putLocator](#) ([Locator](#) locator) throws RemoteException
- abstract [Locator getLocatorByDataUID](#) (String datauid) throws RemoteException
- abstract String [getDDCEntryPoint](#) () throws RemoteException

#### 5.101.1 Detailed Description

[InterfaceRMIdc.java](#)

Interface used to generate Stub ans Skel

This code is generated with from the definition file used TODO

Do not edit this file

**Author:**

fedak

**Version:**

"1.0"

Definition at line 23 of file [InterfaceRMIdc.java](#).

## 5.101.2 Member Function Documentation

**5.101.2.1 abstract Data xtremweb.core iface.InterfaceRMIdc.createData () throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

**5.101.2.2 abstract Data xtremweb.core iface.InterfaceRMIdc.createData (String name, String checksum, long size, int type) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

**5.101.2.3 abstract void xtremweb.core iface.InterfaceRMIdc.deleteData (Data data) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

**5.101.2.4 abstract Data xtremweb.core iface.InterfaceRMIdc.getData (String uid) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

Referenced by xtremweb.api.activedata.ActiveData.checkData(), and xtremweb.api.bitdew.BitDew.searchDataByUid().

**5.101.2.5 abstract String xtremweb.core iface.InterfaceRMIdc.getDDCEntryPoint () throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

Referenced by xtremweb.api.bitdew.BitDew.init().

**5.101.2.6 abstract Locator xtremweb.core iface.InterfaceRMIdc.getLocatorByDataUID (String datauid) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

Referenced by xtremweb.api.bitdew.BitDew.get().

**5.101.2.7 abstract void xtremweb.core iface.InterfaceRMIdc.putData (Data data) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

Referenced by `xtremweb.api.bitdew.BitDew.createData()`, `xtremweb.api.activedata.ActiveData.fixoob()`, `xtremweb.api.bitdew.BitDew.putData()`, `xtremweb.api.activedata.ActiveData.schedule()`, and `xtremweb.api.activedata.ActiveData.scheduleAndPin()`.

**5.101.2.8 abstract void xtremweb.core iface.InterfaceRMIdc.putLocator (Locator *locator*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

Referenced by `xtremweb.api.transman.test.TransferManagerTest.main()`, `xtremweb.api.bitdew.BitDew.put()`, and `xtremweb.api.bitdew.BitDew.putLocator()`.

**5.101.2.9 abstract void xtremweb.core iface.InterfaceRMIdc.setDataStatus (String *uid*, int *status*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdc](#), [xtremweb.core.com.handler.HandlerRMIdc](#), and [xtremweb.serv.dc.Callbackdc](#).

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

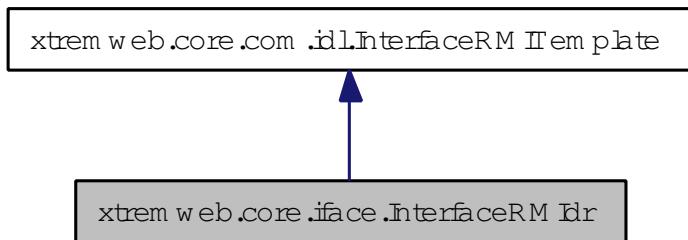
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/iface/[InterfaceRMIdc.java](#)

## 5.102 xtremweb.core iface.InterfaceRMIdr Interface Reference

Inherits [xtremweb::core::com::idl::InterfaceRMITemplate](#).

Inherited by [xtremweb.core.com.com.CommRMIdr](#), [xtremweb.core.com.handler.HandlerRMIdr](#), and [xtremweb.serv.dr.Callbackdr](#).

Collaboration diagram for xtremweb.core iface.InterfaceRMIdr:



### Public Member Functions

- abstract void [registerProtocol \(Protocol proto\)](#) throws RemoteException
- abstract [Protocol getProtocolByName \(String name\)](#) throws RemoteException
- abstract [Protocol getProtocolByUID \(String name\)](#) throws RemoteException
- abstract String [getRef \(String datauid\)](#) throws RemoteException

#### 5.102.1 Detailed Description

[InterfaceRMIdr.java](#)

Interface used to generate Stub ans Skel

This code is generated with from the definition file used TODO

Do not edit this file

**Author:**

fedak

**Version:**

"1.0"

Definition at line 23 of file [InterfaceRMIdr.java](#).

#### 5.102.2 Member Function Documentation

##### 5.102.2.1 abstract Protocol [xtremweb.core iface.InterfaceRMIdr.getProtocolByName \(String name\)](#) throws RemoteException [pure virtual]

Implemented in [xtremweb.core.com.com.CommRMIdr](#), [xtremweb.core.com.handler.HandlerRMIdr](#), and [xtremweb.serv.dr.Callbackdr](#).

Referenced by [xtremweb.api.transman.test.TransferManagerTest.main\(\)](#), and [xtremweb.api.bitdew.BitDew.put\(\)](#).

**5.102.2.2 abstract Protocol [xtremweb.core iface.InterfaceRMIdr.getProtocolByUID \(String name\)](#) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdr](#), [xtremweb.core.com.handler.HandlerRMIdr](#), and [xtremweb.serv.dr.Callbackdr](#).

Referenced by [xtremweb.api.bitdew.BitDew.get\(\)](#).

**5.102.2.3 abstract String [xtremweb.core iface.InterfaceRMIdr.getRef \(String datauid\)](#) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdr](#), [xtremweb.core.com.handler.HandlerRMIdr](#), and [xtremweb.serv.dr.Callbackdr](#).

**5.102.2.4 abstract void [xtremweb.core iface.InterfaceRMIdr.registerProtocol \(Protocol proto\)](#) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdr](#), [xtremweb.core.com.handler.HandlerRMIdr](#), and [xtremweb.serv.dr.Callbackdr](#).

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

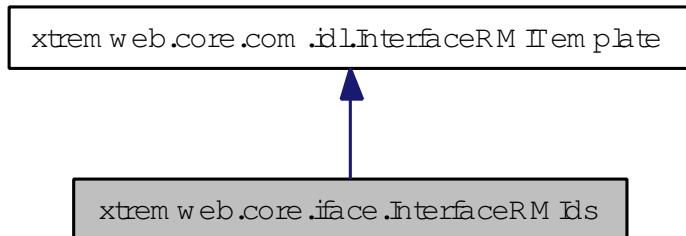
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/iface/[InterfaceRMIdr.java](#)

## 5.103 xtremweb.core iface.InterfaceRMIds Interface Reference

Inherits [xtremweb::core::com::idl::InterfaceRMITemplate](#).

Inherited by [xtremweb.core.com.com.CommRMIds](#), [xtremweb.core.com.handler.HandlerRMIds](#), and [xtremweb.serv.ds.Callbackds](#).

Collaboration diagram for xtremweb.core iface.InterfaceRMIds:



### Public Member Functions

- abstract [Attribute registerAttribute \(Attribute attribute\)](#) throws RemoteException
- abstract [Attribute getAttributeByUid \(String uid\)](#) throws RemoteException
- abstract void [associateDataAttribute \(Data data, Attribute attribute\)](#) throws RemoteException
- abstract void [associateDataAttributeHost \(Data data, Attribute attribute, Host host\)](#) throws RemoteException
- abstract void [associateDataHost \(Data data, Host host\)](#) throws RemoteException
- abstract void [removeData \(Data data\)](#) throws RemoteException
- abstract Vector [sync \(Host host, Vector datas\)](#) throws RemoteException

### 5.103.1 Detailed Description

#### [InterfaceRMIds.java](#)

Interface used to generate Stub ans Skel

This code is generated with from the definition file used TODO

Do not edit this file

#### **Author:**

fedak

#### **Version:**

"1.0"

Definition at line 23 of file [InterfaceRMIds.java](#).

### 5.103.2 Member Function Documentation

**5.103.2.1 abstract void xtremweb.core iface InterfaceRMIds.associateDataAttribute (Data *data*, Attribute *attribute*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIds](#), [xtremweb.core.com.handler.HandlerRMIds](#), and [xtremweb.serv.ds.Callbackds](#).

Referenced by [xtremweb.api.activedata.ActiveData.schedule\(\)](#).

**5.103.2.2 abstract void xtremweb.core iface InterfaceRMIds.associateDataAttributeHost (Data *data*, Attribute *attribute*, Host *host*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIds](#), [xtremweb.core.com.handler.HandlerRMIds](#), and [xtremweb.serv.ds.Callbackds](#).

Referenced by [xtremweb.api.activedata.ActiveData.scheduleAndPin\(\)](#).

**5.103.2.3 abstract void xtremweb.core iface InterfaceRMIds.associateDataHost (Data *data*, Host *host*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIds](#), [xtremweb.core.com.handler.HandlerRMIds](#), and [xtremweb.serv.ds.Callbackds](#).

Referenced by [xtremweb.api.activedata.ActiveData.pin\(\)](#).

**5.103.2.4 abstract Attribute xtremweb.core iface InterfaceRMIds.getAttributeByUid (String *uid*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIds](#), [xtremweb.core.com.handler.HandlerRMIds](#), and [xtremweb.serv.ds.Callbackds](#).

Referenced by [xtremweb.api.activedata.ActiveData.checkData\(\)](#).

**5.103.2.5 abstract Attribute xtremweb.core iface InterfaceRMIds.registerAttribute (Attribute *attribute*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIds](#), [xtremweb.core.com.handler.HandlerRMIds](#), and [xtremweb.serv.ds.Callbackds](#).

Referenced by [xtremweb.api.activedata.ActiveData.registerAttribute\(\)](#).

**5.103.2.6 abstract void xtremweb.core iface InterfaceRMIds.removeData (Data *data*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIds](#), [xtremweb.core.com.handler.HandlerRMIds](#), and [xtremweb.serv.ds.Callbackds](#).

Referenced by [xtremweb.api.activedata.ActiveData.unschedule\(\)](#).

**5.103.2.7 abstract Vector xtremweb.core iface.InterfaceRMIds.sync (Host host, Vector datas)  
throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIds](#), [xtremweb.core.com.handler.HandlerRMIds](#), and [xtremweb.serv.ds.Callbackds](#).

Referenced by [xtremweb.api.activedata.ActiveData.checkData\(\)](#).

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

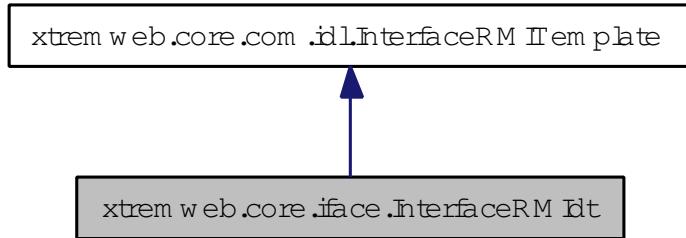
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/iface/[InterfaceRMIds.java](#)

## 5.104 xtremweb.core iface.InterfaceRMIdt Interface Reference

Inherits [xtremweb::core::com::idl::InterfaceRMITemplate](#).

Inherited by [xtremweb.core.com.com.CommRMIdt](#), [xtremweb.core.com.handler.HandlerRMIdt](#), and [xtremweb.serv.dt.Callbackdt](#).

Collaboration diagram for xtremweb.core iface.InterfaceRMIdt:



### Public Member Functions

- abstract int [registerTransfer](#) ([Transfer](#) transfer, [Data](#) data, [Protocol](#) protocol, [Locator](#) locator) throws RemoteException
- abstract int [startTransfer](#) (String transfer) throws RemoteException
- abstract void [setTransferStatus](#) (String transfer, int status) throws RemoteException
- abstract boolean [poolTransfer](#) (String transfer) throws RemoteException
- abstract int [endTransfer](#) (String transfer) throws RemoteException
- abstract int [abortTransfer](#) (String transfer) throws RemoteException
- abstract void [putTransfer](#) ([Transfer](#) transfer) throws RemoteException

#### 5.104.1 Detailed Description

[InterfaceRMIdt.java](#)

Interface used to generate Stub ans Skel

This code is generated with from the definition file used TODO

Do not edit this file

**Author:**

fedak

**Version:**

"1.0"

Definition at line 23 of file [InterfaceRMIdt.java](#).

## 5.104.2 Member Function Documentation

**5.104.2.1 abstract int xtremweb.core iface.InterfaceRMIdt.abortTransfer (String *transfer*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdt](#), [xtremweb.core.com.handler.HandlerRMIdt](#), and [xtremweb.serv.dt.Callbackdt](#).

**5.104.2.2 abstract int xtremweb.core iface.InterfaceRMIdt.endTransfer (String *transfer*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdt](#), [xtremweb.core.com.handler.HandlerRMIdt](#), and [xtremweb.serv.dt.Callbackdt](#).

Referenced by [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

**5.104.2.3 abstract boolean xtremweb.core iface.InterfaceRMIdt.poolTransfer (String *transfer*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdt](#), [xtremweb.core.com.handler.HandlerRMIdt](#), and [xtremweb.serv.dt.Callbackdt](#).

Referenced by [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

**5.104.2.4 abstract void xtremweb.core iface.InterfaceRMIdt.putTransfer (Transfer *transfer*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdt](#), [xtremweb.core.com.handler.HandlerRMIdt](#), and [xtremweb.serv.dt.Callbackdt](#).

Referenced by [xtremweb.api.transman.TransferManager.createTransfer\(\)](#).

**5.104.2.5 abstract int xtremweb.core iface.InterfaceRMIdt.registerTransfer (Transfer *transfer*, Data *data*, Protocol *protocol*, Locator *locator*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdt](#), [xtremweb.core.com.handler.HandlerRMIdt](#), and [xtremweb.serv.dt.Callbackdt](#).

Referenced by [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

**5.104.2.6 abstract void xtremweb.core iface.InterfaceRMIdt.setTransferStatus (String *transfer*, int *status*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdt](#), [xtremweb.core.com.handler.HandlerRMIdt](#), and [xtremweb.serv.dt.Callbackdt](#).

Referenced by [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

**5.104.2.7 abstract int xtremweb.core iface.InterfaceRMIdt.startTransfer (String *transfer*) throws RemoteException [pure virtual]**

Implemented in [xtremweb.core.com.com.CommRMIdt](#), [xtremweb.core.com.handler.HandlerRMIdt](#), and [xtremweb.serv.dt.Callbackdt](#).

Referenced by [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/iface/[InterfaceRMIdt.java](#)

## 5.105 xtremweb.core.poxwo.InterfaceRMIpoxwo Interface Reference

Inherited by [xtremweb.core.poxwo.Callbackpoxwo](#).

### Public Member Functions

- void `remotePersist (Poxwo obj)` throws `RemoteException`

#### 5.105.1 Detailed Description

Definition at line 14 of file `InterfaceRMIpoxwo.java`.

#### 5.105.2 Member Function Documentation

##### 5.105.2.1 void xtremweb.core.poxwo.InterfaceRMIpoxwo.remotePersist (Poxwo *obj*) throws RemoteException

Implemented in [xtremweb.core.poxwo.Callbackpoxwo](#).

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/poxwo/[InterfaceRMIpoxwo.java](#)

## 5.106 xtremweb.core.com.idl.InterfaceRMITemplate Interface Reference

Inherited by [xtremweb.core iface InterfaceRMIBench](#), [xtremweb.core iface InterfaceRMIDc](#), [xtremweb.core iface InterfaceRMIdr](#), [xtremweb.core iface InterfaceRMIds](#), and [xtremweb.core iface InterfaceRMIdt](#).

### 5.106.1 Detailed Description

Definition at line 15 of file `InterfaceRMITemplate.java`.

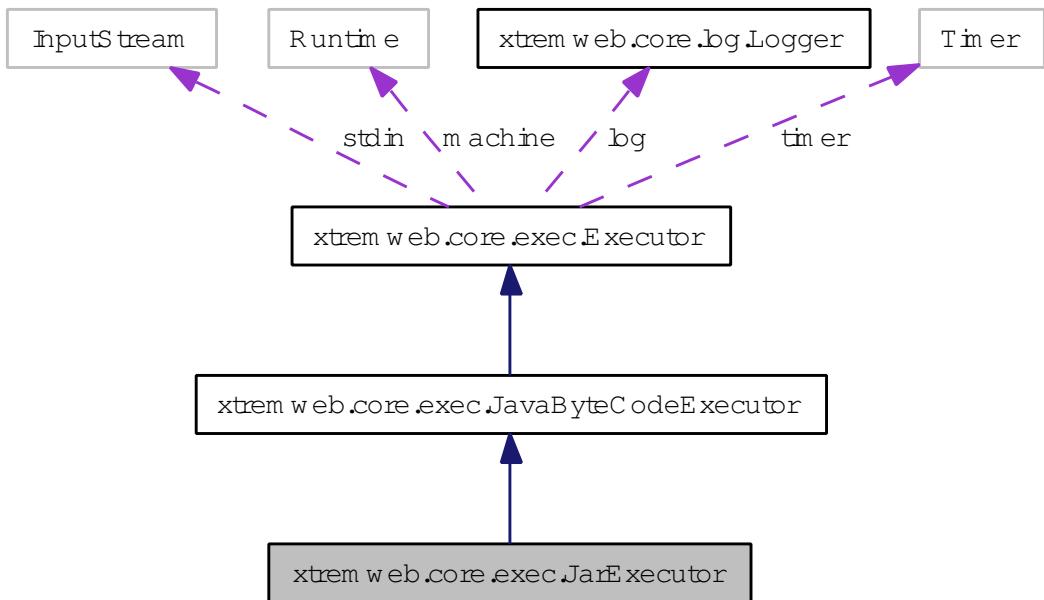
The documentation for this interface was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/idl/[InterfaceRMITemplate.java](#)

## 5.107 xtremweb.core.exec.JarExecutor Class Reference

Inherits [xtremweb::core::exec::JavaByteCodeExecutor](#).

Collaboration diagram for xtremweb.core.exec.JarExecutor:



### Public Member Functions

- [JarExecutor \(String jarName\)](#) throws ExecutorLaunchException
- [JarExecutor \(String execDir, String\[\] classPath, String propertiesOption, String jarName, String argv\[\]\)](#) throws ExecutorLaunchException
- [JarExecutor \(String execDir, String classPath, String propertiesOption, String jarName, String argv\)](#) throws ExecutorLaunchException

### Static Public Member Functions

- static void [main \(String\[\] args\)](#)

#### 5.107.1 Detailed Description

[JarExecutor](#) allows to launch the execution of Java application, provided as jar files, in a separate JVM

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 13 of file JarExecutor.java.

## 5.107.2 Constructor & Destructor Documentation

### 5.107.2.1 `xtremweb.core.exec.JarExecutor.JarExecutor (String jarName) throws ExecutorLaunchException`

Creates a new `JarExecutor` instance.

#### Parameters:

*jarName* a `String` value

#### Exceptions:

`ExecutorLaunchException` if an error occurs

Definition at line 22 of file JarExecutor.java.

Referenced by `xtremweb.core.exec.JarExecutor.main()`.

### 5.107.2.2 `xtremweb.core.exec.JarExecutor.JarExecutor (String execDir, String[] classPath, String propertiesOption, String jarName, String argv[]) throws ExecutorLaunchException`

Creates a new `JarExecutor` instance.

#### Parameters:

*execDir* a `String` value

*classPath* a `String[]` value

*propertiesOption* a `String` value

*jarName* a `String` value

*argv[]* a `String` value

#### Exceptions:

`ExecutorLaunchException` if an error occurs

Definition at line 36 of file JarExecutor.java.

References `xtremweb.core.exec.JavaByteCodeExecutor.classPath`, `xtremweb.core.exec.JavaByteCodeExecutor.propertiesOption`. and

### 5.107.2.3 `xtremweb.core.exec.JarExecutor.JarExecutor (String execDir, String classPath, String propertiesOption, String jarName, String argv) throws ExecutorLaunchException`

Creates a new `JarExecutor` instance.

#### Parameters:

*execDir* a `String` value

*classPath* a `String` value

*propertiesOption* a `String` value

*jarName* a `String` value

*argv* a String value

**Exceptions:**

*ExecutorLaunchException* if an error occurs

Definition at line 60 of file JarExecutor.java.

References xtremweb.core.exec.JavaByteCodeExecutor.classPath, and xtremweb.core.exec.JavaByteCodeExecutor.propertiesOption.

### 5.107.3 Member Function Documentation

#### 5.107.3.1 static void xtremweb.core.exec.JarExecutor.main (String[ ] args) [static]

Describe main method here.

**Parameters:**

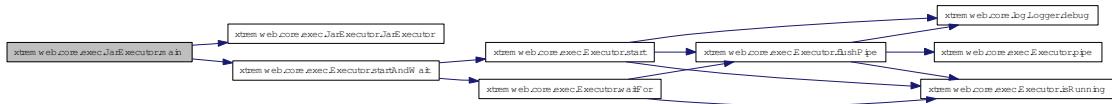
*args* a String[ ] value

Reimplemented from [xtremweb.core.exec.Executor](#).

Definition at line 73 of file JarExecutor.java.

References xtremweb.core.exec.JarExecutor.JarExecutor(), and xtremweb.core.exec.Executor.startAndWait().

Here is the call graph for this function:



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

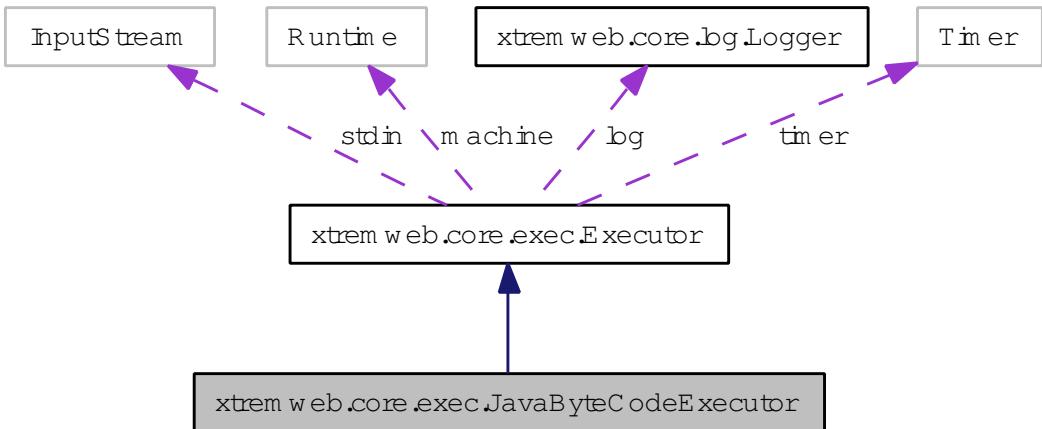
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/exec/JarExecutor.java

## 5.108 xtremweb.core.exec.JavaByteCodeExecutor Class Reference

Inherits [xtremweb::core::exec::Executor](#).

Inherited by [xtremweb.core.exec.ClassExecutor](#), and [xtremweb.core.exec.JarExecutor](#).

Collaboration diagram for `xtremweb.core.exec.JavaByteCodeExecutor`:



### Protected Member Functions

- `JavaByteCodeExecutor (String eD, String cP, String pO, String jNoC, String argv, boolean iJ) throws ExecutorLaunchException`

### Protected Attributes

- `String jarNameOrClassName`
- `String args`
- `boolean isJar`
- `String jvm`
- `String classPath`
- `String propertiesOption`

### Private Member Functions

- `void setJVM () throws ExecutorLaunchException`
- `void setCmdLine ()`

#### 5.108.1 Detailed Description

`JavaByteCodeExecutor` is a class which permits to launch Java application in a separate JVM

#### Author:

Gilles Fedak

**Version:**

1.0

Definition at line 14 of file JavaByteCodeExecutor.java.

## 5.108.2 Constructor & Destructor Documentation

### 5.108.2.1 `xtremweb.core.exec.JavaByteCodeExecutor.JavaByteCodeExecutor (String eD, String cP, String pO, String jNoC, String argv, boolean iJ) throws ExecutorLaunchException [protected]`

Creates a new [JavaByteCodeExecutor](#) instance.

**Parameters:**

- `cP` a String value
- `pO` a String value
- `jNoC` a String value
- `argv` a String value
- `iJ` a boolean value

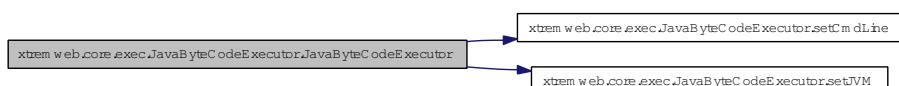
**Exceptions:**

[ExecutorLaunchException](#) if an error occurs

Definition at line 33 of file JavaByteCodeExecutor.java.

References `xtremweb.core.exec.JavaByteCodeExecutor.args`, `xtremweb.core.exec.JavaByteCodeExecutor.classPath`, `xtremweb.core.exec.Executor.executionDirectory`, `xtremweb.core.exec.JavaByteCodeExecutor.isJar`, `xtremweb.core.exec.JavaByteCodeExecutor.jarNameOrClassName`, `xtremweb.core.exec.JavaByteCodeExecutor.propertiesOption`, `xtremweb.core.exec.JavaByteCodeExecutor.setCmdLine()`, and `xtremweb.core.exec.JavaByteCodeExecutor.setJVM()`.

Here is the call graph for this function:



## 5.108.3 Member Function Documentation

### 5.108.3.1 `void xtremweb.core.exec.JavaByteCodeExecutor.setCmdLine () [private]`

Definition at line 59 of file JavaByteCodeExecutor.java.

References `xtremweb.core.exec.JavaByteCodeExecutor.args`, `xtremweb.core.exec.JavaByteCodeExecutor.classPath`, `xtremweb.core.exec.Executor.commandLine`, `xtremweb.core.exec.JavaByteCodeExecutor.isJar`, `xtremweb.core.exec.JavaByteCodeExecutor.jarNameOrClassName`, `xtremweb.core.exec.JavaByteCodeExecutor.jvm`, and `xtremweb.core.exec.JavaByteCodeExecutor.propertiesOption`.

Referenced by `xtremweb.core.exec.JavaByteCodeExecutor.JavaByteCodeExecutor()`.

**5.108.3.2 void xtremweb.core.exec.JavaByteCodeExecutor.setJVM () throws ExecutorLaunchException [private]**

Definition at line 49 of file JavaByteCodeExecutor.java.

References xtremweb.core.exec.JavaByteCodeExecutor.jvm, and xtremweb.core.exec.Executor.log.

Referenced by xtremweb.core.exec.JavaByteCodeExecutor.JavaByteCodeExecutor().

## 5.108.4 Member Data Documentation

**5.108.4.1 String xtremweb.core.exec.JavaByteCodeExecutor.args [protected]**

Definition at line 17 of file JavaByteCodeExecutor.java.

Referenced by xtremweb.core.exec.JavaByteCodeExecutor.JavaByteCodeExecutor(), and xtremweb.core.exec.JavaByteCodeExecutor.setCmdLine().

**5.108.4.2 String xtremweb.core.exec.JavaByteCodeExecutor.classPath [protected]**

Definition at line 20 of file JavaByteCodeExecutor.java.

Referenced by xtremweb.core.exec.ClassExecutor.ClassExecutor(), xtremweb.core.exec.JarExecutor.JarExecutor(), xtremweb.core.exec.JavaByteCodeExecutor.JavaByteCodeExecutor(), and xtremweb.core.exec.JavaByteCodeExecutor.setCmdLine().

**5.108.4.3 boolean xtremweb.core.exec.JavaByteCodeExecutor.isJar [protected]**

Definition at line 18 of file JavaByteCodeExecutor.java.

Referenced by xtremweb.core.exec.JavaByteCodeExecutor.JavaByteCodeExecutor(), and xtremweb.core.exec.JavaByteCodeExecutor.setCmdLine().

**5.108.4.4 String xtremweb.core.exec.JavaByteCodeExecutor.jarNameOrClassName [protected]**

Definition at line 16 of file JavaByteCodeExecutor.java.

Referenced by xtremweb.core.exec.JavaByteCodeExecutor.JavaByteCodeExecutor(), and xtremweb.core.exec.JavaByteCodeExecutor.setCmdLine().

**5.108.4.5 String xtremweb.core.exec.JavaByteCodeExecutor.jvm [protected]**

Definition at line 19 of file JavaByteCodeExecutor.java.

Referenced by xtremweb.core.exec.JavaByteCodeExecutor.setCmdLine(), and xtremweb.core.exec.JavaByteCodeExecutor.setJVM().

**5.108.4.6 String xtremweb.core.exec.JavaByteCodeExecutor.propertiesOption [protected]**

Definition at line 21 of file JavaByteCodeExecutor.java.

Referenced by xtremweb.core.exec.ClassExecutor.ClassExecutor(), xtremweb.core.exec.JarExecutor.JarExecutor(),  
xtremweb.core.exec.JavaByteCodeExecutor.JavaByteCodeExecutor(),  
and  
xtremweb.core.exec.JavaByteCodeExecutor.setCmdLine().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/exec/[JavaByteCodeExecutor.java](#)

## 5.109 xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog Class Reference

Inherits [xtremweb::serv::dc::ddc::DistributedDataCatalogImpl](#), and [xtremweb::serv::dc::ddc::DistributedDataCatalog](#).

Collaboration diagram for `xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog`:



### Public Member Functions

- [JDHTDistributedDataCatalog \(\)](#)
- void [start \(\)](#) throws `DDCException`
- String [entryPoint \(\)](#) throws `DDCException`
- void [join \(String url\)](#) throws `DDCException`
- void [publish \(String key, String value\)](#) throws `DDCException`
- String [search \(String key\)](#) throws `DDCException`

### Protected Attributes

- JDHT [JDHT](#) = null
- String [url](#) = null
- int [DEFAULT\\_PORT](#) = 5500

#### 5.109.1 Detailed Description

Describe class [JDHTDistributedDataCatalog](#) here.

Created: Thu Aug 31 15:23:05 2006

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 17 of file `JDHTDistributedDataCatalog.java`.

#### 5.109.2 Constructor & Destructor Documentation

##### 5.109.2.1 xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.JDHTDistributedDataCatalog 0

Creates a new [JDHTDistributedDataCatalog](#) instance.

Definition at line 27 of file `JDHTDistributedDataCatalog.java`.

### 5.109.3 Member Function Documentation

#### 5.109.3.1 String xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.entryPoint () throws DDCEException

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 41 of file JDHTDistributedDataCatalog.java.

References xtremweb.serv.dc.ddc.DistributedDataCatalogImpl.logger, and xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.url.

#### 5.109.3.2 void xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.join (String url) throws DDCEException

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 50 of file JDHTDistributedDataCatalog.java.

References xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.DEFAULT\_PORT, xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.jDHT, xtremweb.serv.dc.ddc.DistributedDataCatalogImpl.logger, and xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.url.

#### 5.109.3.3 void xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.publish (String key, String value) throws DDCEException

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 59 of file JDHTDistributedDataCatalog.java.

References xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.jDHT, and xtremweb.serv.dc.ddc.DistributedDataCatalogImpl.logger.

#### 5.109.3.4 String xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.search (String key) throws DDCEException

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 68 of file JDHTDistributedDataCatalog.java.

References xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.jDHT, and xtremweb.serv.dc.ddc.DistributedDataCatalogImpl.logger.

#### 5.109.3.5 void xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.start () throws DDCEException

Implements [xtremweb.serv.dc.ddc.DistributedDataCatalog](#).

Definition at line 31 of file JDHTDistributedDataCatalog.java.

References xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.jDHT, xtremweb.serv.dc.ddc.DistributedDataCatalogImpl.logger, and xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.url.

## 5.109.4 Member Data Documentation

**5.109.4.1 int xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.DEFAULT\_PORT = 5500**  
[protected]

Definition at line 21 of file JDHTDistributedDataCatalog.java.

Referenced by xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.join().

**5.109.4.2 JDHT xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.jDHT = null**  
[protected]

Definition at line 19 of file JDHTDistributedDataCatalog.java.

Referenced by xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.join(),  
xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.publish(), xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.se  
and xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.start().

**5.109.4.3 String xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.url = null**  
[protected]

Definition at line 20 of file JDHTDistributedDataCatalog.java.

Referenced by xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.entryPoint(),  
xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.join(), and xtremweb.serv.dc.ddc.jdht.JDHTDistributedDataCatalog.st

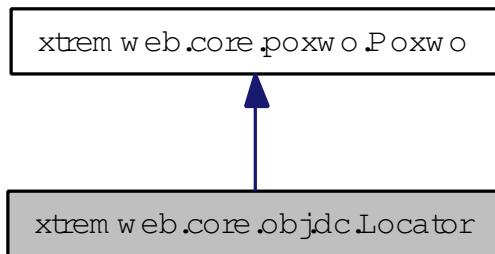
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dc/ddc/jdht/JDHTDistributedDataCatalog.java

## 5.110 xtremweb.core.obj.dc.Locator Class Reference

Inherits [xtremweb::core::poxwo::Poxwo](#).

Collaboration diagram for xtremweb.core.obj.dc.Locator:



### Public Member Functions

- String `getuid()`
- void `setuid(String uid)`
- String `getdatauid()`
- void `setdatauid(String datauid)`
- String `getdrname()`
- void `setdrname(String drname)`
- String `getprotocoluid()`
- void `setprotocoluid(String protocoluid)`
- String `getref()`
- void `setref(String ref)`
- boolean `getpublish()`
- void `setpublish(boolean publish)`

### Private Attributes

- String `uid`
- String `datauid`
- String `drname`
- String `protocoluid`
- String `ref`
- boolean `publish`

### 5.110.1 Detailed Description

#### [Locator.java](#)

Declaration of object `Locator`

This code is generated with XwIDL from the definition file used TODO

Do not edit this file !

#### Author:

fedak

**Version:**

"1.0"

Definition at line 24 of file Locator.java.

## 5.110.2 Member Function Documentation

### 5.110.2.1 String xtremweb.core.obj.dc.Locator.getdatauid ()

Definition at line 52 of file Locator.java.

References xtremweb.core.obj.dc.Locator.datauid.

Referenced by xtremweb.serv.dt.OOBTransferFactory.createOOBTransfer(), and xtremweb.serv.dc.Callbackdc.getLocatorByDataUID().

### 5.110.2.2 String xtremweb.core.obj.dc.Locator.getdrname ()

Definition at line 59 of file Locator.java.

References xtremweb.core.obj.dc.Locator.drname.

Referenced by xtremweb.api.bitdew.BitDew.get(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.serv.dt.nio.NioTransfer.niotoString(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceiverSide(), xtremweb.serv.dt.mail.MailTransfer.toString(), and xtremweb.serv.dt.dummy.DummyTransfer.toString().

### 5.110.2.3 String xtremweb.core.obj.dc.Locator.getprotocoluid ()

Definition at line 66 of file Locator.java.

References xtremweb.core.obj.dc.Locator.protocoluid.

Referenced by xtremweb.serv.dt.OOBTransferFactory.createOOBTransfer(), and xtremweb.api.bitdew.BitDew.get().

### 5.110.2.4 boolean xtremweb.core.obj.dc.Locator.getpublish ()

Definition at line 80 of file Locator.java.

References xtremweb.core.obj.dc.Locator.publish.

Referenced by xtremweb.serv.dc.Callbackdc.getLocatorByDataUID().

### 5.110.2.5 String xtremweb.core.obj.dc.Locator.getref ()

Definition at line 73 of file Locator.java.

References xtremweb.core.obj.dc.Locator.ref.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ipb.ibpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide(), xtremweb.serv.dt.ipb.ibpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendSenderSide(),

xtremweb.api.bitdew.BitDew.get(), xtremweb.api.transman.test.TransferManagerTest.main(),  
 xtremweb.serv.dt.nio.NioTransfer.nonBlockingReceiveReceiverSide(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlock  
 xtremweb.serv.dt.nio.NioTransfer.nonBlockingSendSenderSide(), xtremweb.serv.dt.OOBTransferImpl.poolTransfer(),  
 xtremweb.api.bitdew.BitDew.put(), and xtremweb.serv.dt.http.HttpTransfer.toString().

#### 5.110.2.6 String xtremweb.core.obj.dc.Locator.getuid () [virtual]

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 45 of file Locator.java.

References xtremweb.core.obj.dc.Locator.uid.

Referenced by xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dc.Callbackdc.getLocatorByDataUID(),  
 xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ipb.ipbTransfer.main(),  
 xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(),  
 xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(),  
 xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.api.transman.test.TransferManagerTest.main(),  
 xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.api.bitdew.BitDew.put(),  
 xtremweb.serv.dt.Callbackdt.registerTransfer(), and xtremweb.serv.dt.OOBTransferImpl.toString().

#### 5.110.2.7 void xtremweb.core.obj.dc.Locator.setdatauid (String *datauid*)

Definition at line 55 of file Locator.java.

Referenced by xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dc.LocatorUtil.localLocator(),  
 xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ipb.ipbTransfer.main(),  
 xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(),  
 xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(),  
 xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.api.transman.test.TransferManagerTest.main(),  
 xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.api.bitdew.BitDew.put(), and  
 xtremweb.serv.dt.Callbackdt.registerTransfer().

#### 5.110.2.8 void xtremweb.core.obj.dc.Locator.setdrname (String *drname*)

Definition at line 62 of file Locator.java.

Referenced by xtremweb.serv.dc.LocatorUtil.localLocator(), xtremweb.serv.dt.mail.MailTransfer.main(),  
 xtremweb.serv.dt.ipb.ipbTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(),  
 xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.dummy.DummyTransfer.main(),  
 xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(),  
 xtremweb.api.transman.test.TransferManagerTest.main(), and xtremweb.api.bitdew.BitDew.put().

#### 5.110.2.9 void xtremweb.core.obj.dc.Locator.setprotocoluid (String *protocoluid*)

Definition at line 69 of file Locator.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ipb.ipbTransfer.main(),  
 xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(),  
 xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(),  
 xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.api.transman.test.TransferManagerTest.main(),  
 xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.api.bitdew.BitDew.put(), and  
 xtremweb.serv.dt.Callbackdt.registerTransfer().

**5.110.2.10 void xtremweb.core.obj.dc.Locator.setpublish (boolean publish)**

Definition at line 83 of file Locator.java.

**5.110.2.11 void xtremweb.core.obj.dc.Locator.setref (String ref)**

Definition at line 76 of file Locator.java.

Referenced by xtremweb.api.bitdew.BitDew.createLocator(), xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dc.LocatorUtil.localLocator(), xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.api.bitdew.BitDew.put(), and xtremweb.serv.dt.Callbackdt.registerTransfer().

**5.110.2.12 void xtremweb.core.obj.dc.Locator.setuid (String uid) [virtual]**

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 48 of file Locator.java.

### 5.110.3 Member Data Documentation

**5.110.3.1 String xtremweb.core.obj.dc.Locator.datauid [private]**

Definition at line 31 of file Locator.java.

Referenced by xtremweb.core.obj.dc.Locator.getdatauid().

**5.110.3.2 String xtremweb.core.obj.dc.Locator.drname [private]**

Definition at line 34 of file Locator.java.

Referenced by xtremweb.core.obj.dc.Locator.getdrname().

**5.110.3.3 String xtremweb.core.obj.dc.Locator.protocoluid [private]**

Definition at line 37 of file Locator.java.

Referenced by xtremweb.core.obj.dc.Locator.getprotocoluid().

**5.110.3.4 boolean xtremweb.core.obj.dc.Locator.publish [private]**

Definition at line 43 of file Locator.java.

Referenced by xtremweb.core.obj.dc.Locator.getpublish().

**5.110.3.5 String xtremweb.core.obj.dc.Locator.ref [private]**

Definition at line 40 of file Locator.java.

Referenced by `xtremweb.core.obj.dc.Locator.getref()`.

**5.110.3.6 String `xtremweb.core.obj.dc.Locator.uid` [private]**

Definition at line 28 of file `Locator.java`.

Referenced by `xtremweb.core.obj.dc.Locator.getuid()`.

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

- `/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/obj/dc/Locator.java`

## 5.111 xtremweb.serv.dc.LocatorUtil Class Reference

### Public Member Functions

- [LocatorUtil \(\)](#)

### Static Public Member Functions

- static [Locator localLocator \(Data data, File file\)](#)

#### 5.111.1 Detailed Description

[LocatorUtil](#) implements utility methods around the Locator Class

Created: Wed Feb 28 17:15:47 2007

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 16 of file LocatorUtil.java.

#### 5.111.2 Constructor & Destructor Documentation

##### 5.111.2.1 xtremweb.serv.dc.LocatorUtil.LocatorUtil ()

Creates a new [LocatorUtil](#) instance.

Definition at line 22 of file LocatorUtil.java.

#### 5.111.3 Member Function Documentation

##### 5.111.3.1 static Locator xtremweb.serv.dc.LocatorUtil.localLocator (Data *data*, File *file*) [static]

`localLocator` returns a Locator constructed from the definition of a File and a Data. The File is assumed to be local.

##### Parameters:

*data* a Data value  
*file* a File value

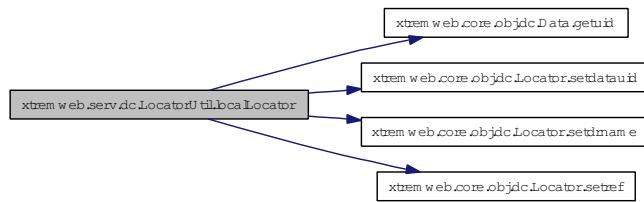
##### Returns:

a Locator value

Definition at line 35 of file LocatorUtil.java.

References `xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.core.obj.dc.Locator.setdatauid()`, `xtremweb.core.obj.dc.Locator.setdrname()`, and `xtremweb.core.obj.dc.Locator.setref()`.

Here is the call graph for this function:



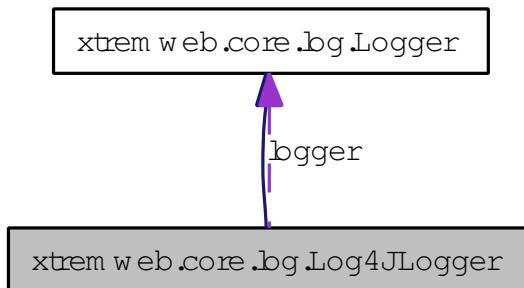
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitmew/trunk-1/src/xtremweb/serv/dc/[LocatorUtil.java](#)

## 5.112 xtremweb.core.log.Log4JLogger Class Reference

Inherits [xtremweb::core::log::Logger](#).

Collaboration diagram for xtremweb.core.log.Log4JLogger:



### Public Member Functions

- [Log4JLogger \(\)](#)
- [Log4JLogger \(String module\)](#)
- void [init \(String module\)](#)
- void [info \(String msg\)](#)
- void [warn \(String msg\)](#)
- void [debug \(String msg\)](#)
- void [fatal \(String msg\)](#)
- void [setLevel \(String level\)](#)

### Static Public Member Functions

- static void [setProperties \(String propertiesFileName\) throws LoggerException](#)
- static [xtremweb.core.log.Logger getLogger \(String module\)](#)

### Package Attributes

- org.apache.log4j.Logger [logger](#)

#### 5.112.1 Detailed Description

Describe class [Log4JLogger](#) here.

Created: Tue Jul 17 13:07:00 2007

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 16 of file Log4JLogger.java.

## 5.112.2 Constructor & Destructor Documentation

### 5.112.2.1 xtremweb.core.log.Log4JLogger.Log4JLogger ()

Creates a new [Log4JLogger](#) instance.

Definition at line 24 of file Log4JLogger.java.

References xtremweb.core.log.Logger.Logger(), and xtremweb.core.log.Log4JLogger.logger.

Referenced by xtremweb.core.log.Log4JLogger.getLogger().

Here is the call graph for this function:

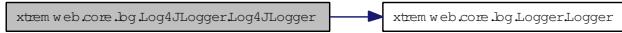


### 5.112.2.2 xtremweb.core.log.Log4JLogger.Log4JLogger (String module)

Definition at line 28 of file Log4JLogger.java.

References xtremweb.core.log.Logger.\_module, xtremweb.core.log.Logger.Logger(), and xtremweb.core.log.Log4JLogger.logger.

Here is the call graph for this function:



## 5.112.3 Member Function Documentation

### 5.112.3.1 void xtremweb.core.log.Log4JLogger.debug (String msg)

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 47 of file Log4JLogger.java.

References xtremweb.core.log.Logger.debug(), and xtremweb.core.log.Log4JLogger.logger.

Here is the call graph for this function:



### 5.112.3.2 void xtremweb.core.log.Log4JLogger.fatal (String msg)

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 51 of file Log4JLogger.java.

References xtremweb.core.log.Logger.fatal(), and xtremweb.core.log.Log4JLogger.logger.

Here is the call graph for this function:



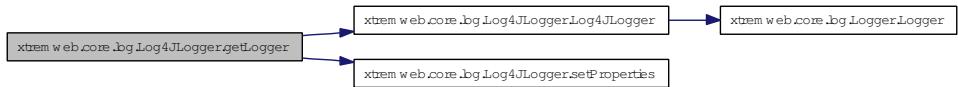
### 5.112.3.3 static xtremweb.core.log.Logger xtremweb.core.log.Log4JLogger.getLogger (String module) [static]

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 75 of file Log4JLogger.java.

References `xtremweb.core.log.Log4JLogger.Log4JLogger()`, and `xtremweb.core.log.Log4JLogger.setProperties()`.

Here is the call graph for this function:



### 5.112.3.4 void xtremweb.core.log.Log4JLogger.info (String msg)

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 39 of file Log4JLogger.java.

References `xtremweb.core.log.Logger.info()`, and `xtremweb.core.log.Log4JLogger.logger`.

Here is the call graph for this function:



### 5.112.3.5 void xtremweb.core.log.Log4JLogger.init (String module)

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 34 of file Log4JLogger.java.

References `xtremweb.core.log.Logger._module`.

### 5.112.3.6 void xtremweb.core.log.Log4JLogger.setLevel (String level) [virtual]

Implements [xtremweb.core.log.Logger](#).

Definition at line 85 of file Log4JLogger.java.

References `xtremweb.core.log.Log4JLogger.logger`, and `xtremweb.core.log.Logger.setLevel()`.

Here is the call graph for this function:



**5.112.3.7 static void xtremweb.core.log.Log4JLogger.setProperties (String *propertiesFileName*) throws LoggerException [static]**

Definition at line 57 of file Log4JLogger.java.

Referenced by xtremweb.core.log.Log4JLogger.getLogger().

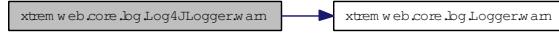
**5.112.3.8 void xtremweb.core.log.Log4JLogger.warn (String *msg*)**

Reimplemented from [xtremweb.core.log.Logger](#).

Definition at line 43 of file Log4JLogger.java.

References xtremweb.core.log.Log4JLogger.logger, and xtremweb.core.log.Logger.warn().

Here is the call graph for this function:



## 5.112.4 Member Data Documentation

**5.112.4.1 org.apache.log4j.Logger xtremweb.core.log.Log4JLogger.logger [package]**

Definition at line 18 of file Log4JLogger.java.

Referenced by xtremweb.core.log.Log4JLogger.debug(), xtremweb.core.log.Log4JLogger.fatal(), xtremweb.core.log.Log4JLogger.info(), xtremweb.core.log.Log4JLogger.LogWarning(), xtremweb.core.log.Log4JLogger.setLevel(), and xtremweb.core.log.Log4JLogger.warn().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/log/[Log4JLogger.java](#)

## 5.113 xtremweb.core.log.Logger Class Reference

Inherited by [xtremweb.core.log.DefaultLogger](#), and [xtremweb.core.log.Log4JLogger](#).

### Public Member Functions

- [Logger \(\)](#)
- [Logger \(String module\)](#)
- void [init \(String module\)](#)
- void [info \(String msg\)](#)
- void [warn \(String msg\)](#)
- void [debug \(String msg\)](#)
- void [fatal \(String msg\)](#)
- abstract void [setLevel \(String level\)](#)

### Static Public Member Functions

- static [Logger getLogger \(String module\)](#)

### Protected Attributes

- String [\\_module = ""](#)

### 5.113.1 Detailed Description

[Logger.java](#)

Created: Thu Mar 10 11:11:52 2005

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 15 of file [Logger.java](#).

### 5.113.2 Constructor & Destructor Documentation

#### 5.113.2.1 xtremweb.core.log.Logger.Logger ()

Definition at line 19 of file [Logger.java](#).

Referenced by [xtremweb.core.log.Log4JLogger.Log4JLogger\(\)](#).

#### 5.113.2.2 xtremweb.core.log.Logger.Logger (String *module*)

Definition at line 22 of file [Logger.java](#).

References [xtremweb.core.log.Logger.\\_module](#).

### 5.113.3 Member Function Documentation

#### 5.113.3.1 void xtremweb.core.log.Logger.debug (String *msg*)

Reimplemented in [xtremweb.core.log.DefaultLogger](#), and [xtremweb.core.log.Log4JLogger](#).

Definition at line 40 of file Logger.java.

References xtremweb.core.log.Logger.\_module.

Referenced by xtremweb.serv.dt.Callbackdt.abortTransfer(), xtremweb.core.perf.PerfMonitor.addSample(), xtremweb.serv.dt.bittorrent.BtpdConnector.addTorrent(), xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.serv.ds.Callbackds.associateAttribute(), xtremweb.role.bench.Bench.benchPingPong(), xtremweb.serv.dt.bittorrent.BittorrentConnector(), xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ipb.ipbTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide(), xtremweb.serv.dt.ipb.ipbTransfer.blockingSendSenderSide(), xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide(), xtremweb.role.examples.Broadcast.Broadcast(), xtremweb.role.bench.DDCBroadCastBench.BroadCastBenchGetData(), xtremweb.role.ui.DataBaseServlet.browse(), xtremweb.serv.dr.Callbackdr.Callbackdr(), xtremweb.serv.dt.Callbackdt.Callbackdt(), xtremweb.core.poxwo.Callbackpoxwo.Callbackpoxwo(), xtremweb.api.activedata.ActiveData.checkData(), xtremweb.api.transman.TransferManager.checkTransfer(), xtremweb.role.examples.AllToAll.CollectiveData.CollectiveData(), xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), xtremweb.core.conf.ConfigurationProperties.ConfigurationProperties(), xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast(), xtremweb.serv.dt.ipb.ipbTransfer.connect(), xtremweb.serv.dt.http.HttpTransfer.connect(), xtremweb.serv.dt.ftp.FtpTransfer.connect(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.connect(), xtremweb.api.bitdew.BitDew.createData(), xtremweb.core.com.idl.ComWorld.createInstance(), xtremweb.api.bitdew.BitDew.createLocator(), xtremweb.serv.dt.OOBTransferFactory.createOOBTransfer(), xtremweb.core.perf.PerfMonitorFactory.createPerfMonitor(), xtremweb.api.transman.TransferManager.createTransfer(), xtremweb.role.ui.UIFactory.createUIFactory(), xtremweb.core.db.DBInterfaceFactory.DBInterfaceFactory(), xtremweb.api.bitdew.BitDew.ddcPublish(), xtremweb.api.bitdew.BitDew.ddcSearch(), xtremweb.core.log.Log4JLogger.debug(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.disconnect(), xtremweb.role.ui.DataBaseServlet.doGet(), xtremweb.core.http.UploadServlet.doGet(), xtremweb.core.http.UploadServlet.doPost(), xtremweb.api.transman.TransferManager.downloadComplete(), xtremweb.serv.bench.Callbackbench.endExperience(), xtremweb.serv.dt.Callbackdt.endTransfer(), xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), xtremweb.api.activedata.ActiveData.fixoob(), xtremweb.core.exec.Executor.flushPipe(), xtremweb.api.bitdew.BitDew.get(), xtremweb.core.com.idl.ComWorld.getComm(), xtremweb.serv.dc.Callbackdc.getDDCEntryPoint(), xtremweb.serv.dc.Callbackdc.getLocatorByDataUID(), xtremweb.api.transman.TransferManager.getOOBTransfer(), xtremweb.serv.dr.Callbackdr.getProtocolByUID(), xtremweb.serv.dt.http.HttpTransfer.init(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.init(), xtremweb.core.http.HttpServer.init(), xtremweb.core.com.idl.ModuleLoader.initHandlers(), xtremweb.api.transman.TransferManager.isTransferComplete(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.role.blast.Worker.main(), xtremweb.role.blast.Master.main(), xtremweb.serv.bench.DDCBroadCastBench.main(), xtremweb.role.bench.DDCBench.main(), xtremweb.role.bench.BenchBench.main(), xtremweb.role.bench.BenchBroadCastMaster.main(), xtremweb.role.p2p.P2P.mainLoop(), xtremweb.serv.dt.bittorrent.BittorrentTools.makeTorrent(), xtremweb.role.mw.Master2.Master2(), xtremweb.serv.dt.nio.NioTransfer.nonBlockingReceiveReceiverSide(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceiverSide(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingSendSenderSide(), xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(), xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl(), xtremweb.role.cmdline.CommandLineTool.parse(), xtremweb.serv.ds.AttributeUtil.parseAttribute(), xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.api.activedata.ActiveData.pin(), xtremweb.serv.dt.OOBTransferImpl.poolTransfer(), xtremweb.serv.dt.dummy.DummyTransfer.poolTransfer(), xtremweb.serv.dt.Callbackdt.poolTransfer(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories(),

```

xtremweb.role.examples.PublishSearch.PublishSearch(),           xtremweb.api.bitdew.BitDew.put(),
xtremweb.api.bitdew.BitDew.putData(),                         xtremweb.serv.dc.Callbackdc.putLocator(),
xtremweb.api.bitdew.BitDew.putLocator(),                      xtremweb.serv.bench.CallbackBroadCastBench.register(),
xtremweb.serv.bench.Callbackbench.register(),                 xtremweb.api.activedata.ActiveData.registerAttribute(),
xtremweb.serv.dt.Callbackdt.registerTransfer(),               xtremweb.serv.dt.TransferThread.run(),
xtremweb.role.blast.Worker.RunApplication(),                xtremweb.api.activedata.ActiveData.schedule(),
xtremweb.api.activedata.ActiveData.scheduleAndPin(),         xtremweb.api.bitdew.BitDew.searchDataByUid(),
xtremweb.serv.dt.bittorrent.BittorrentConnector.sendmsg(), xtremweb.serv.dt.bittorrent.AzureusConnector.sendMsg(),
xtremweb.serv.dt.Callbackdt.setTransferStatus(),             xtremweb.api.activedata.test.ActiveDataTest.setUp(),
xtremweb.core.exec.Executor.start(),                         xtremweb.api.transman.TransferManager.start(),
xtremweb.api.activedata.ActiveData.start(),                  xtremweb.serv.dt.bittorrent.AzureusCore.startAzureusCore(),
xtremweb.serv.dt.bittorrent.BittorrentTools.startBittorrentTracker(), xtremweb.serv.dt.bittorrent.BtpdCore.startCore(),
xtremweb.serv.dt.Callbackdt.startTransfer(),                 xtremweb.core.exec.Executor.stop(),
xtremweb.api.transman.TransferManager.stop(),               xtremweb.api.activedata.ActiveData.stop(),
xtremweb.serv.ds.Callbackds.sync(),                          xtremweb.core.util.test.SortedVectorTest.testAddDifferent(),
xtremweb.core.util.test.SortedVectorTest.testAddSimilar(),  xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCac
xtremweb.serv.ds.test.CacheEntryTest.testLastAlive(),       xtremweb.core.util.test.SortedVectorTest.testRemove(),
xtremweb.api.activedata.ActiveData.unschedule(),            xtremweb.role.blast.Worker.UnzipFile(),
xtremweb.serv.dt.TransferThread.waitFor(),                  xtremweb.api.transman.TransferManager.waitFor(),
xtremweb.api.transman.TransferManager.waitForAllData(),    and xtremweb.role.mw.Worker2.Worker2().

```

### 5.113.3.2 void `xtremweb.core.log.Logger.fatal (String msg)`

Reimplemented in [xtremweb.core.log.DefaultLogger](#), and [xtremweb.core.log.Log4JLogger](#).

Definition at line 44 of file `Logger.java`.

References `xtremweb.core.log.Logger._module`.

Referenced by `xtremweb.core.serv.ServiceLoader.addSubCallback()`, `xtremweb.role.examples.AllToAll.AllToAll()`,  
`xtremweb.role.bench.Bench.benchPingPong()`, `xtremweb.role.examples.Broadcast.Broadcast()`,  
`xtremweb.role.examples.AllToAll.createFic()`, `xtremweb.role.bench.BenchBroadCastMaster.createFile()`,  
`xtremweb.role.bench.Bench.createFile()`, `xtremweb.serv.bench.CallbackBroadCastBench.endExperience()`,  
`xtremweb.serv.bench.Callbackbench.endExperience()`, `xtremweb.core.log.Log4JLogger.fatal()`,  
`xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench()`, `xtremweb.core.com.idl.ModuleLoader.initHandlers()`,  
`xtremweb.role.p2p.P2P.mainLoop()`, `xtremweb.role.p2p.P2P.P2P()`, `xtremweb.role.examples.PublishSearch.PublishSearch()`,  
`xtremweb.role.examples.PutGet.put()`, `xtremweb.core.serv.ServiceLoader.ServiceLoader()`,  
`xtremweb.serv.bench.Callbackbench.startExperience()`, `xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadc`  
`xtremweb.role.bench.DDCBroadCastBench.verifyFile()`, `xtremweb.role.bench.Bench.verifyFile()`,  
`xtremweb.serv.dt.TransferThread.waitFor()`, `xtremweb.serv.bench.CallbackBroadCastBench.writeResults()`,  
and `xtremweb.serv.bench.Callbackbench.writeResults()`.

### 5.113.3.3 static Logger `xtremweb.core.log.Logger.getLogger (String module)` [static]

Reimplemented in [xtremweb.core.log.DefaultLogger](#), and [xtremweb.core.log.Log4JLogger](#).

Definition at line 52 of file `Logger.java`.

Referenced by `xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast()`,  
`xtremweb.core.log.test.LoggerFactoryTest.getLogger()`, `xtremweb.core.log.test.LoggerFactoryTest.getLoggerClass()`,  
and `xtremweb.api.transman.test.TransferManagerTest.main()`.

**5.113.3.4 void xtremweb.core.log.Logger.info (String *msg*)**

Reimplemented in [xtremweb.core.log.DefaultLogger](#), and [xtremweb.core.log.Log4JLogger](#).

Definition at line 32 of file Logger.java.

References [xtremweb.core.log.Logger.\\_module](#).

Referenced by [xtremweb.core.com.idl.ModuleLoader.addCallback\(\)](#), [xtremweb.core.com.idl.ModuleLoader.addHandler\(\)](#), [xtremweb.core.serv.ServiceLoader.addSubCallback\(\)](#), [xtremweb.core.com.idl.ModuleLoader.addSubCallback\(\)](#), [xtremweb.role.examples.AllToAll.AllToAll\(\)](#), [xtrmweb.role.bench.Bench.benchPingPong\(\)](#), [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide\(\)](#), [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendSenderSide\(\)](#), [xtremweb.role.examples.Broadcast.Broadcast\(\)](#), [xtrmweb.serv.dc.Callbackdc.Callbackdc\(\)](#), [xtremweb.serv.dr.Callbackdr.Callbackdr\(\)](#), [xtremweb.role.cmdline.CommandLineToolCommandLineTool\(\)](#), [xtremweb.core.conf.ConfigurationProperties.ConfigurationProperties\(\)](#), [xtremweb.serv.bench.Callbackbench.configure\(\)](#), [xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast\(\)](#), [xtremweb.serv.dt.amazonS3.AmazonS3Transfer.connect\(\)](#), [xtremweb.serv.bench.CallbackBroadCastBench.endExperience\(\)](#), [xtremweb.serv.bench.Callbackbench.endExperience\(\)](#), [xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench\(\)](#), [xtremweb.role.examples.PutGet.get\(\)](#), [xtremweb.core.log.test.LoggerFactoryTest.getLogger\(\)](#), [xtremweb.core.log.test.LoggerFactoryTest.getLoggerClass\(\)](#), [xtremweb.serv.bench.CallbackBroadCastBench.getValues\(\)](#), [xtremweb.serv.bench.Callbackbench.getValues\(\)](#), [xtremweb.role.examples.HelloWorld.HelloWorld\(\)](#), [xtrmweb.core.log.Log4JLogger.info\(\)](#), [xtremweb.core.http.HttpServer.init\(\)](#), [xtrmweb.api.bitdew.BitDew.init\(\)](#), [xtremweb.core.log.Usage.In\(\)](#), [xtremweb.role.blast.Worker.main\(\)](#), [xtrmweb.role.bench.DDCBroadCastBench.main\(\)](#), [xtremweb.api.transman.test.TransferManagerTest.main\(\)](#), [xtrmweb.role.p2p.P2P.mainLoop\(\)](#), [xtremweb.role.examples.PingPong.PongCallback.onDataDeleted\(\)](#), [xtremweb.role.examples.PingPong.PingCallback.onDataDeleted\(\)](#), [xtremweb.role.examples.PingPong.PongCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.PingPong.PingCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.FaultToleranceBench.BroadcastCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled\(\)](#), [xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled\(\)](#), [xtremweb.core.log.Usage.option\(\)](#), [xtrmweb.role.p2p.P2P.P2P\(\)](#), [xtremweb.role.examples.PingPong.Ping\(\)](#), [xtremweb.serv.ds.test.DataSchedulerTest.print\(\)](#), [xtremweb.role.examples.PublishSearch.PublishSearch\(\)](#), [xtremweb.role.examples.PutGet.put\(\)](#), [xtrmweb.core.log.Usage.section\(\)](#), [xtremweb.core.serv.ServiceLoader.ServiceLoader\(\)](#), [xtrmweb.api.transman.test.TransferManagerTest.start\(\)](#), [xtremweb.api.activedata.test.ActiveDataTest.start\(\)](#), [xtremweb.serv.bench.Callbackbench.startExperience\(\)](#), [xtremweb.serv.bench.CallbackBroadCastBench.startExperienceBroadcast\(\)](#), [xtremweb.core.log.Usage.title\(\)](#), [xtrmweb.core.log.Usage.usage\(\)](#), and [xtremweb.role.bench.Bench.warmup\(\)](#).

**5.113.3.5 void xtremweb.core.log.Logger.init (String *module*)**

Reimplemented in [xtremweb.core.log.DefaultLogger](#), and [xtremweb.core.log.Log4JLogger](#).

Definition at line 27 of file Logger.java.

References [xtremweb.core.log.Logger.\\_module](#).

Referenced by [xtremweb.core.log.LoggerFactory.getLogger\(\)](#).

**5.113.3.6 abstract void xtremweb.core.log.Logger.setLevel (String *level*) [pure virtual]**

Implemented in [xtremweb.core.log.DefaultLogger](#), and [xtremweb.core.log.Log4JLogger](#).

Referenced by [xtremweb.role.cmdline.CommandLineToolCommandLineTool\(\)](#), and [xtremweb.core.log.Log4JLogger.setLevel\(\)](#).

### 5.113.3.7 void xtremweb.core.log.Logger.warn (String msg)

Reimplemented in [xtremweb.core.log.DefaultLogger](#), and [xtremweb.core.log.Log4JLogger](#).

Definition at line 36 of file Logger.java.

References [xtremweb.core.log.Logger.\\_module](#).

Referenced by  
 xtremweb.serv.dt.bittorrent.AzureusCore.AzureusCore(),  
 xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.bittorrent.BtpdConnector.BtpdConnector(),  
 xtremweb.serv.dt.bittorrent.BtpdCore.BtpdCore(), xtremweb.serv.dc.Callbackdc.Callbackdc(),  
 xtremweb.serv.dr.Callbackdr.Callbackdr(), xtremweb.serv.dt.Callbackdt.Callbackdt(),  
 xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), xtremweb.core.com.idl.ModuleLoader.createInstance(),  
 xtremweb.role.ui.UIFactory.createUIFactory(), xtremweb.core.com.idl.ComWorld.getComm(),  
 xtremweb.serv.dc.ddc.DistributedDataCatalogFactory.getDistributedDataCatalog(),  
 xtremweb.core.http.HttpServer.HttpServer(), xtremweb.serv.dt.http.HttpTransfer.init(),  
 xtremweb.serv.dt.dummy.DummyTransfer.init(), xtremweb.serv.dt.bittorrent.BittorrentTools.init(),  
 xtremweb.role.blast.Worker.init(), xtremweb.api.bitdew.BitDew.init(), xtremweb.core.com.idl.ComWorld.initPort(),  
 xtremweb.role.blast.Worker.main(), xtremweb.role.bench.DDCBroadCastBench.main(),  
 xtremweb.role.bench.DDCBench.main(), xtremweb.core.com.idl.ModuleLoader.main(),  
 xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.role.mw.Master2.Master2(),  
 xtremweb.core.com.idl.ModuleLoaderException.ModuleLoaderException(),  
 xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled(),  
 xtremweb.serv.dt.bittorrent.BittorrentTransfer.prepareDirectories(), xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMo  
 xtremweb.core.log.Log4JLogger.warn(), and xtremweb.role.mw.Worker2.Worker2().

## 5.113.4 Member Data Documentation

### 5.113.4.1 String xtremweb.core.log.Logger.\_module = "" [protected]

Definition at line 17 of file Logger.java.

Referenced by  
 xtremweb.core.log.Logger.debug(), xtremweb.core.log.DefaultLogger.debug(),  
 xtremweb.core.log.DefaultLogger.DefaultLogger(), xtremweb.core.log.Logger.fatal(),  
 xtremweb.core.log.DefaultLogger.fatal(), xtremweb.core.log.Logger.info(),  
 xtremweb.core.log.DefaultLogger.info(), xtremweb.core.log.Logger.init(),  
 xtremweb.core.log.Logger.init(), xtremweb.core.log.DefaultLogger.init(),  
 xtremweb.core.log.Log4JLogger.Log4JLogger(), xtremweb.core.log.Logger.Logger(),  
 xtremweb.core.log.Logger.warn(), and xtremweb.core.log.DefaultLogger.warn().

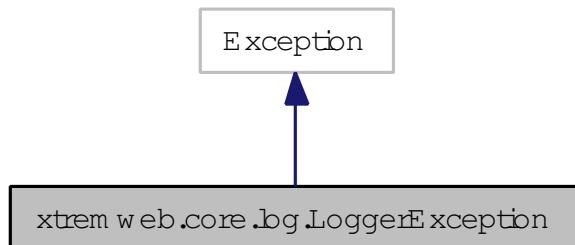
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/log/[Logger.java](#)

## 5.114 xtremweb.core.log.LoggerException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.core.log.LoggerException:



### Public Member Functions

- [LoggerException \(\)](#)
- [LoggerException \(String yo\)](#)

#### 5.114.1 Detailed Description

[LoggerException.java](#)

Created: Mon Apr 3 18:19:36 2006

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 16 of file [LoggerException.java](#).

#### 5.114.2 Constructor & Destructor Documentation

##### 5.114.2.1 xtremweb.core.log.LoggerException.LoggerException ()

Definition at line 18 of file [LoggerException.java](#).

##### 5.114.2.2 xtremweb.core.log.LoggerException.LoggerException (String yo)

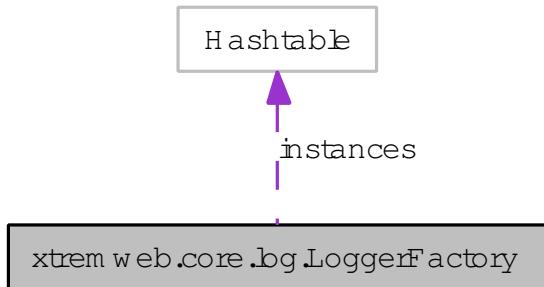
Definition at line 22 of file [LoggerException.java](#).

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/log/[LoggerException.java](#)

## 5.115 xtremweb.core.log.LoggerFactory Class Reference

Collaboration diagram for xtremweb.core.log.LoggerFactory:



### Static Public Member Functions

- static [Logger getLogger](#) (Class clazz)
- static [Logger getLogger](#) (String name)

### Static Public Attributes

- static final String [LOG\\_PROPERTY](#)

### Static Protected Member Functions

- static String [getLogClassName](#) ()

### Static Protected Attributes

- static Hashtable [instances](#) = new Hashtable()

### Static Package Functions

- [\[static initializer\]](#)

### Static Private Attributes

- static String [logClassName](#)
- static boolean [debug](#) = false

#### 5.115.1 Detailed Description

[LoggerFactory.java](#)

Created: Sun Apr 2 11:24:56 2006

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 14 of file LoggerFactory.java.

## 5.115.2 Member Function Documentation

**5.115.2.1 xtremweb.core.log.LoggerFactory.[static initializer] () [static, package]**

**5.115.2.2 static String xtremweb.core.log.LoggerFactory.getLogClassName () [static, protected]**

Return the fully qualified Java classname of the [Log](#) implementation we will be using.

Definition at line 46 of file LoggerFactory.java.

References xtremweb.core.log.LoggerFactory.LOG\_PROPERTY, and xtremweb.core.log.LoggerFactory.logClassName.

**5.115.2.3 static Logger xtremweb.core.log.LoggerFactory.getLogger (String name) [static]**

Construct (if necessary) and return a [Logger](#) instance, using the factory's current set of configuration attributes.

**Parameters:**

*name* Logical name of the [Log](#) instance to be returned (the meaning of this name is only known to the underlying logging implementation that is being wrapped)

Definition at line 118 of file LoggerFactory.java.

References xtremweb.core.log.Logger.init(), xtremweb.core.log.LoggerFactory.instances, and xtremweb.core.log.LoggerFactory.logClassName.

Here is the call graph for this function:



**5.115.2.4 static Logger xtremweb.core.log.LoggerFactory.getLogger (Class clazz) [static]**

Convenience method to return a named logger, without the application having to care about factories.

**Parameters:**

*clazz* Class from which a [log](#) name will be derived

**Exceptions:**

[\*LogConfigurationException\*](#) if a suitable [Log](#) instance cannot be returned

Definition at line 104 of file LoggerFactory.java.

### 5.115.3 Member Data Documentation

#### 5.115.3.1 boolean xtremweb.core.log.LoggerFactory.debug = false [static, private]

Definition at line 33 of file LoggerFactory.java.

#### 5.115.3.2 Hashtable xtremweb.core.log.LoggerFactory.instances = new Hashtable() [static, protected]

The instances that have already been created, keyed by logger name.

Definition at line 27 of file LoggerFactory.java.

Referenced by xtremweb.core.log.LoggerFactory.getLogger().

#### 5.115.3.3 final String xtremweb.core.log.LoggerFactory.LOG\_PROPERTY [static]

##### Initial value:

```
"xtremweb.core.log.Logger"
```

The name of the system property identifying our [Log](#) implementation class.

Definition at line 20 of file LoggerFactory.java.

Referenced by xtremweb.core.log.LoggerFactory.getLogClassName().

#### 5.115.3.4 String xtremweb.core.log.LoggerFactory.logClassName [static, private]

Name of the class implementing the Log interface.

Definition at line 32 of file LoggerFactory.java.

Referenced by xtremweb.core.log.LoggerFactory.getLogClassName(), and  
xtremweb.core.log.LoggerFactory.getLogger().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/log/[LoggerFactory.java](#)

## 5.116 xtremweb.core.log.test.LoggerFactoryTest Class Reference

### Public Member Functions

- void [getLoggerClass\(\)](#)
- void [getLogger\(\)](#)

#### 5.116.1 Detailed Description

Definition at line 10 of file LoggerFactoryTest.java.

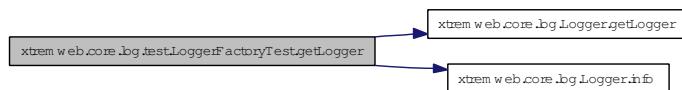
#### 5.116.2 Member Function Documentation

##### 5.116.2.1 void xtremweb.core.log.test.LoggerFactoryTest.getLogger()

Definition at line 22 of file LoggerFactoryTest.java.

References `xtremweb.core.log.Logger.getLogger()`, and `xtremweb.core.log.Logger.info()`.

Here is the call graph for this function:



##### 5.116.2.2 void xtremweb.core.log.test.LoggerFactoryTest.getLoggerClass()

Definition at line 12 of file LoggerFactoryTest.java.

References `xtremweb.core.log.Logger.getLogger()`, and `xtremweb.core.log.Logger.info()`.

Here is the call graph for this function:



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

- [/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/log/test/LoggerFactoryTest.java](#)

## 5.117 xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload Class Reference

### Public Member Functions

- [LogisticalDownload \(\)](#)
- void [download \(String xndfile, String outputfilename, int connections\)](#)

### Static Public Member Functions

- static void [usage \(\)](#)
- static void [main \(String\[ \] args\)](#)

### Public Attributes

- Exnode [exnode](#) = null

### Package Attributes

- int [transferSize](#) = -1

### Static Package Attributes

- static final String [VERSION](#) = "0.01a"
- static final int [DFLT\\_CONNECTIONS](#) = 1

### 5.117.1 Detailed Description

Definition at line 14 of file LogisticalDownload.java.

### 5.117.2 Constructor & Destructor Documentation

#### 5.117.2.1 xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.LogisticalDownload ()

Definition at line 24 of file LogisticalDownload.java.

Referenced by [xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.main\(\)](#).

### 5.117.3 Member Function Documentation

#### 5.117.3.1 void xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.download (String *xndfile*, String *outputfilename*, int *connections*)

Definition at line 27 of file LogisticalDownload.java.

References [xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.exnode](#), and [xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.transferSize](#).

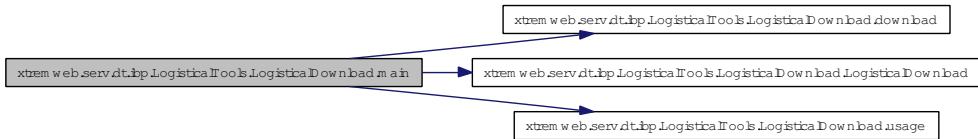
Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingReceiveReceiverSide(), and xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.main().

#### 5.117.3.2 static void xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.main (String[ ] args) [static]

Definition at line 82 of file LogisticalDownload.java.

References xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.DFLT\_CONNECTIONS, xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.download(), xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.LogisticalDownload(), and xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.usage().

Here is the call graph for this function:



#### 5.117.3.3 static void xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.usage () [static]

Definition at line 66 of file LogisticalDownload.java.

References xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.VERSION.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.main().

### 5.117.4 Member Data Documentation

#### 5.117.4.1 final int xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.DFLT\_CONNECTIONS = 1 [static, package]

Definition at line 18 of file LogisticalDownload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.main().

#### 5.117.4.2 Exnode xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.exnode = null

Definition at line 22 of file LogisticalDownload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.download().

#### 5.117.4.3 int xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.transferSize = -1 [package]

Definition at line 20 of file LogisticalDownload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.download().

**5.117.4.4 final String xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.VERSION = "0.01a" [static, package]**

Definition at line 16 of file LogisticalDownload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalDownload.usage().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/ibp/LogisticalTools/LogisticalDownload.java

## 5.118 xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload Class Reference

### Public Member Functions

- [LogisticalUpload \(\)](#)
- void [fill\\_LBoneServerList](#) (String Lbone, int Port)
- void [upload](#) (File inputfile, String outputfilename, int copies, int maxDepots, int duration, int transferSize, int connections, String location)

### Static Public Member Functions

- static void [usage \(\)](#)
- static void [main](#) (String[ ] args)

### Public Attributes

- Exnode [exnode](#) = null

### Package Attributes

- String [homeDirectory](#)

### Static Package Attributes

- static final String [VERSION](#) = "0.01a"
- static final String [LBONE\\_SERVER\\_LIST](#)
- static final int [DFLT\\_COPIES](#) = 1
- static final int [DFLT\\_MAX\\_DEPOTS](#) = 10
- static final int [DFLT\\_DURATION](#) = 60\*60\*24
- static final int [DFLT\\_TRANSFERSIZE](#) = 512 \* 1024
- static final int [DFLT\\_CONNECTIONS](#) = 1
- static final String [DFLT\\_LOCATION](#) = "state= TN"
- static final int [LBONE\\_SERVER\\_NBMAX](#) = 10

### Private Member Functions

- String [cleanName](#) (String name)

### Private Attributes

- LboneServer [servers](#) [ ]
- String [user](#)
- String [pass](#)

## Static Private Attributes

- static int **VERBOSE** = 1

### 5.118.1 Detailed Description

Definition at line 13 of file LogisticalUpload.java.

### 5.118.2 Constructor & Destructor Documentation

#### 5.118.2.1 **xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.LogisticalUpload ()**

Definition at line 43 of file LogisticalUpload.java.

Referenced by `xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main()`.

### 5.118.3 Member Function Documentation

#### 5.118.3.1 **String xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.cleanName (String name) [private]**

Definition at line 47 of file LogisticalUpload.java.

#### 5.118.3.2 **void xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.fill\_LBoneServerList (String Lbone, int Port)**

Definition at line 61 of file LogisticalUpload.java.

References `xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.LBONE_SERVER_LIST`, `xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.LBONE_SERVER_NBMAX`, and `xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.servers`.

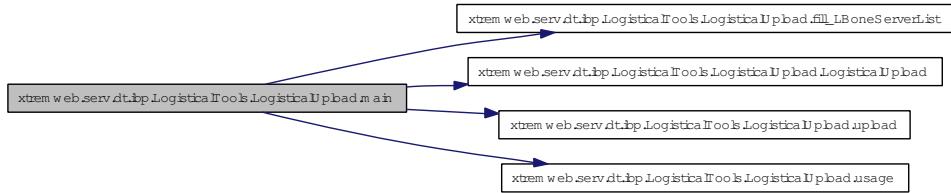
Referenced by `xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide()`, and `xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main()`.

#### 5.118.3.3 **static void xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main (String[ ] args) [static]**

Definition at line 228 of file LogisticalUpload.java.

References	<code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT_CONNECTIONS</code> ,
	<code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT_COPIES</code> ,
	<code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT_DURATION</code> ,
	<code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT_LOCATION</code> ,
	<code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT_MAX_DEPOTS</code> ,
	<code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT_TRANSFERSIZE</code> ,
	<code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.fill_LBoneServerList()</code> ,
	<code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.LogisticalUpload()</code> ,
	<code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.upload()</code> , <code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.usage()</code> and <code>xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.VERBOSE</code> .

Here is the call graph for this function:



### 5.118.3.4 void xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.upload (File *infile*, String *outputfilename*, int *copies*, int *maxDepots*, int *duration*, int *transferSize*, int *connections*, String *location*)

Definition at line 82 of file LogisticalUpload.java.

References xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.exnode, xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.servers, and xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.VERSION. Referenced by xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide(), and xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main().

### 5.118.3.5 static void xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.usage () [static]

Definition at line 207 of file LogisticalUpload.java.

References xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.VERSION.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main().

## 5.118.4 Member Data Documentation

### 5.118.4.1 final int xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT\_CONNECTIONS = 1 [static, package]

Definition at line 28 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main().

### 5.118.4.2 final int xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT\_COPIES = 1 [static, package]

Definition at line 24 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main().

### 5.118.4.3 final int xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT\_DURATION = 60\*60\*24 [static, package]

Definition at line 26 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main().

---

**5.118.4.4 final String xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT\_LOCATION = "state= TN"** [static, package]

Definition at line 29 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main().

**5.118.4.5 final int xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT\_MAX\_DEPOTS = 10** [static, package]

Definition at line 25 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main().

**5.118.4.6 final int xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.DFLT\_TRANSFERSIZE = 512 \* 1024** [static, package]

Definition at line 27 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main().

**5.118.4.7 Exnode xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.exnode = null**

Definition at line 37 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.upload().

**5.118.4.8 String xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.homeDirectory** [package]

Definition at line 38 of file LogisticalUpload.java.

**5.118.4.9 final String xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.LBONE\_SERVER\_LIST** [static, package]

**Initial value:**

```
"vertex.cs.utk.edu:6767 "
"acre.sinrg.cs.utk.edu:6767 "
"galapagos.cs.utk.edu:6767"
```

Definition at line 16 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.fill\_LBoneServerList().

**5.118.4.10 final int xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.LBONE\_SERVER\_NBMAX = 10** [static, package]

Definition at line 31 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.fill\_LBoneServerList().

**5.118.4.11 String xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.pass [private]**

Definition at line 40 of file LogisticalUpload.java.

**5.118.4.12 LboneServer xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.servers[] [private]**

Definition at line 35 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.fill\_LBoneServerList(), and xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.upload().

**5.118.4.13 String xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.user [private]**

Definition at line 39 of file LogisticalUpload.java.

**5.118.4.14 int xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.VERBOSE = 1 [static, private]**

Definition at line 33 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.main(), and xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.upload().

**5.118.4.15 final String xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.VERSION = "0.01a" [static, package]**

Definition at line 15 of file LogisticalUpload.java.

Referenced by xtremweb.serv.dt.ibp.LogisticalTools.LogisticalUpload.usage().

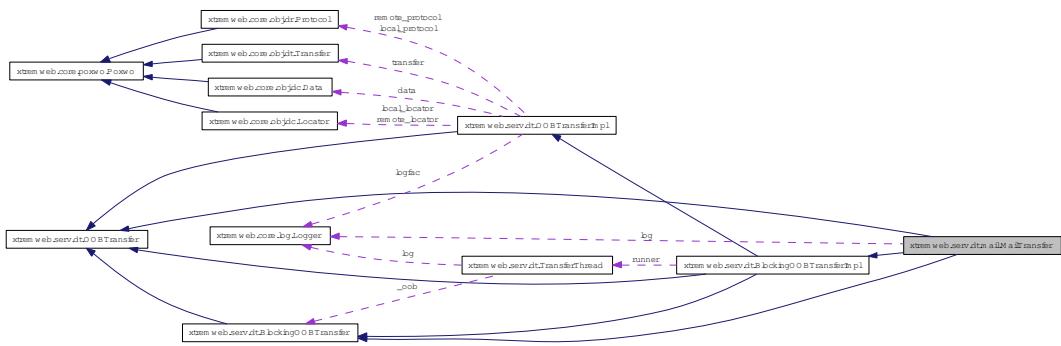
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/ibp/LogisticalTools/LogisticalUpload.java

## 5.119 xtremweb.serv.dt.mail.MailTransfer Class Reference

Inherits [xtremweb::serv::dt::BlockingOOBTransferImpl](#), [xtremweb::serv::dt::BlockingOOBTransfer](#), and [xtremweb::serv::dt::OOBTransfer](#).

Collaboration diagram for `xtremweb.serv.dt.mail.MailTransfer`:



### Public Member Functions

- `MailTransfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`
- `String toString ()`
- `void connect () throws OOBException`
- `void blockingSendSenderSide () throws OOBException`
- `void blockingSendReceiverSide () throws OOBException`
- `void blockingReceiveSenderSide () throws OOBException`
- `void blockingReceiveReceiverSide () throws OOBException`
- `void disconnect () throws OOBException`

### Static Public Member Functions

- `static void main (String[ ] args)`

### Static Protected Attributes

- `static Logger log = LoggerFactory.getLogger(MailTransfer.class)`

### Package Attributes

- `String to = "yo.superyo@gmail.com"`
- `String subjectHeader = "BitDew "`
- `String from = "admin@bitdew.com"`
- `String url = null`
- `String smtpMailhost = "smtp.gmail.com"`
- `String popMailhost = "pop.gmail.com"`
- `int popPort = 995`

- String `folderName` = "INBOX"
- String `mailer` = "smtpOOBTransfer"
- String `smtpProtocol` = "smtps"
- String `popProtocol` = "pop3s"
- String `host` = "smtp.gmail.com"
- String `user` = "yo.superyo@gmail.com"
- String `password` = "1245superyo"
- String `smtpUser` = "sender.smtpTransfer@gmail.com"
- String `smtpPassword` = "smtpPassword"
- String `record` = "Store1"
- boolean `debug` = true
- boolean `verbose` = true
- boolean `auth` = true
- boolean `ssl` = true
- String `tmpDir` = "tmp"
- Session `session`

### 5.119.1 Detailed Description

Definition at line 31 of file MailTransfer.java.

### 5.119.2 Constructor & Destructor Documentation

#### 5.119.2.1 `xtremweb.serv.dt.mail.MailTransfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`

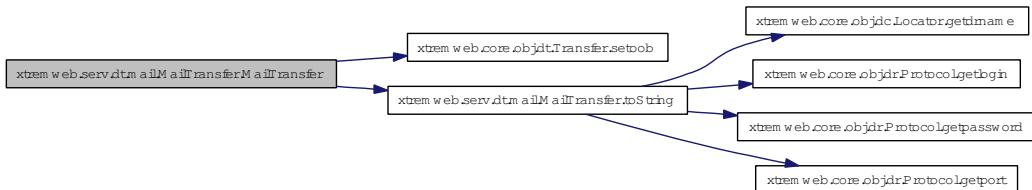
Creates a new `MailTransfer` instance.

Definition at line 66 of file MailTransfer.java.

References `xtremweb.core.obj.dt.Transfer.setoob()`, `xtremweb.serv.dt.mail.MailTransfer.toString()`, and `xtremweb.serv.dt.OOBTransferImpl.transfer`.

Referenced by `xtremweb.serv.dt.mail.MailTransfer.main()`.

Here is the call graph for this function:



### 5.119.3 Member Function Documentation

#### 5.119.3.1 `void xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide () throws OOBException`

`blockingReceiveReceiverSide` implements the blocking receive from the Receiver side

**Exceptions:**

***OOBException*** if an error occurs

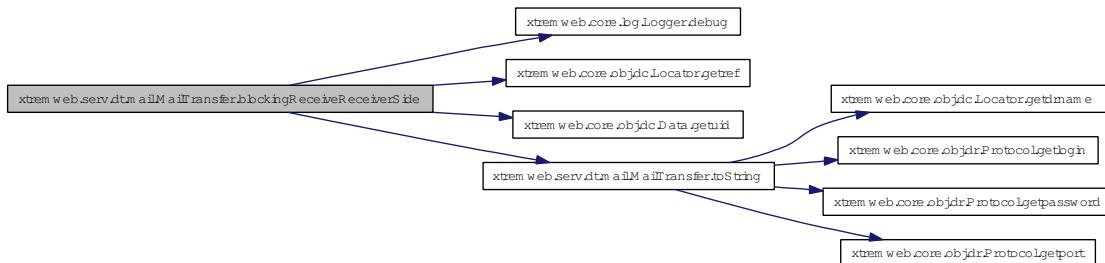
Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 140 of file MailTransfer.java.

References [xtremweb.serv.dt.OOBTransferImpl.data](#), [xtremweb.core.log.Logger.debug\(\)](#),  
[xtremweb.serv.dt.mail.MailTransfer.folderName](#), [xtremweb.core.obj.dc.Locator.getref\(\)](#),  
[xtremweb.core.obj.dc.Data.getuid\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#),  
[xtremweb.serv.dt.mail.MailTransfer.log](#), [xtremweb.serv.dt.mail.MailTransfer.password](#),  
[xtremweb.serv.dt.mail.MailTransfer.popMailhost](#), [xtremweb.serv.dt.mail.MailTransfer.popPort](#),  
[xtremweb.serv.dt.mail.MailTransfer.popProtocol](#), [xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#),  
[xtremweb.serv.dt.mail.MailTransfer.session](#), [xtremweb.serv.dt.mail.MailTransfer.subjectHeader](#),  
[xtremweb.serv.dt.mail.MailTransfer.toString\(\)](#), and [xtremweb.serv.dt.mail.MailTransfer.user](#).

Referenced by [xtremweb.serv.dt.mail.MailTransfer.main\(\)](#).

Here is the call graph for this function:



### 5.119.3.2 void [xtremweb.serv.dt.mail.MailTransfer.blockingReceiveSenderSide \(\) throws OOBException](#)

`blockingReceiveSenderSide` implements the blocking receive from the Sender side

**Exceptions:**

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 136 of file MailTransfer.java.

### 5.119.3.3 void [xtremweb.serv.dt.mail.MailTransfer.blockingSendReceiverSide \(\) throws OOBException](#)

`blockingSendReceiverSide` implements the blocking send method from the Receiver side

**Exceptions:**

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 132 of file MailTransfer.java.

### 5.119.3.4 void xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide () throws OOBException

`blockingSendSenderSide` implements the blocking Send method from the Sender side

#### Exceptions:

***OOBException*** if an error occurs

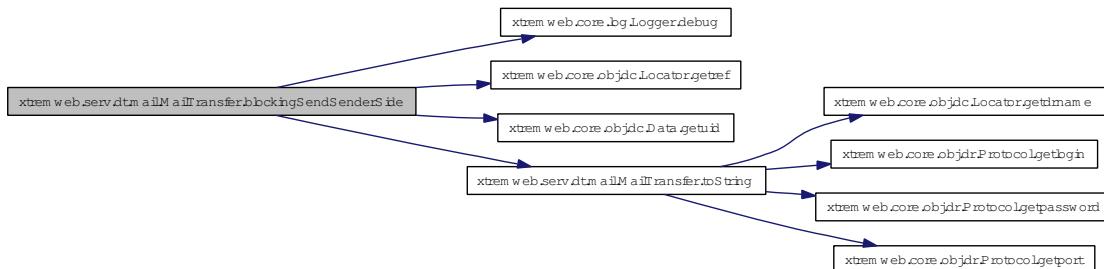
Implements [xtremweb.serv.dt.BlockingOOBTransfer](#).

Definition at line 87 of file MailTransfer.java.

References `xtremweb.serv.dt.OOBTransferImpl.data`, `xtremweb.core.log.Logger.debug()`,  
`xtremweb.serv.dt.mail.MailTransfer.from`, `xtremweb.core.obj.dc.Locator.getref()`,  
`xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.serv.dt.OOBTransferImpl.local_locator`,  
`xtremweb.serv.dt.mail.MailTransfer.log`, `xtremweb.serv.dt.OOBTransferImpl.remote_locator`,  
`xtremweb.serv.dt.mail.MailTransfer.session`, `xtremweb.serv.dt.mail.MailTransfer.smtpMailhost`,  
`xtremweb.serv.dt.mail.MailTransfer.smtpPassword`, `xtremweb.serv.dt.mail.MailTransfer.smtpProtocol`,  
`xtremweb.serv.dt.mail.MailTransfer.smtpUser`, `xtremweb.serv.dt.mail.MailTransfer.subjectHeader`,  
`xtremweb.serv.dt.mail.MailTransfer.to`, and `xtremweb.serv.dt.mail.MailTransfer.toString()`.

Referenced by `xtremweb.serv.dt.mail.MailTransfer.main()`.

Here is the call graph for this function:



### 5.119.3.5 void xtremweb.serv.dt.mail.MailTransfer.connect () throws OOBException

`connect`

#### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 75 of file MailTransfer.java.

References `xtremweb.serv.dt.mail.MailTransfer.debug`, `xtremweb.serv.dt.mail.MailTransfer.session`, and  
`xtremweb.serv.dt.mail.MailTransfer.smtpMailhost`.

Referenced by `xtremweb.serv.dt.mail.MailTransfer.main()`.

### 5.119.3.6 void xtremweb.serv.dt.mail.MailTransfer.disconnect () throws OOBException

Describe `disconnect` method here.

**Exceptions:**

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 191 of file MailTransfer.java.

Referenced by [xtremweb.serv.dt.mail.MailTransfer.main\(\)](#).

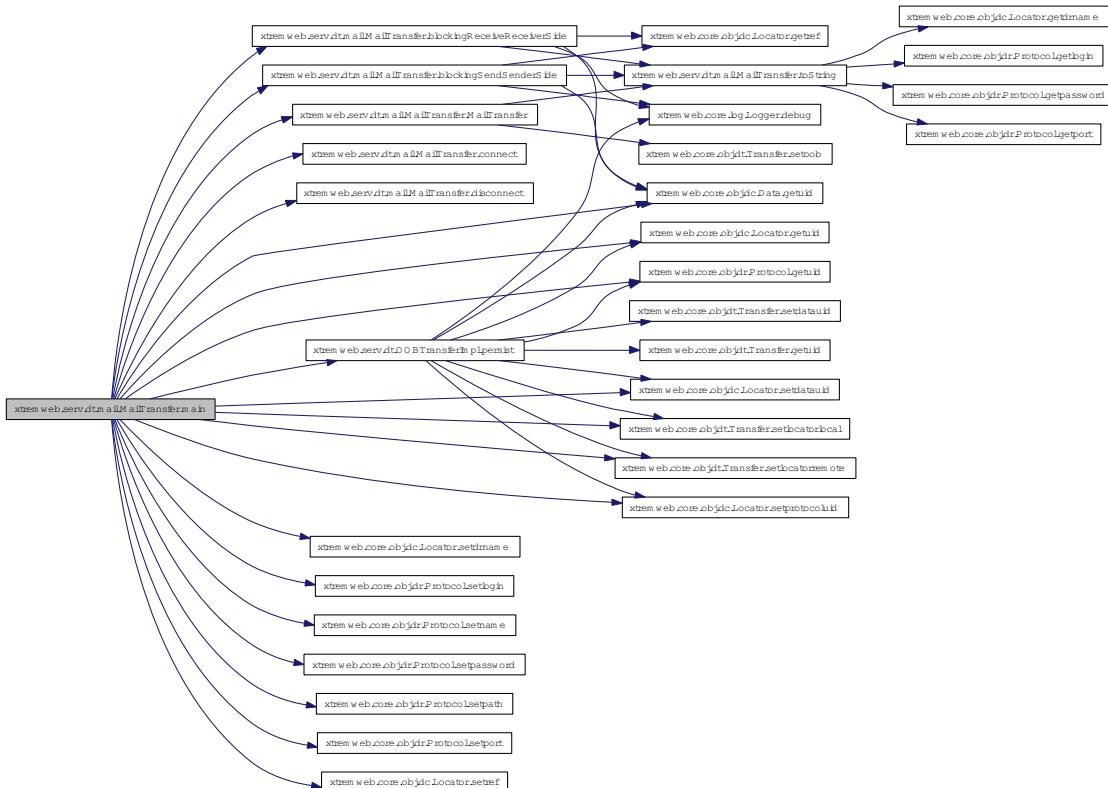
### 5.119.3.7 static void [xtremweb.serv.dt.mail.MailTransfer.main \(String\[ \] args\)](#) [static]

Definition at line 194 of file MailTransfer.java.

**References**

[xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide\(\)](#),  
[xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide\(\)](#), [xtremweb.serv.dt.mail.MailTransfer.connect\(\)](#),  
[xtremweb.serv.dt.OOBTransferImpl.data](#), [xtremweb.serv.dt.mail.MailTransfer.disconnect\(\)](#),  
[xtremweb.core.obj.dc.Locator.getuid\(\)](#), [xtremweb.core.obj.dr.Protocol.getuid\(\)](#),  
[xtremweb.core.obj.dc.Data.getuid\(\)](#), [xtremweb.core.obj.local\\_locator](#),  
[xtremweb.serv.dt.mail.MailTransfer.MailTransfer\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.persist\(\)](#),  
[xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), [xtremweb.core.obj.dc.Locator.setdatauid\(\)](#),  
[xtremweb.core.obj.dc.Locator.setdrname\(\)](#), [xtremweb.core.obj.dt.Transfer.setlocatorlocal\(\)](#),  
[xtremweb.core.obj.dt.Transfer.setlocatorremote\(\)](#), [xtremweb.core.obj.dr.Protocol.setlogin\(\)](#),  
[xtremweb.core.obj.dr.Protocol.setname\(\)](#), [xtremweb.core.obj.dr.Protocol.setpassword\(\)](#),  
[xtremweb.core.obj.dr.Protocol.setpath\(\)](#), [xtremweb.core.obj.dr.Protocol.setport\(\)](#),  
[xtremweb.core.obj.dc.Locator.setprotocoluid\(\)](#), and [xtremweb.core.obj.dc.Locator.setref\(\)](#).

Here is the call graph for this function:



**5.119.3.8 String xtremweb.serv.dt.mail.MailTransfer.toString ()**

`toString` converts to a string

**Returns:**

a `String` value

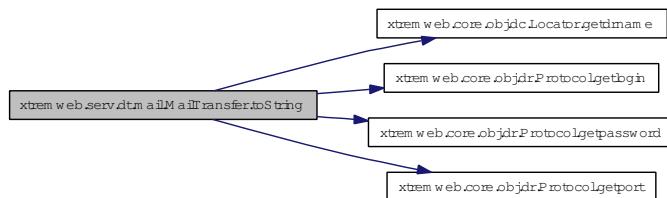
Reimplemented from [xtremweb.serv.dt.OOBTransferImpl](#).

Definition at line 71 of file `MailTransfer.java`.

References `xtremweb.core.obj.dc.Locator.getdrname()`, `xtremweb.core.obj.dr.Protocol.getlogin()`, `xtremweb.core.obj.dr.Protocol.getpassword()`, `xtremweb.core.obj.dr.Protocol.getport()`, `xtremweb.serv.dt.OOBTransferImpl.remote_locator`, and `xtremweb.serv.dt.OOBTransferImpl.remote_protocol`.

Referenced by `xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide()`, `xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide()`, and `xtremweb.serv.dt.mail.MailTransfer.MailTransfer()`.

Here is the call graph for this function:

**5.119.4 Member Data Documentation****5.119.4.1 boolean xtremweb.serv.dt.mail.MailTransfer.auth = true [package]**

Definition at line 55 of file `MailTransfer.java`.

**5.119.4.2 boolean xtremweb.serv.dt.mail.MailTransfer.debug = true [package]**

Definition at line 53 of file `MailTransfer.java`.

Referenced by `xtremweb.serv.dt.mail.MailTransfer.connect()`.

**5.119.4.3 String xtremweb.serv.dt.mail.MailTransfer.folderName = "INBOX" [package]**

Definition at line 43 of file `MailTransfer.java`.

Referenced by `xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide()`.

**5.119.4.4 String xtremweb.serv.dt.mail.MailTransfer.from = "admin@bitdew.com" [package]**

Definition at line 38 of file `MailTransfer.java`.

Referenced by `xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide()`.

**5.119.4.5 String xtremweb.serv.dt.mail.MailTransfer.host = "smtp.gmail.com" [package]**

Definition at line 47 of file MailTransfer.java.

**5.119.4.6 Logger xtremweb.serv.dt.mail.MailTransfer.log = LoggerFactory.getLogger(MailTransfer.class) [static, protected]**

Definition at line 60 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide(), and xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide().

**5.119.4.7 String xtremweb.serv.dt.mail.MailTransfer.mailer = "smtpOOBTransfer" [package]**

Definition at line 44 of file MailTransfer.java.

**5.119.4.8 String xtremweb.serv.dt.mail.MailTransfer.password = "1245superyo" [package]**

Definition at line 49 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide().

**5.119.4.9 String xtremweb.serv.dt.mail.MailTransfer.popMailhost = "pop.gmail.com" [package]**

Definition at line 41 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide().

**5.119.4.10 int xtremweb.serv.dt.mail.MailTransfer.popPort = 995 [package]**

Definition at line 42 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide().

**5.119.4.11 String xtremweb.serv.dt.mail.MailTransfer.popProtocol = "pop3s" [package]**

Definition at line 46 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide().

**5.119.4.12 String xtremweb.serv.dt.mail.MailTransfer.record = "Store1" [package]**

Definition at line 52 of file MailTransfer.java.

**5.119.4.13 Session xtremweb.serv.dt.mail.MailTransfer.session [package]**

Definition at line 58 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide(), and xtremweb.serv.dt.mail.MailTransfer.connect().

**5.119.4.14 String xtremweb.serv.dt.mail.MailTransfer.smtpMailhost = "smtp.gmail.com"** [package]

Definition at line 40 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide(), and xtremweb.serv.dt.mail.MailTransfer.connect().

**5.119.4.15 String xtremweb.serv.dt.mail.MailTransfer.smtpPassword = "smtpPassword"** [package]

Definition at line 51 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide().

**5.119.4.16 String xtremweb.serv.dt.mail.MailTransfer.smtpProtocol = "smtps" [package]**

Definition at line 45 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide().

**5.119.4.17 String xtremweb.serv.dt.mail.MailTransfer.smtpUser = "sender.smtpTransfer@gmail.com" [package]**

Definition at line 50 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide().

**5.119.4.18 boolean xtremweb.serv.dt.mail.MailTransfer.ssl = true [package]**

Definition at line 56 of file MailTransfer.java.

**5.119.4.19 String xtremweb.serv.dt.mail.MailTransfer.subjectHeader = "BitDew " [package]**

Definition at line 37 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide(), and xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide().

**5.119.4.20 String xtremweb.serv.dt.mail.MailTransfer.tmpDir = "tmp" [package]**

Definition at line 57 of file MailTransfer.java.

**5.119.4.21 String xtremweb.serv.dt.mail.MailTransfer.to = "yo.superyo@gmail.com" [package]**

Definition at line 36 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide().

**5.119.4.22 String xtremweb.serv.dt.mail.MailTransfer.url = null [package]**

Definition at line 39 of file MailTransfer.java.

**5.119.4.23 String xtremweb.serv.dt.mail.MailTransfer.user = "yo.superyo@gmail.com" [package]**

Definition at line 48 of file MailTransfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide().

**5.119.4.24 boolean xtremweb.serv.dt.mail.MailTransfer.verbose = true [package]**

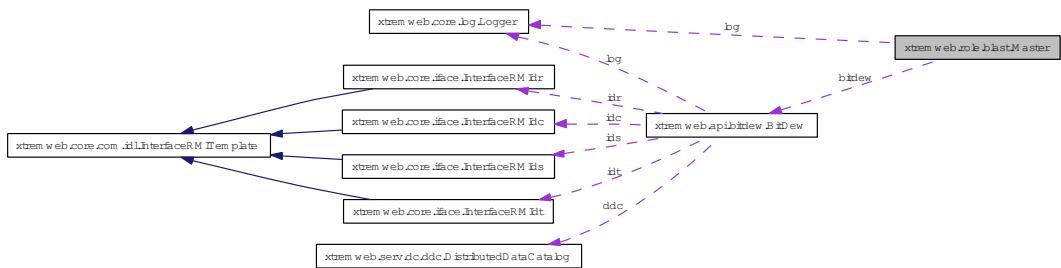
Definition at line 54 of file MailTransfer.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/mail/[MailTransfer.java](#)

## 5.120 xtremweb.role.blast.Master Class Reference

Collaboration diagram for xtremweb.role.blast.Master:



### Public Member Functions

- `Master (BitDew bd)`

### Static Public Member Functions

- static void `main (String[ ] args) throws Exception`

### Static Public Attributes

- static `Logger log = LoggerFactory.getLogger(Master.class)`
- static final String `DEFAULT_TEMP_DIR_NAME = "."`
- static String `tempDirName = DEFAULT_TEMP_DIR_NAME`

### Protected Attributes

- `BitDew bitdew`

#### 5.120.1 Detailed Description

Definition at line 31 of file `Master.java`.

#### 5.120.2 Constructor & Destructor Documentation

##### 5.120.2.1 xtremweb.role.blast.Master.Master (BitDew *bd*)

Definition at line 41 of file `Master.java`.

References `xtremweb.role.blast.Master.bitdew`.

Referenced by `xtremweb.role.blast.Master.main()`.

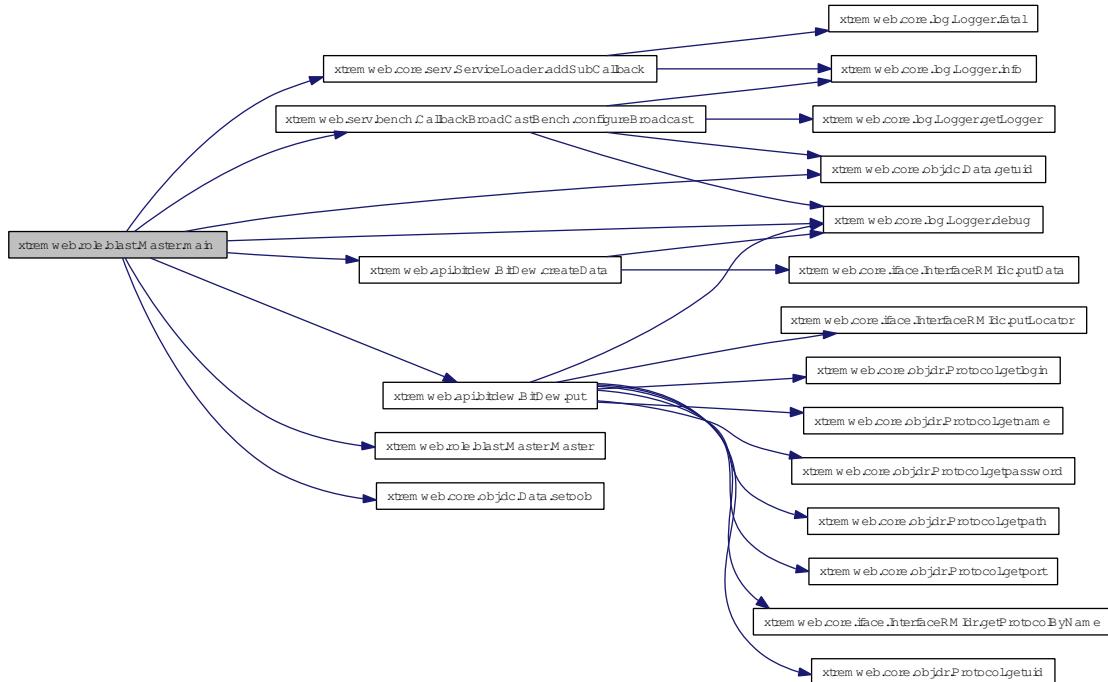
### 5.120.3 Member Function Documentation

#### 5.120.3.1 static void xtremweb.role.blast.Master.main (String[ ] args) throws Exception [static]

Definition at line 47 of file Master.java.

References `xtremweb.core.serv.ServiceLoader.addSubCallback()`, `xtremweb.role.blast.Master.bitdew`, `xtremweb.serv.bench.CallbackBroadCastBench.configureBroadcast()`, `xtremweb.api.bitdew.BitDew.createData()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.role.blast.Master.DEFAULT_TEMP_DIR_NAME`, `xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.role.blast.Master.log`, `xtremweb.role.blast.Master.Master()`, `xtremweb.api.bitdew.BitDew.put()`, `xtremweb.core.obj.dc.Data.setoob()`, and `xtremweb.role.blast.Master.tempDirName`.

Here is the call graph for this function:



### 5.120.4 Member Data Documentation

#### 5.120.4.1 BitDew xtremweb.role.blast.Master.bitdew [protected]

Creates a new BenchBroadCastMaster instance. test

Definition at line 37 of file Master.java.

Referenced by `xtremweb.role.blast.Master.main()`, and `xtremweb.role.blast.Master.Master()`.

#### 5.120.4.2 final String xtremweb.role.blast.Master.DEFAULT\_TEMP\_DIR\_NAME = "." [static]

Definition at line 39 of file Master.java.

Referenced by xtremweb.role.blast.Master.main().

**5.120.4.3 Logger xtremweb.role.blast.Master.log = LoggerFactory.getLogger(Master.class)**  
[static]

Definition at line 38 of file Master.java.

Referenced by xtremweb.role.blast.Master.main().

**5.120.4.4 String xtremweb.role.blast.Master.tempDirName = DEFAULT\_TEMP\_DIR\_NAME**  
[static]

Definition at line 40 of file Master.java.

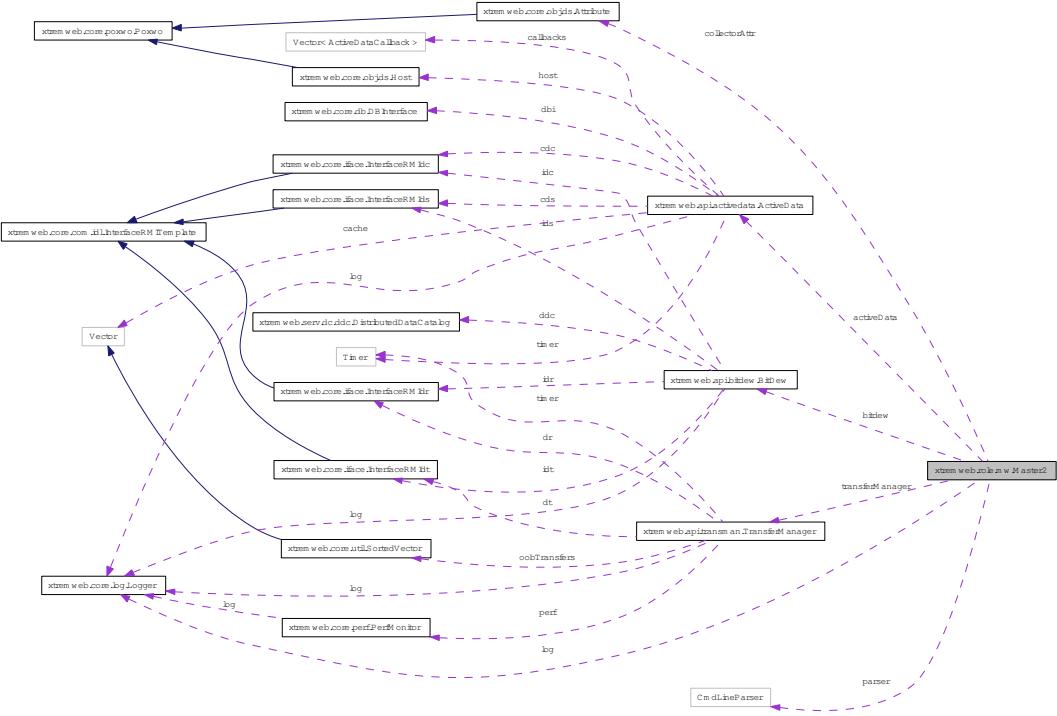
Referenced by xtremweb.role.blast.Master.main().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/blast/[Master.java](#)

## 5.121 xtremweb.role.mw.Master2 Class Reference

Collaboration diagram for xtremweb.role.mw.Master2:



## Classes

- class [MasterCallback](#)

## Public Member Functions

- [Master2](#) (String[ ] args) throws Exception

## Static Public Member Functions

- static void [usage](#) ()
- static void [main](#) (String[ ] args) throws Exception

## Package Attributes

- `Logger log = LoggerFactory.getLogger(Master2.class)`
- `BitDew bitdew = null`
- `ActiveData activeData = null`
- `TransferManager transferManager = null`
- `CmdLineParser parser = new CmdLineParser()`
- `int result = 0`

- int params
- Attribute collectorAttr = null

### 5.121.1 Detailed Description

Definition at line 34 of file Master2.java.

### 5.121.2 Constructor & Destructor Documentation

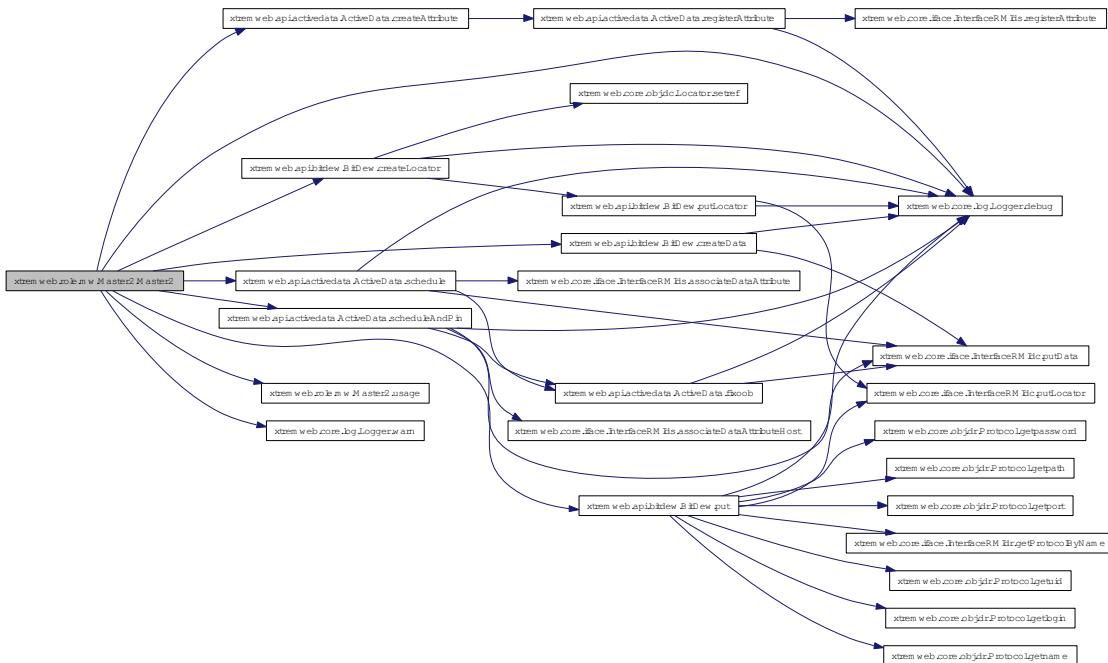
#### 5.121.2.1 xtremweb.role.mw.Master2(String[ ] args) throws Exception

Definition at line 49 of file Master2.java.

References      `xtremweb.role.mw.Master2.activeData`,      `xtremweb.role.mw.Master2.bitdew`,  
`xtremweb.role.mw.Master2.collectorAttr`,      `xtremweb.api.activedata.ActiveData.createAttribute()`,  
`xtremweb.api.bitdew.BitDew.createData()`,      `xtremweb.api.bitdew.BitDew.createLocator()`,  
`xtremweb.core.log.Logger.debug()`,      `xtremweb.role.mw.Master2.log`,      `xtremweb.role.mw.Master2.params`,  
`xtremweb.role.mw.Master2.parser`,      `xtremweb.api.bitdew.BitDew.put()`,      `xtremweb.api.activedata.ActiveData.schedule()`,  
`xtremweb.api.activedata.ActiveData.scheduleAndPin()`,      `xtremweb.role.mw.Master2.transferManager`,  
`xtremweb.role.mw.Master2.usage()`, and `xtremweb.core.log.Logger.warn()`.

Referenced by `xtremweb.role.mw.Master2.main()`.

Here is the call graph for this function:



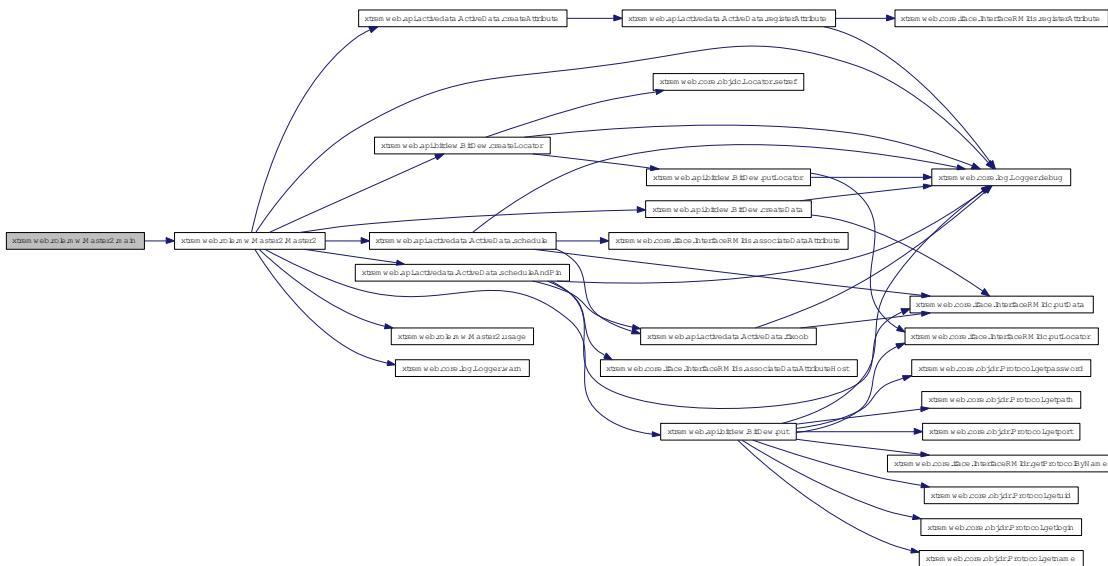
### 5.121.3 Member Function Documentation

#### 5.121.3.1 static void xtremweb.role.mw.Master2.main (String[ ] args) throws Exception [static]

Definition at line 142 of file Master2.java.

References xtremweb.role.mw.Master2.Master2().

Here is the call graph for this function:



#### 5.121.3.2 static void xtremweb.role.mw.Master2.usage () [static]

Definition at line 44 of file Master2.java.

Referenced by xtremweb.role.mw.Master2.Master2().

### 5.121.4 Member Data Documentation

#### 5.121.4.1 ActiveData xtremweb.role.mw.Master2.activeData = null [package]

Definition at line 38 of file Master2.java.

Referenced by xtremweb.role.mw.Master2.Master2().

#### 5.121.4.2 BitDew xtremweb.role.mw.Master2.bitdew = null [package]

Definition at line 37 of file Master2.java.

Referenced by xtremweb.role.mw.Master2.Master2(), and xtremweb.role.mw.Master2.MasterCallback.onDataScheduled().

**5.121.4.3 Attribute `xtremweb.role.mw.Master2.collectorAttr = null` [package]**

Definition at line 43 of file Master2.java.

Referenced by `xtremweb.role.mw.Master2.Master2()`.

**5.121.4.4 Logger `xtremweb.role.mw.Master2.log = LoggerFactory.getLogger(Master2.class)` [package]**

Definition at line 36 of file Master2.java.

Referenced by `xtremweb.role.mw.Master2.Master2()`.

**5.121.4.5 int `xtremweb.role.mw.Master2.params` [package]**

Definition at line 42 of file Master2.java.

Referenced by `xtremweb.role.mw.Master2.Master2()`.

**5.121.4.6 CmdLineParser `xtremweb.role.mw.Master2.parser = new CmdLineParser()` [package]**

Definition at line 40 of file Master2.java.

Referenced by `xtremweb.role.mw.Master2.Master2()`.

**5.121.4.7 int `xtremweb.role.mw.Master2.result = 0` [package]**

Definition at line 41 of file Master2.java.

**5.121.4.8 TransferManager `xtremweb.role.mw.Master2.transferManager = null` [package]**

Definition at line 39 of file Master2.java.

Referenced by `xtremweb.role.mw.Master2.Master2()`.

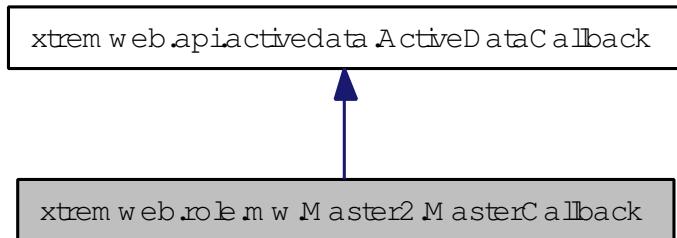
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/mw/[Master2.java](#)

## 5.122 xtremweb.role.mw.Master2.MasterCallback Class Reference

Inherits [xtremweb::api::activedata::ActiveDataCallback](#).

Collaboration diagram for xtremweb.role.mw.Master2.MasterCallback:



### Public Member Functions

- void [onDataScheduled \(Data data, Attribute attr\)](#)
- void [onDataDeleted \(Data data, Attribute attr\)](#)

#### 5.122.1 Detailed Description

Definition at line 146 of file Master2.java.

#### 5.122.2 Member Function Documentation

##### 5.122.2.1 void xtremweb.role.mw.Master2.MasterCallback.onDataDeleted (Data *data*, Attribute *attr*)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 167 of file Master2.java.

References [xtremweb.core.obj.ds.Attribute.getname\(\)](#).

Here is the call graph for this function:



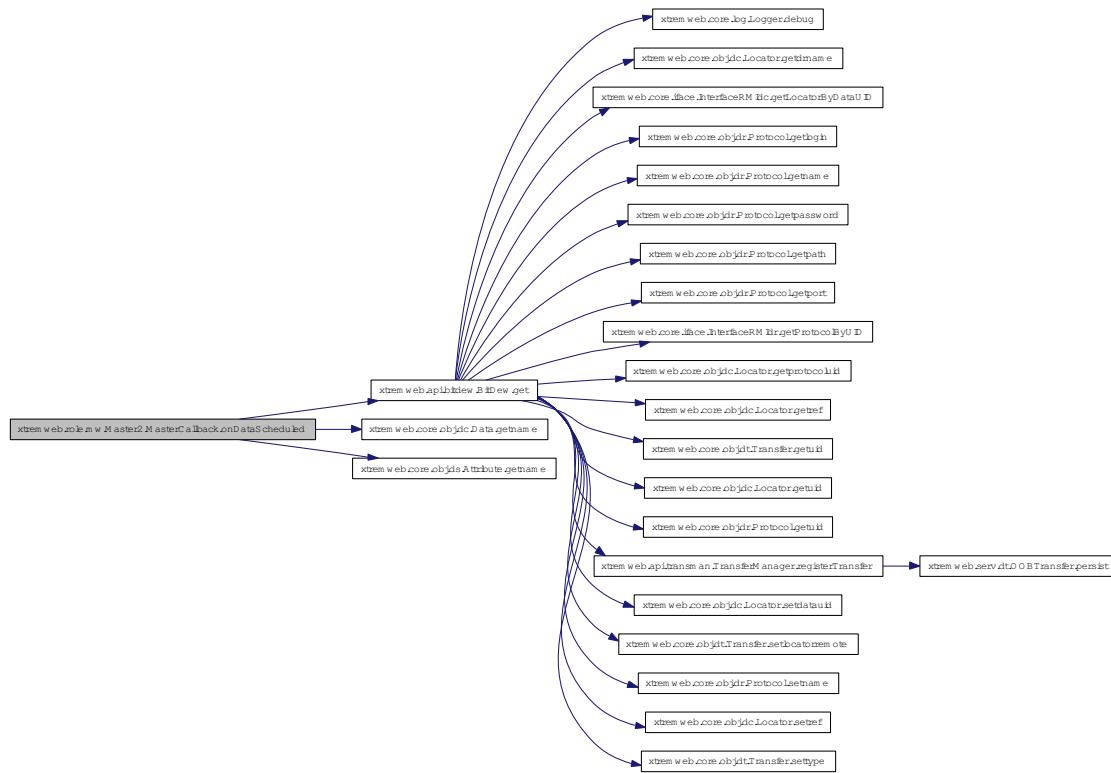
##### 5.122.2.2 void xtremweb.role.mw.Master2.MasterCallback.onDataScheduled (Data *data*, Attribute *attr*)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 148 of file Master2.java.

References [xtremweb.role.mw.Master2.bitdew](#), [xtremweb.api.bitdew.BitDew.get\(\)](#), [xtremweb.core.obj.dc.Data.getname\(\)](#), and [xtremweb.core.obj.ds.Attribute.getname\(\)](#).

Here is the call graph for this function:

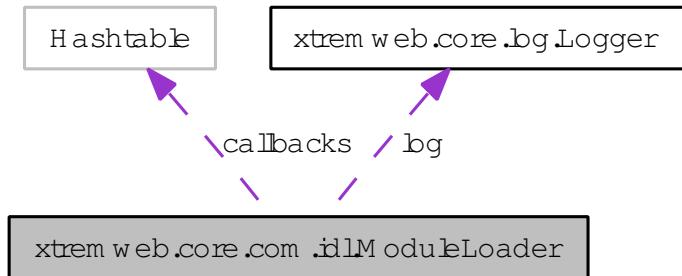


The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/mw/[Master2.java](#)

## 5.123 xtremweb.core.com.idl.ModuleLoader Class Reference

Collaboration diagram for xtremweb.core.com.idl.ModuleLoader:



### Static Public Member Functions

- static void [addCallback](#) (String module) throws ModuleLoaderException
- static void [addSubCallback](#) (String module, [CallbackTemplate](#) subCallback) throws ModuleLoaderException
- static [CallbackTemplate](#) [getModule](#) (String module) throws ModuleLoaderException
- static void [addHandler](#) (String module, String media, int port) throws ModuleLoaderException
- static void [main](#) (String[ ] args)

### Static Public Attributes

- static final String [rootServiceClassPath](#) = "xtremweb.serv"
- static final String [rootComClassPath](#) = "xtremweb.core.com.com"
- static final int [rmiBackPort](#) = 4327

### Static Private Member Functions

- static Object [createInstance](#) (String className) throws ModuleLoaderException
- static void [initHandlers](#) (String media, int port)

### Static Private Attributes

- static Hashtable [callbacks](#) = new Hashtable()
- static boolean [handlersInitialised](#) = false
- static [Logger](#) [log](#) = LoggerFactory.getLogger(ModuleLoader.class)

#### 5.123.1 Detailed Description

[ModuleLoader](#) loads module (aka service).

#### Author:

Gilles Fedak

**Version:**

1.0

Definition at line 15 of file ModuleLoader.java.

### 5.123.2 Member Function Documentation

#### 5.123.2.1 static void xtremweb.core.com.idl.ModuleLoader.addCallback (String *module*) throws ModuleLoaderException [static]

`addCallback` adds callback, that is code which will be called whenever a request is made to the [handler](#).

**Parameters:**

*module* a String value

**Exceptions:**

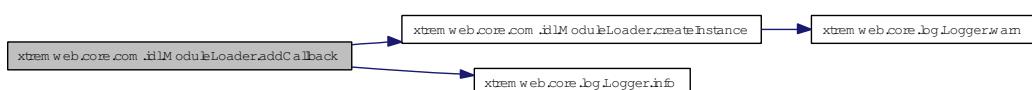
[\*ModuleLoaderException\*](#) if an error occurs

Definition at line 67 of file ModuleLoader.java.

References `xtremweb.core.com.idl.ModuleLoader.callbacks`, `xtremweb.core.com.idl.ModuleLoader.createInstance()`, `xtremweb.core.log.Logger.info()`, `xtremweb.core.com.idl.ModuleLoader.log`, and `xtremweb.core.com.idl.ModuleLoader.rootServiceClassPath`.

Referenced by `xtremweb.core.com.idl.ModuleLoader.main()`.

Here is the call graph for this function:



#### 5.123.2.2 static void xtremweb.core.com.idl.ModuleLoader.addHandler (String *module*, String *media*, int *port*) throws ModuleLoaderException [static]

`addHandler` add a [handler](#) to received request on port and media

**Parameters:**

*module* a String value

*media* a String value

*port* an int value

**Exceptions:**

[\*ModuleLoaderException\*](#) if an error occurs

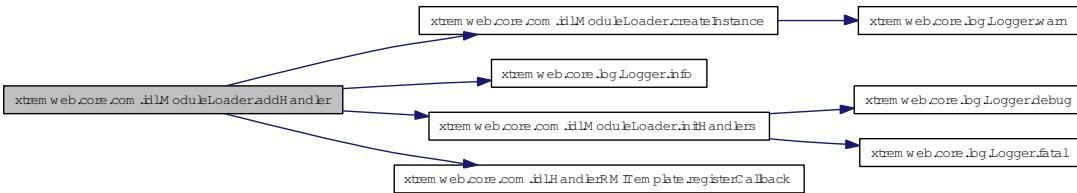
Definition at line 114 of file ModuleLoader.java.

References `xtremweb.core.com.idl.ModuleLoader.callbacks`, `xtremweb.core.com.idl.ModuleLoader.createInstance()`, `xtremweb.core.com.idl.ModuleLoader.handlersInitialised`, and `xtremweb.core.log.Logger.info()`.

`xtremweb.core.com.idl.ModuleLoader.initHandlers()`, `xtremweb.core.com.idl.ModuleLoader.log()`, and `xtremweb.core.com.idl.HandlerRMITemplate.registerCallback()`.

Referenced by `xtremweb.core.com.idl.ModuleLoader.main()`.

Here is the call graph for this function:



### 5.123.2.3 static void `xtremweb.core.com.idl.ModuleLoader.addSubCallback (String module, CallbackTemplate subCallback) throws ModuleLoaderException [static]`

`addSubCallback` overides a module which a specified class

**Parameters:**

`module` a `String` value  
`subCallback` a `CallbackTemplate` value

**Exceptions:**

`ModuleLoaderException` if an error occurs

Definition at line 87 of file `ModuleLoader.java`.

References `xtremweb.core.com.idl.ModuleLoader.callbacks`, `xtremweb.core.log.Logger.info()`, and `xtremweb.core.com.idl.ModuleLoader.log()`.

Here is the call graph for this function:



### 5.123.2.4 static Object `xtremweb.core.com.idl.ModuleLoader.createInstance (String className) throws ModuleLoaderException [static, private]`

Definition at line 25 of file `ModuleLoader.java`.

References `xtremweb.core.com.idl.ModuleLoader.log`, and `xtremweb.core.log.Logger.warn()`.

Referenced by `xtremweb.core.com.idl.ModuleLoader.addCallback()`, and `xtremweb.core.com.idl.ModuleLoader.addHandler()`.

Here is the call graph for this function:



**5.123.2.5 static CallbackTemplate xtremweb.core.com.idl.ModuleLoader.getModule (String module) throws ModuleLoaderException [static]**

getModule return the callback associated with the module

**Parameters:**

*module* a String value

**Returns:**

a [CallbackTemplate](#) value

**Exceptions:**

[ModuleLoaderException](#) if an error occurs

Definition at line 100 of file ModuleLoader.java.

References xtremweb.core.com.idl.ModuleLoader.callbacks.

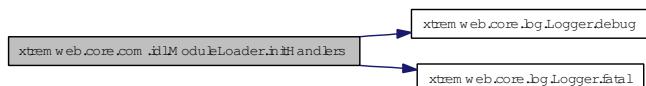
**5.123.2.6 static void xtremweb.core.com.idl.ModuleLoader.initHandlers (String media, int port) [static, private]**

Definition at line 47 of file ModuleLoader.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.log.Logger.fatal(), xtremweb.core.com.idl.ModuleLoader.handlersInitialised, and xtremweb.core.com.idl.ModuleLoader.log.

Referenced by xtremweb.core.com.idl.ModuleLoader.addHandler().

Here is the call graph for this function:

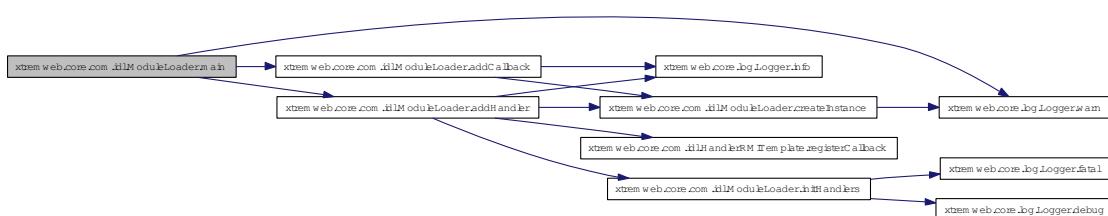


**5.123.2.7 static void xtremweb.core.com.idl.ModuleLoader.main (String[ ] args) [static]**

Definition at line 149 of file ModuleLoader.java.

References xtremweb.core.com.idl.ModuleLoader.addCallback(), xtremweb.core.com.idl.ModuleLoader.addHandler(), xtremweb.core.com.idl.ModuleLoader.log, and xtremweb.core.log.Logger.warn().

Here is the call graph for this function:



### 5.123.3 Member Data Documentation

**5.123.3.1 Hashtable xtremweb.core.com.idl.ModuleLoader.callbacks = new Hashtable()** [static, private]

Definition at line 17 of file ModuleLoader.java.

Referenced by xtremweb.core.com.idl.ModuleLoader.addCallback(), xtremweb.core.com.idl.ModuleLoader.addHandler(), xtremweb.core.com.idl.ModuleLoader.addSubCallback(), and xtremweb.core.com.idl.ModuleLoader.getModule().

**5.123.3.2 boolean xtremweb.core.com.idl.ModuleLoader.handlersInitialised = false** [static, private]

Definition at line 18 of file ModuleLoader.java.

Referenced by xtremweb.core.com.idl.ModuleLoader.addHandler(), and xtremweb.core.com.idl.ModuleLoader.initHandlers().

**5.123.3.3 Logger xtremweb.core.com.idl.ModuleLoader.log = LoggerFactory.getLogger(ModuleLoader.class)** [static, private]

Definition at line 23 of file ModuleLoader.java.

Referenced by xtremweb.core.com.idl.ModuleLoader.addCallback(), xtremweb.core.com.idl.ModuleLoader.addHandler(), xtremweb.core.com.idl.ModuleLoader.addSubCallback(), xtremweb.core.com.idl.ModuleLoader.createInstance(), xtremweb.core.com.idl.ModuleLoader.initHandlers(), and xtremweb.core.com.idl.ModuleLoader.main().

**5.123.3.4 final int xtremweb.core.com.idl.ModuleLoader.rmiBackPort = 4327** [static]

Definition at line 21 of file ModuleLoader.java.

**5.123.3.5 final String xtremweb.core.com.idl.ModuleLoader.rootComClassPath = "xtremweb.core.com.com"** [static]

Definition at line 20 of file ModuleLoader.java.

**5.123.3.6 final String xtremweb.core.com.idl.ModuleLoader.rootServiceClassPath = "xtremweb.serv"** [static]

Definition at line 19 of file ModuleLoader.java.

Referenced by xtremweb.core.com.idl.ModuleLoader.addCallback().

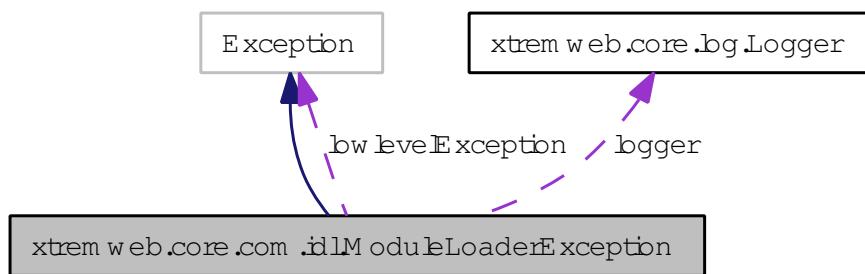
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/idl/ModuleLoader.java

## 5.124 xtremweb.core.com.idl.ModuleLoaderException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.core.com.idl.ModuleLoaderException:



### Public Member Functions

- [ModuleLoaderException \(\)](#)
- [ModuleLoaderException \(String s\)](#)
- [ModuleLoaderException \(Exception e\)](#)
- [ModuleLoaderException \(String s, Exception e\)](#)

### Protected Attributes

- [Logger logger = Logger.getLogger\(this.getClass\(\).getName\(\)\)](#)

### Package Attributes

- [Exception lowlevelException](#)

#### 5.124.1 Detailed Description

Definition at line 14 of file ModuleLoaderException.java.

#### 5.124.2 Constructor & Destructor Documentation

##### 5.124.2.1 xtremweb.core.com.idl.ModuleLoaderException.ModuleLoaderException ()

Definition at line 19 of file ModuleLoaderException.java.

##### 5.124.2.2 xtremweb.core.com.idl.ModuleLoaderException.ModuleLoaderException (String s)

Definition at line 23 of file ModuleLoaderException.java.

### 5.124.2.3 **xtremweb.core.com.idl.ModuleLoaderException.ModuleLoaderException (Exception e)**

Definition at line 27 of file ModuleLoaderException.java.

References xtremweb.core.com.idl.ModuleLoaderException.lowlevelException.

### 5.124.2.4 **xtremweb.core.com.idl.ModuleLoaderException.ModuleLoaderException (String s, Exception e)**

Definition at line 33 of file ModuleLoaderException.java.

References xtremweb.core.com.idl.ModuleLoaderException.logger, xtremweb.core.com.idl.ModuleLoaderException.lowlevelException and xtremweb.core.log.Logger.warn().

Here is the call graph for this function:



## 5.124.3 Member Data Documentation

### 5.124.3.1 **Logger xtremweb.core.com.idl.ModuleLoaderException.logger = Logger.getLogger(this.getClass().getName()) [protected]**

Definition at line 17 of file ModuleLoaderException.java.

Referenced by xtremweb.core.com.idl.ModuleLoaderException.ModuleLoaderException().

### 5.124.3.2 **Exception xtremweb.core.com.idl.ModuleLoaderException.lowlevelException [package]**

Definition at line 16 of file ModuleLoaderException.java.

Referenced by xtremweb.core.com.idl.ModuleLoaderException.ModuleLoaderException().

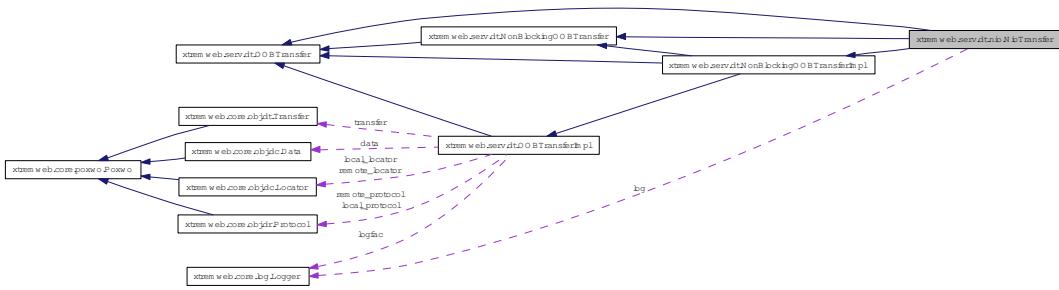
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/com/idl/ModuleLoaderException.java

## 5.125 xtremweb.serv.dt.nio.NioTransfer Class Reference

Inherits [xtremweb::serv::dt::NonBlockingOOBTransferImpl](#), [xtremweb::serv::dt::NonBlockingOOBTransfer](#), and [xtremweb::serv::dt::OOBTransfer](#).

Collaboration diagram for xtremweb.serv.dt.nio.NioTransfer:



### Public Member Functions

- [NioTransfer \(Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp\)](#)
- [String nioToString \(\)](#)
- [void connect \(\) throws OOBException](#)
- [void nonBlockingSendSenderSide \(\) throws OOBException](#)
- [void nonBlockingSendReceiverSide \(\) throws OOBException](#)
- [void nonBlockingReceiveReceiverSide \(\) throws OOBException](#)
- [void nonBlockingReceiveSenderSide \(\) throws OOBException](#)
- [void disconnect \(\) throws OOBException](#)

### Static Public Member Functions

- [static void main \(String\[ \] args\)](#)

### Static Protected Attributes

- [static Logger log = LoggerFactory.getLogger\(NioTransfer.class\)](#)

#### 5.125.1 Detailed Description

Definition at line 23 of file NioTransfer.java.

#### 5.125.2 Constructor & Destructor Documentation

##### 5.125.2.1 xtremweb.serv.dt.nio.NioTransfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)

Definition at line 32 of file NioTransfer.java.

### 5.125.3 Member Function Documentation

#### 5.125.3.1 void xtremweb.serv.dt.nio.NioTransfer.connect () throws OOBException

connect

**Exceptions:**

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 40 of file NioTransfer.java.

#### 5.125.3.2 void xtremweb.serv.dt.nio.NioTransfer.disconnect () throws OOBException

Describe disconnect method here.

**Exceptions:**

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 81 of file NioTransfer.java.

#### 5.125.3.3 static void xtremweb.serv.dt.nio.NioTransfer.main (String[ ] args) [static]

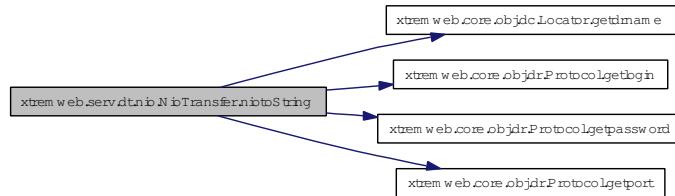
Definition at line 84 of file NioTransfer.java.

#### 5.125.3.4 String xtremweb.serv.dt.nio.NioTransfer.niotoString()

Definition at line 36 of file NioTransfer.java.

References [xtremweb.core.obj.dc.Locator.getdrname\(\)](#), [xtremweb.core.obj.dr.Protocol.getlogin\(\)](#),  
[xtremweb.core.obj.dr.Protocol.getpassword\(\)](#), [xtremweb.core.obj.dr.Protocol.getport\(\)](#),  
[xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), and [xtremweb.serv.dt.OOBTransferImpl.remote\\_protocol](#).

Here is the call graph for this function:



#### 5.125.3.5 void xtremweb.serv.dt.nio.NioTransfer.nonBlockingReceiveReceiverSide () throws OOBException

`nonBlockingReceiveReceiverSide` implements the non blocking receive from the Receiver side

**Exceptions:**

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.NonBlockingOOBTransfer](#).

Definition at line 64 of file NioTransfer.java.

References [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.core.obj.dc.Locator.getref\(\)](#), [xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#), [xtremweb.serv.dt.NioTransfer.log](#), and [xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#).

Here is the call graph for this function:



### 5.125.3.6 void xtremweb.serv.dt.nio.NioTransfer.nonBlockingReceiveSenderSide () throws OOBException

nonBlockingReceiveSenderSide implements the non blocking receive from the Sender side

**Exceptions:**

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.NonBlockingOOBTransfer](#).

Definition at line 78 of file NioTransfer.java.

### 5.125.3.7 void xtremweb.serv.dt.nio.NioTransfer.nonBlockingSendReceiverSide () throws OOBException

nonBlockingSendReceiverSide implements the non blocking send method from the Receiver side

**Exceptions:**

*OOBException* if an error occurs

Implements [xtremweb.serv.dt.NonBlockingOOBTransfer](#).

Definition at line 61 of file NioTransfer.java.

### 5.125.3.8 void xtremweb.serv.dt.nio.NioTransfer.nonBlockingSendSenderSide () throws OOBException

nonBlockingSendSenderSide implements the non blocking Send method from the Sender side

**Exceptions:**

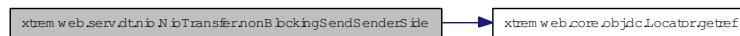
*OOBException* if an error occurs

Implements [xtremweb.serv.dt.NonBlockingOOBTransfer](#).

Definition at line 52 of file NioTransfer.java.

References `xtremweb.core.obj.dc.Locator.getref()`, `xtremweb.serv.dt.OOBTransferImpl.local_locator`, and `xtremweb.serv.dt.OOBTransferImpl.remote_locator`.

Here is the call graph for this function:



## 5.125.4 Member Data Documentation

### 5.125.4.1 Logger `xtremweb.serv.dt.nio.NioTransfer.log = LoggerFactory.getLogger(NioTransfer.class)` [static, protected]

Definition at line 30 of file NioTransfer.java.

Referenced by `xtremweb.serv.dt.nio.NioTransfer.nonBlockingReceiveReceiverSide()`.

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

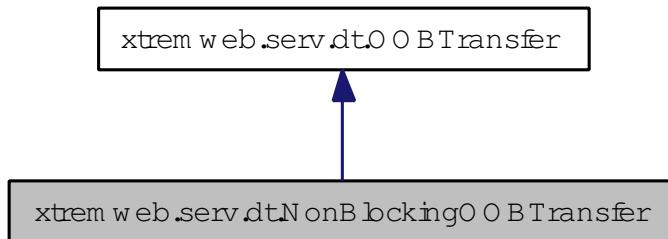
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/nio/[NioTransfer.java](#)

## 5.126 xtremweb.serv.dt.NonBlockingOOBTransfer Interface Reference

Inherits [xtremweb::serv::dt::OOBTransfer](#).

Inherited by [xtremweb.serv.dt.bittorrent.BittorrentTransfer](#), [xtremweb.serv.dt.nio.NioTransfer](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#).

Collaboration diagram for `xtremweb.serv.dt.NonBlockingOOBTransfer`:



### Public Member Functions

- void `nonBlockingSendSenderSide()` throws `OOBException`
- void `nonBlockingSendReceiverSide()` throws `OOBException`
- void `nonBlockingReceiveSenderSide()` throws `OOBException`
- void `nonBlockingReceiveReceiverSide()` throws `OOBException`

#### 5.126.1 Detailed Description

`NonBlockingOOBTransfer` is an interface which specifies howto implement an OOB transfer when the API relies on a Non Blocking API.

In this case, one has to provide 2 functions for a Send transfer `nonBlockingSendSenderSide` and `nonBblockingSendReceiverSide` and 2 functions for a Receive transfer `nonBblockingReceiveSenderSide` and `nonBlockingReceiveReceiverSide`

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 15 of file `NonBlockingOOBTransfer.java`.

#### 5.126.2 Member Function Documentation

##### 5.126.2.1 void `xtremweb.serv.dt.NonBlockingOOBTransfer.nonBlockingReceiveReceiverSide()` throws `OOBException`

`nonBlockingReceiveReceiverSide` implements the non blocking receive from the Receiver side

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.bittorrent.BittorrentTransfer](#), and [xtremweb.serv.dt.nio.NioTransfer](#).

Referenced by [xtremweb.serv.dt.NonBlockingOOBTransferImpl.receiveReceiverSide\(\)](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl.receiveSenderSide\(\)](#).

### **5.126.2.2 void xtremweb.serv.dt.NonBlockingOOBTransfer.nonBlockingReceiveSenderSide () throws OOBException**

`nonBlockingReceiveSenderSide` implements the non blocking receive from the Sender side

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.bittorrent.BittorrentTransfer](#), and [xtremweb.serv.dt.nio.NioTransfer](#).

### **5.126.2.3 void xtremweb.serv.dt.NonBlockingOOBTransfer.nonBlockingSendReceiverSide () throws OOBException**

`nonBlockingSendReceiverSide` implements the non blocking send method from the Receiver side

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.bittorrent.BittorrentTransfer](#), and [xtremweb.serv.dt.nio.NioTransfer](#).

Referenced by [xtremweb.serv.dt.NonBlockingOOBTransferImpl.sendReceiverSide\(\)](#).

### **5.126.2.4 void xtremweb.serv.dt.NonBlockingOOBTransfer.nonBlockingSendSenderSide () throws OOBException**

`nonBlockingSendSenderSide` implements the non blocking Send method from the Sender side

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.bittorrent.BittorrentTransfer](#), and [xtremweb.serv.dt.nio.NioTransfer](#).

Referenced by [xtremweb.serv.dt.NonBlockingOOBTransferImpl.sendSenderSide\(\)](#).

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

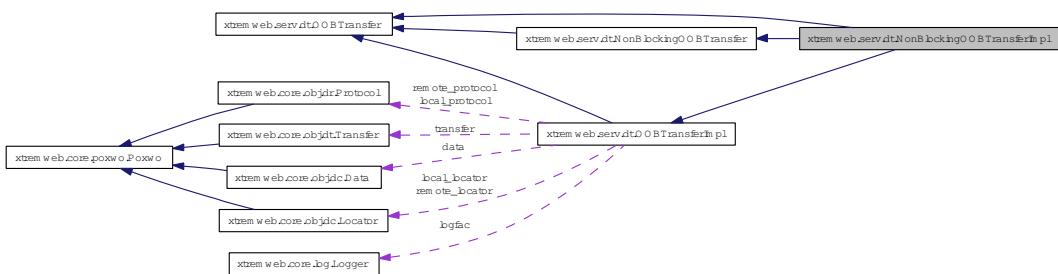
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/[NonBlockingOOBTransfer.java](#)

## 5.127 xtremweb.serv.dt.NonBlockingOOBTransferImpl Class Reference

Inherits [xtremweb::serv::dt::OOBTransferImpl](#), [xtremweb::serv::dt::OOBTransfer](#), and [xtremweb::serv::dt::NonBlockingOOBTransfer](#).

Inherited by [xtremweb.serv.dt.bittorrent.BittorrentTransfer](#), and [xtremweb.serv.dt.nio.NioTransfer](#).

Collaboration diagram for [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#):



### Public Member Functions

- [NonBlockingOOBTransferImpl \(Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp\)](#)
- void [sendSenderSide \(\)](#) throws OOBException
- void [sendReceiverSide \(\)](#) throws OOBException
- void [receiveSenderSide \(\)](#) throws OOBException
- void [receiveReceiverSide \(\)](#) throws OOBException
- boolean [isTransferring \(\)](#)
- void [waitFor \(\)](#)

### Protected Attributes

- boolean [\\_isTransferring = false](#)

#### 5.127.1 Detailed Description

[NonBlockingOOBTransferImpl](#) is an abstract class implementing [NonBlockingOOBTransfer](#) when the API relies on a non Blocking API.

Created: Fri Mar 16 14:28:17 2007

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 18 of file [NonBlockingOOBTransferImpl.java](#).

## 5.127.2 Constructor & Destructor Documentation

### 5.127.2.1 `xtremweb.serv.dt.NonBlockingOOBTransferImpl.NonBlockingOOBTransferImpl (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`

Creates a new `NonBlockingOOBTransferImpl` instance.

#### Parameters:

- `d` a Data value
- `t` a Transfer value
- `rl` a Locator value
- `ll` a Locator value
- `rp` a Protocol value
- `lp` a Protocol value

Definition at line 34 of file NonBlockingOOBTransferImpl.java.

## 5.127.3 Member Function Documentation

### 5.127.3.1 `boolean xtremweb.serv.dt.NonBlockingOOBTransferImpl.isTransferring ()`

Implements `xtremweb.serv.dt.OOBTransfer`.

Definition at line 79 of file NonBlockingOOBTransferImpl.java.

References `xtremweb.serv.dt.NonBlockingOOBTransferImpl._isTransferring`, and `xtremweb.serv.dt.OOBTransfer.poolTransfer()`.

Here is the call graph for this function:



### 5.127.3.2 `void xtremweb.serv.dt.NonBlockingOOBTransferImpl.receiveReceiverSide () throws OOBException`

`receiveReceiverSide` executes the `nonBlockingReceive` method

#### Exceptions:

- `OOBException` if an error occurs

Implements `xtremweb.serv.dt.OOBTransfer`.

Definition at line 74 of file NonBlockingOOBTransferImpl.java.

References `xtremweb.serv.dt.NonBlockingOOBTransferImpl._isTransferring`, and `xtremweb.serv.dt.NonBlockingOOBTransfer.nonBlockingReceiveReceiverSide()`.

Referenced by `xtremweb.serv.dt.bittorrent.BittorrentTransfer.main()`.

Here is the call graph for this function:



### 5.127.3.3 void xtremweb.serv.dt.NonBlockingOOBTransferImpl.receiveSenderSide () throws OOBException

receiveSenderSide executes the nonBlockingReceiveSenderSide method

#### Exceptions:

***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 64 of file NonBlockingOOBTransferImpl.java.

References [xtremweb.serv.dt.NonBlockingOOBTransferImpl.\\_isTransferring](#), and [xtremweb.serv.dt.NonBlockingOOBTransfer.nonBlockingReceiveReceiverSide\(\)](#).

Here is the call graph for this function:



### 5.127.3.4 void xtremweb.serv.dt.NonBlockingOOBTransferImpl.sendReceiverSide () throws OOBException

sendReceiverSide executes the nonBlockingSend method.

#### Exceptions:

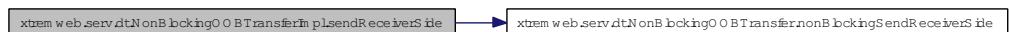
***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 54 of file NonBlockingOOBTransferImpl.java.

References [xtremweb.serv.dt.NonBlockingOOBTransferImpl.\\_isTransferring](#), and [xtremweb.serv.dt.NonBlockingOOBTransfer.nonBlockingSendReceiverSide\(\)](#).

Here is the call graph for this function:



### 5.127.3.5 void xtremweb.serv.dt.NonBlockingOOBTransferImpl.sendSenderSide () throws OOBException

sendSenderSide executes the nonBlockingSend method.

**Exceptions:**

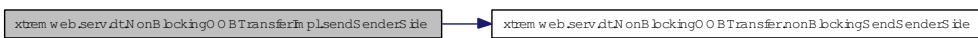
***OOBException*** if an error occurs

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 44 of file NonBlockingOOBTransferImpl.java.

References xtremweb.serv.dt.NonBlockingOOBTransferImpl.\_isTransferring, and xtremweb.serv.dt.NonBlockingOOBTransfer.nonBlockingSendSenderSide().

Here is the call graph for this function:



### 5.127.3.6 void xtremweb.serv.dt.NonBlockingOOBTransferImpl.waitFor()

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 85 of file NonBlockingOOBTransferImpl.java.

References xtremweb.serv.dt.NonBlockingOOBTransferImpl.\_isTransferring, and xtremweb.serv.dt.OOBTransfer.poolTransfer().

Referenced by [xtremweb.serv.dt.bittorrent.BittorrentTransfer.main\(\)](#).

Here is the call graph for this function:



## 5.127.4 Member Data Documentation

### 5.127.4.1 boolean xtremweb.serv.dt.NonBlockingOOBTransferImpl.\_isTransferring = false [protected]

Definition at line 22 of file NonBlockingOOBTransferImpl.java.

Referenced by xtremweb.serv.dt.NonBlockingOOBTransferImpl.isTransferring(), xtremweb.serv.dt.NonBlockingOOBTransferImpl.receiveReceiverSide(), xtremweb.serv.dt.NonBlockingOOBTransferImpl.receiveSenderSide(), xtremweb.serv.dt.NonBlockingOOBTransferImpl.sendReceiverSide(), xtremweb.serv.dt.NonBlockingOOBTransferImpl.sendSenderSide() and xtremweb.serv.dt.NonBlockingOOBTransferImpl.waitFor().

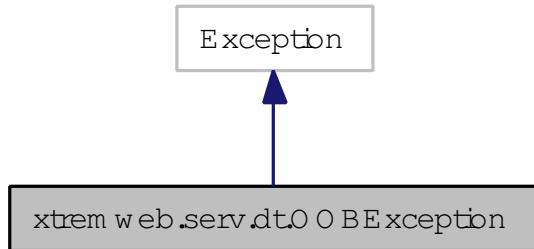
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/[NonBlockingOOBTransferImpl.java](#)

## 5.128 xtremweb.serv.dt.OOBException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.serv.dt.OOBException:



### Public Member Functions

- [OOBException \(String message\)](#)

#### 5.128.1 Detailed Description

[OOBException.java](#)

Created: Sun Apr 9 16:25:27 2006

**Author:**

[Gilles Fedak](#)

**Version:**

1.0

Definition at line 16 of file OOBException.java.

#### 5.128.2 Constructor & Destructor Documentation

##### 5.128.2.1 xtremweb.serv.dt.OOBException (String *message*)

Definition at line 17 of file OOBException.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/[OOBException.java](#)

## 5.129 xtremweb.serv.dt.OOBTransfer Interface Reference

Inherited by [xtremweb.serv.dt.amazonS3.AmazonS3Transfer](#), [xtremweb.serv.dt.bittorrent.BittorrentTransfer](#), [xtremweb.serv.dt.BlockingOOBTransfer](#), [xtremweb.serv.dt.BlockingOOBTransferImpl](#), [xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.ftp.FtpTransfer](#), [xtremweb.serv.dt.http.HttpTransfer](#), [xtremweb.serv.dt.ibp.ibpTransfer](#), [xtremweb.serv.dt.mail.MailTransfer](#), [xtremweb.serv.dt.nio.NioTransfer](#), [xtremweb.serv.dt.NonBlockingOOBTransfer](#), [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#), and [xtremweb.serv.dt.OOBTransferImpl](#).

### Public Member Functions

- void [connect \(\) throws OOBException](#)
- void [sendSenderSide \(\) throws OOBException](#)
- void [sendReceiverSide \(\) throws OOBException](#)
- void [receiveSenderSide \(\) throws OOBException](#)
- void [receiveReceiverSide \(\) throws OOBException](#)
- void [disconnect \(\) throws OOBException](#)
- void [persist \(\)](#)
- boolean [poolTransfer \(\)](#)
- Data [getData \(\)](#)
- Transfer [getTransfer \(\)](#)
- Protocol [getLocalProtocol \(\)](#)
- Protocol [getRemoteProtocol \(\)](#)
- Locator [getLocalLocator \(\)](#)
- Locator [getRemoteLocator \(\)](#)
- boolean [isTransferring \(\)](#)
- void [waitFor \(\)](#)
- boolean [error \(\)](#)

### 5.129.1 Detailed Description

[OOBTransfer](#) is an interface which defines the methods which are necessary to implement when one wants to write a method

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 16 of file OOBTransfer.java.

### 5.129.2 Member Function Documentation

#### 5.129.2.1 void [xtremweb.serv.dt.OOBTransfer.connect \(\) throws OOBException](#)

connect

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.amazonS3.AmazonS3Transfer](#), [xtremweb.serv.dt.bittorrent.BittorrentTransfer](#), [xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.ftp.FtpTransfer](#), [xtremweb.serv.dt.http.HttpTransfer](#), [xtremweb.serv.dt.ibp.ibpTransfer](#), [xtremweb.serv.dt.mail.MailTransfer](#), and [xtremweb.serv.dt.nio.NioTransfer](#).

Referenced by [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

### 5.129.2.2 void xtremweb.serv.dt.OOBTransfer.disconnect () throws OOBException

Describe `disconnect` method here.

**Exceptions:**

*OOBException* if an error occurs

Implemented in [xtremweb.serv.dt.amazonS3.AmazonS3Transfer](#), [xtremweb.serv.dt.bittorrent.BittorrentTransfer](#), [xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.ftp.FtpTransfer](#), [xtremweb.serv.dt.http.HttpTransfer](#), [xtremweb.serv.dt.ibp.ibpTransfer](#), [xtremweb.serv.dt.mail.MailTransfer](#), and [xtremweb.serv.dt.nio.NioTransfer](#).

### 5.129.2.3 boolean xtremweb.serv.dt.OOBTransfer.error ()

Implemented in [xtremweb.serv.dt.OOBTransferImpl](#).

Referenced by [xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide\(\)](#), and [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

### 5.129.2.4 Data xtremweb.serv.dt.OOBTransfer.getData ()

Describe `getData` method here.

**Returns:**

a `Data` value

Implemented in [xtremweb.serv.dt.OOBTransferImpl](#).

Referenced by [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

### 5.129.2.5 Locator xtremweb.serv.dt.OOBTransfer.getLocalLocator ()

Describe `getLocalLocator` method here.

**Returns:**

a `Locator` value

Implemented in [xtremweb.serv.dt.OOBTransferImpl](#).

**5.129.2.6 Protocol `xtremweb.serv.dt.OOBTransfer.getLocalProtocol()`**

Describe `getLocalProtocol` method here.

**Returns:**

a `Protocol` value

Implemented in [xtremweb.serv.dt.OOBTransferImpl](#).

**5.129.2.7 Locator `xtremweb.serv.dt.OOBTransfer.getRemoteLocator()`**

Describe `getRemoteLocator` method here.

**Returns:**

a `Locator` value

Implemented in [xtremweb.serv.dt.OOBTransferImpl](#).

Referenced by `xtremweb.api.transman.TransferManager.checkTransfer()`.

**5.129.2.8 Protocol `xtremweb.serv.dt.OOBTransfer.getRemoteProtocol()`**

Describe `getRemoteProtocol` method here.

**Returns:**

a `Protocol` value

Implemented in [xtremweb.serv.dt.OOBTransferImpl](#).

Referenced by `xtremweb.api.transman.TransferManager.checkTransfer()`.

**5.129.2.9 Transfer `xtremweb.serv.dt.OOBTransfer.getTransfer()`**

Describe `getTransfer` method here.

**Returns:**

a `Transfer` value

Implemented in [xtremweb.serv.dt.OOBTransferImpl](#).

Referenced by `xtremweb.serv.dt.TransferThread.run()`.

**5.129.2.10 boolean `xtremweb.serv.dt.OOBTransfer.isTransferring()`**

Implemented in [xtremweb.serv.dt.BlockingOOBTransferImpl](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#).

**5.129.2.11 void xtremweb.serv.dt.OOBTransfer.persist ()**

Describe persist method here.

Implemented in [xtremweb.serv.dt.OOBTransferImpl](#).

Referenced by xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.serv.dt.OOBTransferFactory.persistOOBTransfer(), xtremweb.serv.dt.Callbackdt.registerTransfer(), and xtremweb.api.transman.TransferManager.registerTransfer().

**5.129.2.12 boolean xtremweb.serv.dt.OOBTransfer.poolTransfer ()**

Describe poolTransfer method here.

**Returns:**

a boolean value

Implemented in [xtremweb.serv.dt.dummy.DummyTransfer](#), and [xtremweb.serv.dt.OOBTransferImpl](#).

Referenced by xtremweb.api.transman.TransferManager.checkTransfer(), xtremweb.serv.dt.NonBlockingOOBTransferImpl.isTransferring(), and xtremweb.serv.dt.NonBlockingOOBTransferImpl.waitForTransfer().

**5.129.2.13 void xtremweb.serv.dt.OOBTransfer.receiveReceiverSide () throws OOBException**

receiveReceiverSide is called by the Receiver whenever a Receive transfer is performed

**Exceptions:**

[\*OOBException\*](#) if an error occurs

Implemented in [xtremweb.serv.dt.BlockingOOBTransferImpl](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#).

Referenced by xtremweb.api.transman.TransferManager.checkTransfer().

**5.129.2.14 void xtremweb.serv.dt.OOBTransfer.receiveSenderSide () throws OOBException**

receiveSenderSide is called by the Sender whenever a Receive transfer is performed

**Exceptions:**

[\*OOBException\*](#) if an error occurs

Implemented in [xtremweb.serv.dt.BlockingOOBTransferImpl](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#).

Referenced by xtremweb.api.transman.TransferManager.checkTransfer().

**5.129.2.15 void xtremweb.serv.dt.OOBTransfer.sendReceiverSide () throws OOBException**

sendReceiverSide is called by the Receiver whenever a Send transfer is performed

**Exceptions:**

[\*OOBException\*](#) if an error occurs

Implemented in [xtremweb.serv.dt.BlockingOOBTransferImpl](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#). Referenced by [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

#### **5.129.2.16 void xtremweb.serv.dt.OOBTransfer.sendSenderSide () throws OOBException**

`sendSenderSide` is called by the Sender whenever a Send transfer is performed

##### **Exceptions:**

*[OOBException](#)* if an error occurs

Implemented in [xtremweb.serv.dt.BlockingOOBTransferImpl](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#). Referenced by [xtremweb.api.transman.TransferManager.checkTransfer\(\)](#).

#### **5.129.2.17 void xtremweb.serv.dt.OOBTransfer.waitFor ()**

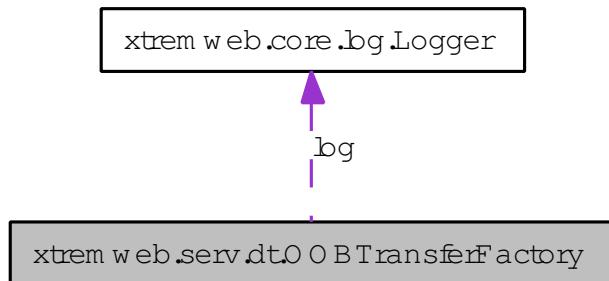
Implemented in [xtremweb.serv.dt.BlockingOOBTransferImpl](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#).

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/[OOBTransfer.java](#)

## 5.130 xtremweb.serv.dt.OOBTransferFactory Class Reference

Collaboration diagram for xtremweb.serv.dt.OOBTransferFactory:



### Public Member Functions

- [OOBTransferFactory \(\)](#)

### Static Public Member Functions

- static [OOBTransfer createOOBTransfer \(Transfer t\)](#) throws OOBException
- static [OOBTransfer createOOBTransfer \(Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp\)](#) throws OOBException
- static void [persistOOBTransfer \(OOBTransfer t\)](#)

### Static Public Attributes

- static [Logger log = LoggerFactory.getLogger\(OOBTransferFactory.class\)](#)

#### 5.130.1 Detailed Description

Class [OOBTransferFactory](#) creates the corresponding [OOBTransfer](#) subclass according to the transfer and protocols.

Created: Thu Feb 22 12:40:37 2007

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 33 of file OOBTransferFactory.java.

## 5.130.2 Constructor & Destructor Documentation

### 5.130.2.1 `xtremweb.serv.dt.OOBTransferFactory.OOBTransferFactory()`

Creates a new `OOBTransferFactory` instance.

Definition at line 41 of file OOBTransferFactory.java.

## 5.130.3 Member Function Documentation

### 5.130.3.1 `static OOBTransfer xtremweb.serv.dt.OOBTransferFactory.createOOBTransfer (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp) throws OOBException [static]`

`createOOBTransfer` creates an `OOBTransfer` from the Transfer, Data, Protocol and Locator. The correct class corresponding to the right protocol is selected (Http, Ftp etc..)

#### Parameters:

`d` a Data value  
`t` a Transfer value  
`rl` a Locator value  
`ll` a Locator value  
`rp` a Protocol value  
`lp` a Protocol value

#### Returns:

an `OOBTransfer` value

#### Exceptions:

`OOBException` if an error occurs

Definition at line 118 of file OOBTransferFactory.java.

### 5.130.3.2 `static OOBTransfer xtremweb.serv.dt.OOBTransferFactory.createOOBTransfer (Transfer t) throws OOBException [static]`

`createOOBTransfer` creates an `OOBTransfer` from a Transfer t. This method will read the data, locators and protocol from the database. An Exception is throwed when some values are missing

#### Parameters:

`t` a Transfer value

#### Returns:

an `OOBTransfer` value

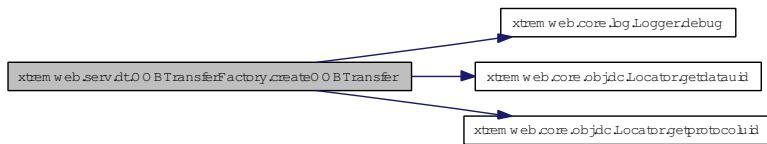
#### Exceptions:

`OOBException` if an error occurs

Definition at line 55 of file OOBTransferFactory.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.obj.dc.Locator.getdatauid(), xtremweb.core.obj.dc.Locator.getprotocoluid(), and xtremweb.serv.dt.OOBTransferFactory.log.

Here is the call graph for this function:



### 5.130.3.3 static void xtremweb.serv.dt.OOBTransferFactory.persistOOBTransfer (OOBTransfer t) [static]

`persistOOBTransfer` persists an [OOBTransfer](#) to the database

**Parameters:**

*t* a Transfer value

Definition at line 155 of file OOBTransferFactory.java.

References xtremweb.serv.dt.OOBTransfer.persist().

Here is the call graph for this function:



## 5.130.4 Member Data Documentation

### 5.130.4.1 Logger xtremweb.serv.dt.OOBTransferFactory.log = LoggerFactory.getLogger(OOBTransferFactory.class) [static]

Definition at line 35 of file OOBTransferFactory.java.

Referenced by xtremweb.serv.dt.OOBTransferFactory.createOOBTransfer().

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

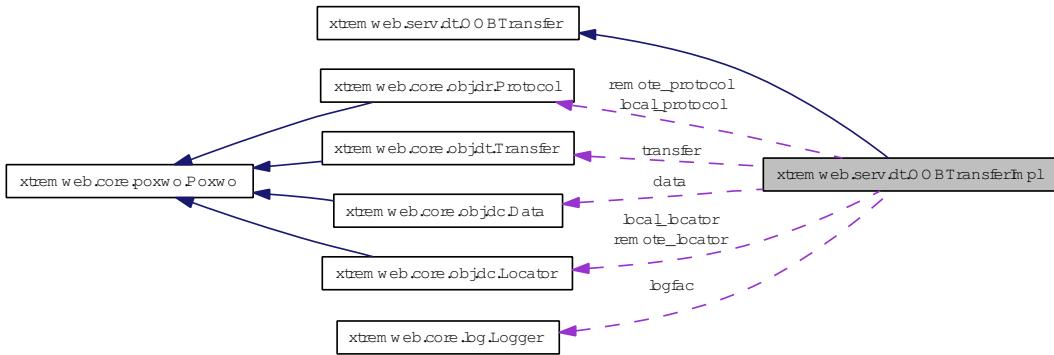
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/[OOBTransferFactory.java](#)

## 5.131 xtremweb.serv.dt.OOBTransferImpl Class Reference

Inherits [xtremweb::serv::dt::OOBTransfer](#).

Inherited by [xtremweb.serv.dt.BlockingOOBTransferImpl](#), and [xtremweb.serv.dt.NonBlockingOOBTransferImpl](#).

Collaboration diagram for [xtremweb.serv.dt.OOBTransferImpl](#):



### Public Member Functions

- `OOBTransferImpl (String tuid)`
- `OOBTransferImpl (Data d, Transfer t, Locator rl, Locator ll, Protocol rp, Protocol lp)`
- `void persist ()`
- `boolean poolTransfer ()`
- `Data getData ()`
- `Transfer getTransfer ()`
- `Locator getLocalLocator ()`
- `Locator getRemoteLocator ()`
- `Protocol getLocalProtocol ()`
- `Protocol getRemoteProtocol ()`
- `boolean error ()`
- `String toString ()`

### Protected Attributes

- `Data data`
- `Transfer transfer`
- `Protocol remote_protocol`
- `Protocol local_protocol`
- `Locator remote_locator`
- `Locator local_locator`
- `boolean error = false`

### Static Protected Attributes

- static `Logger logfac = LoggerFactory.getLogger(OOBTransferImpl.class)`

### 5.131.1 Detailed Description

`OOBTransferImpl` is the abstract class implementing the interface `OOBTransfer`

This class is abstract and could not be used as this. Instead developer should use one of its subclass for instance `FtpTransfer`, `HttpTransfer` which implements the desired Transfer Protocol

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 29 of file `OOBTransferImpl.java`.

### 5.131.2 Constructor & Destructor Documentation

#### 5.131.2.1 xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl (String *tuid*)

Creates a new `OOBTransferImpl` instance.

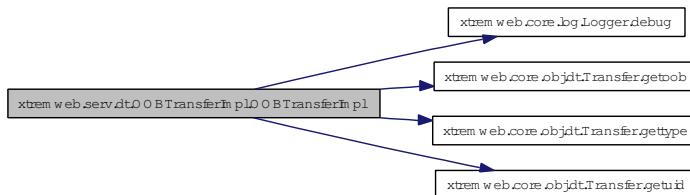
**Parameters:**

*tuid* a `String` value: Transfer unique id

Definition at line 78 of file `OOBTransferImpl.java`.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core.obj.dt.Transfer.getoob()`,  
`xtremweb.core.obj.dt.Transfer.gettype()`, `xtremweb.core.obj.dt.Transfer.getuid()`,  
`xtremweb.serv.dt.OOBTransferImpl.logfac`, and `xtremweb.serv.dt.OOBTransferImpl.transfer`.

Here is the call graph for this function:



#### 5.131.2.2 xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl (Data *d*, Transfer *t*, Locator *rl*, Locator *ll*, Protocol *rp*, Protocol *lp*)

Creates a new `OOBTransferImpl` instance.

**Parameters:**

*d* a `Data` value

*t* a `Transfer` value

*rl* a `Locator` value

*ll* a Locator value  
*rp* a Protocol value  
*lp* a Protocol value

Definition at line 107 of file OOBTransferImpl.java.

References [xtremweb.serv.dt.OOBTransferImpl.data](#), [xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#), [xtremweb.serv.dt.OOBTransferImpl.local\\_protocol](#), [xtremweb.serv.dt.OOBTransferImpl.remote\\_locator](#), [xtremweb.serv.dt.OOBTransferImpl.remote\\_protocol](#), and [xtremweb.serv.dt.OOBTransferImpl.transfer](#).

### 5.131.3 Member Function Documentation

#### 5.131.3.1 boolean [xtremweb.serv.dt.OOBTransferImpl.error](#) ()

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 240 of file OOBTransferImpl.java.

#### 5.131.3.2 Data [xtremweb.serv.dt.OOBTransferImpl.getData](#) ()

getData return data.

##### Returns:

a Data value

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 190 of file OOBTransferImpl.java.

References [xtremweb.serv.dt.OOBTransferImpl.data](#).

#### 5.131.3.3 Locator [xtremweb.serv.dt.OOBTransferImpl.getLocalLocator](#) ()

getLocalLocator return local locator.

##### Returns:

a Locator value

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 208 of file OOBTransferImpl.java.

References [xtremweb.serv.dt.OOBTransferImpl.local\\_locator](#).

#### 5.131.3.4 Protocol [xtremweb.serv.dt.OOBTransferImpl.getLocalProtocol](#) ()

getLocalProtocol return local protocol.

##### Returns:

a Protocol value

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 226 of file OOBTransferImpl.java.

References xtremweb.serv.dt.OOBTransferImpl.local\_protocol.

#### 5.131.3.5 Locator [xtremweb.serv.dt.OOBTransferImpl.getRemoteLocator \(\)](#)

`getRemoteLocator` return remote locator.

##### Returns:

a `Locator` value

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 217 of file OOBTransferImpl.java.

References xtremweb.serv.dt.OOBTransferImpl.remote\_locator.

#### 5.131.3.6 Protocol [xtremweb.serv.dt.OOBTransferImpl.getRemoteProtocol \(\)](#)

`getRemoteProtocol` return remote protocol.

##### Returns:

a `Protocol` value

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 235 of file OOBTransferImpl.java.

References xtremweb.serv.dt.OOBTransferImpl.remote\_protocol.

#### 5.131.3.7 Transfer [xtremweb.serv.dt.OOBTransferImpl.getTransfer \(\)](#)

`getTransfer` return transfer.

##### Returns:

a `Transfer` value

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 199 of file OOBTransferImpl.java.

References xtremweb.serv.dt.OOBTransferImpl.transfer.

#### 5.131.3.8 void [xtremweb.serv.dt.OOBTransferImpl.persist \(\)](#)

`persist` the [OOBTransfer](#) to the local database

Implements [xtremweb.serv.dt.OOBTransfer](#).

Definition at line 119 of file OOBTransferImpl.java.

References xtremweb.serv.dt.OOBTransferImpl.data, xtremweb.core.log.Logger.debug(),  
xtremweb.core.obj.dc.Locator.getuid(), xtremweb.core.obj.dr.Protocol.getuid(),

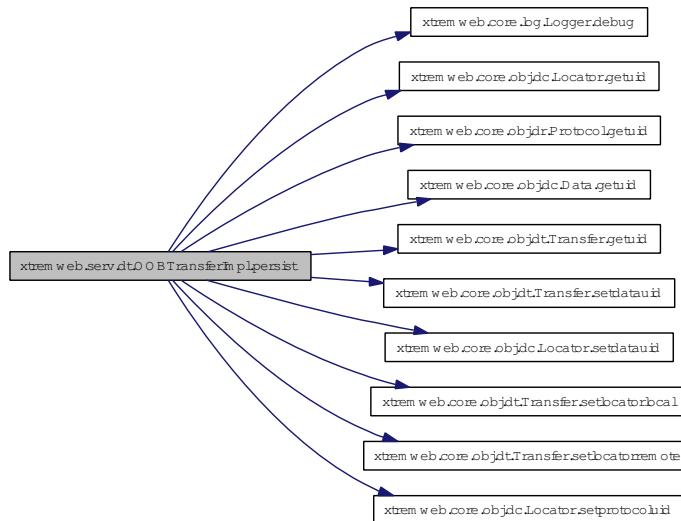
```

xtremweb.core.obj.dc.Data.getuid(),           xtremweb.core.obj.dt.Transfer.getuid(),
xtremweb.serv.dt.OOBTransferImpl.local_locator,  xtremweb.serv.dt.OOBTransferImpl.local_protocol,
xtremweb.serv.dt.OOBTransferImpl.logfac,       xtremweb.serv.dt.OOBTransferImpl.remote_locator,
xtremweb.serv.dt.OOBTransferImpl.remote_protocol,  xtremweb.core.obj.dt.Transfer.setdatauid(),
xtremweb.core.obj.dc.Locator.setdatauid(),      xtremweb.core.obj.dt.Transfer.setlocatorlocal(),
xtremweb.core.obj.dt.Transfer.setlocatorremote(), xtremweb.core.obj.dc.Locator.setprotocoluid(), and
xtremweb.serv.dt.OOBTransferImpl.transfer.

```

Referenced by `xtremweb.serv.dt.mail.MailTransfer.main()`.

Here is the call graph for this function:



### 5.131.3.9 boolean `xtremweb.serv.dt.OOBTransferImpl.poolTransfer()`

`poolTransfer` pools the local file to determine if it has the same characteristic, size and md5 checksum, than the origina data. returns true if the two files are similar, false otherwise .

#### Returns:

a boolean value

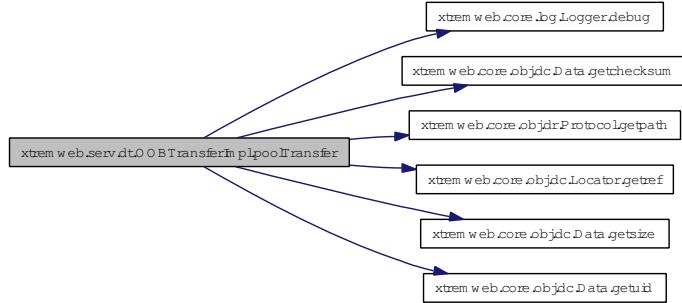
Implements [xtremweb.serv.dt.OOBTransfer](#).

Reimplemented in [xtremweb.serv.dt.dummy.DummyTransfer](#).

Definition at line 168 of file OOBTransferImpl.java.

References	<code>xtremweb.serv.dt.OOBTransferImpl.data</code> ,	<code>xtremweb.core.log.Logger.debug()</code> ,
<code>xtremweb.core.obj.dc.Data.getchecksum()</code> ,	<code>xtremweb.core.obj.dr.Protocol.getpath()</code> ,	<code>xtremweb.core.obj.dc.Data.getsize()</code> ,
<code>xtremweb.core.obj.dc.Locator.getref()</code> ,	<code>xtremweb.serv.dt.OOBTransferImpl.local_locator</code> ,	<code>xtremweb.serv.dt.OOBTransferImpl.local_protocol</code> , and
<code>xtremweb.core.obj.dc.Data.getuid()</code> ,	<code>xtremweb.serv.dt.OOBTransferImpl.logfac</code> .	

Here is the call graph for this function:



### 5.131.3.10 String xtremweb.serv.dt.OOBTransferImpl.toString()

`toString` converts to a string

**Returns:**

a `String` value

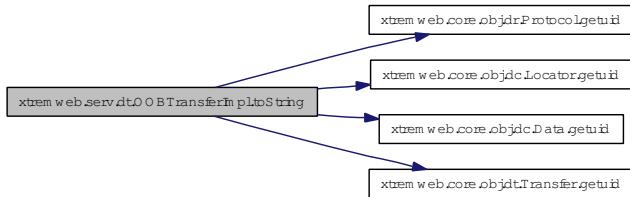
Reimplemented in [xtremweb.serv.dt.dummy.DummyTransfer](#), [xtremweb.serv.dt.http.HttpTransfer](#), and [xtremweb.serv.dt.mail.MailTransfer](#).

Definition at line 249 of file `OOBTransferImpl.java`.

References `xtremweb.serv.dt.OOBTransferImpl.data`, `xtremweb.core.obj.dr.Protocol.getuid()`, `xtremweb.core.obj.dc.Locator.getuid()`, `xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.core.obj.dt.Transfer.getuid()`, `xtremweb.serv.dt.OOBTransferImpl.local_locator`, `xtremweb.serv.dt.OOBTransferImpl.local_protocol`, `xtremweb.serv.dt.OOBTransferImpl.remote_locator`, `xtremweb.serv.dt.OOBTransferImpl.remote_protocol`, and `xtremweb.serv.dt.OOBTransferImpl.transfer`.

Referenced by `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.AmazonS3Transfer()`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.BittorrentTransfer()`, `xtremweb.serv.dt.ftp.FtpTransfer.FtpTransfer()`, `xtremweb.serv.dt.ibp.ibpTransfer.ibpTransfer()`, and `xtremweb.serv.dt.bittorrent.BittorrentTransfer.main()`.

Here is the call graph for this function:



### 5.131.4 Member Data Documentation

#### 5.131.4.1 Data `xtremweb.serv.dt.OOBTransferImpl.data` [protected]

Data `data` is the reference to the data transferred

Definition at line 37 of file `OOBTransferImpl.java`.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide(), xtremweb.serv.dt.OOBTransferImpl.getData(), xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ipb.ipbTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl(), xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.serv.dt.OOBTransferImpl.poolTransfer(), and xtremweb.serv.dt.OOBTransferImpl.toString().

#### 5.131.4.2 boolean **xtremweb.serv.dt.OOBTransferImpl.error = false** [protected]

Definition at line 71 of file OOBTransferImpl.java.

#### 5.131.4.3 Locator **xtremweb.serv.dt.OOBTransferImpl.local\_locator** [protected]

Locator `local_locator` is the locale location of the data.

Definition at line 68 of file OOBTransferImpl.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ipb.ipbTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide(), xtremweb.serv.dt.ipb.ipbTransfer.blockingSendSenderSide(), xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendSenderSide(), xtremweb.serv.dt.OOBTransferImpl.getLocalLocator(), xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ipb.ipbTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.serv.dt.nio.NioTransfer.nonBlockingReceiveReceiverSide(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceiverSide(), xtremweb.serv.dt.nio.NioTransfer.nonBlockingSendSenderSide(), xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl(), xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.serv.dt.OOBTransferImpl.poolTransfer(), and xtremweb.serv.dt.OOBTransferImpl.toString().

#### 5.131.4.4 Protocol **xtremweb.serv.dt.OOBTransferImpl.local\_protocol** [protected]

Protocol `local_protocol` is a reference to the local protocol used to transfer the data. .

Definition at line 56 of file OOBTransferImpl.java.

Referenced by xtremweb.serv.dt.OOBTransferImpl.getLocalProtocol(), xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl(), xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.serv.dt.OOBTransferImpl.poolTransfer(), and xtremweb.serv.dt.OOBTransferImpl.toString().

#### 5.131.4.5 Logger **xtremweb.serv.dt.OOBTransferImpl.logfac = LoggerFactory.getLogger(OOBTransferImpl.class)** [static, protected]

Definition at line 31 of file OOBTransferImpl.java.

Referenced by xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl(), xtremweb.serv.dt.OOBTransferImpl.persist(), and xtremweb.serv.dt.OOBTransferImpl.poolTransfer().

**5.131.4.6 Locator `xtremweb.serv.dt.OOBTransferImpl.remote_locator` [protected]**

Locator `remote_locator` is the remote location of the data.

Definition at line 62 of file OOBTransferImpl.java.

Referenced by `xtremweb.serv.dt.mail.MailTransfer.blockingReceiveReceiverSide()`,  
`xtremweb.serv.dt.ibp.ibpTransfer.blockingReceiveReceiverSide()`, `xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide()`,  
`xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide()`, `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingReceiveReceiverSide()`,  
`xtremweb.serv.dt.mail.MailTransfer.blockingSendSenderSide()`, `xtremweb.serv.dt.ibp.ibpTransfer.blockingSendSenderSide()`,  
`xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide()`, `xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide()`,  
`xtremweb.serv.dt.amazonS3.AmazonS3Transfer.blockingSendSenderSide()`,  
`xtremweb.serv.dt.OOBTransferImpl.getRemoteLocator()`, `xtremweb.serv.dt.mail.MailTransfer.main()`,  
`xtremweb.serv.dt.ibp.ibpTransfer.main()`, `xtremweb.serv.dt.http.HttpTransfer.main()`,  
`xtremweb.serv.dt.ftp.FtpTransfer.main()`, `xtremweb.serv.dt.dummy.DummyTransfer.main()`,  
`xtremweb.serv.dt.bittorrent.BittorrentTransfer.main()`, `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main()`,  
`xtremweb.serv.dt.nio.NioTransfer.niotoString()`, `xtremweb.serv.dt.nio.NioTransfer.nonBlockingReceiveReceiverSide()`,  
`xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceiverSide()`,  
`xtremweb.serv.dt.nio.NioTransfer.nonBlockingSendSenderSide()`, `xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl()`,  
`xtremweb.serv.dt.OOBTransferImpl.persist()`, `xtremweb.serv.dt.OOBTransferImpl.toString()`,  
`xtremweb.serv.dt.mail.MailTransfer.toString()`, `xtremweb.serv.dt.http.HttpTransfer.toString()`, and  
`xtremweb.serv.dt.dummy.DummyTransfer.toString()`.

**5.131.4.7 Protocol `xtremweb.serv.dt.OOBTransferImpl.remote_protocol` [protected]**

Protocol `remote_protocol` is a reference to the remote protocol used to transfer the data.

Definition at line 50 of file OOBTransferImpl.java.

Referenced by `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.amazons3toString()`,  
`xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide()`, `xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide()`,  
`xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide()`, `xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide()`,  
`xtremweb.serv.dt.ftp.FtpTransfer.connect()`, `xtremweb.serv.dt.ftp.FtpTransfer.ftptoString()`,  
`xtremweb.serv.dt.OOBTransferImpl.getRemoteProtocol()`, `xtremweb.serv.dt.ibp.ibpTransfer.ibptoString()`,  
`xtremweb.serv.dt.nio.NioTransfer.niotoString()`, `xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceiverSide()`,  
`xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl()`, `xtremweb.serv.dt.OOBTransferImpl.persist()`,  
`xtremweb.serv.dt.OOBTransferImpl.toString()`, `xtremweb.serv.dt.mail.MailTransfer.toString()`,  
`xtremweb.serv.dt.http.HttpTransfer.toString()`, and `xtremweb.serv.dt.dummy.DummyTransfer.toString()`.

**5.131.4.8 Transfer `xtremweb.serv.dt.OOBTransferImpl.transfer` [protected]**

Transfer `transfer` is the reference to the transfer.

Definition at line 43 of file OOBTransferImpl.java.

Referenced by `xtremweb.serv.dt.amazonS3.AmazonS3Transfer.AmazonS3Transfer()`,  
`xtremweb.serv.dt.bittorrent.BittorrentTransfer.BittorrentTransfer()`, `xtremweb.serv.dt.dummy.DummyTransfer.DummyTransfer()`,  
`xtremweb.serv.dt.ftp.FtpTransfer.FtpTransfer()`, `xtremweb.serv.dt.OOBTransferImpl.getTransfer()`,  
`xtremweb.serv.dt.http.HttpTransfer.HttpTransfer()`, `xtremweb.serv.dt.ibp.ibpTransfer.ibpTransfer()`,  
`xtremweb.serv.dt.mail.MailTransfer.MailTransfer()`, `xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl()`,  
`xtremweb.serv.dt.OOBTransferImpl.persist()`, and `xtremweb.serv.dt.OOBTransferImpl.toString()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/[OOBTransferImpl.java](#)

## 5.132 xtremweb.api.transman.TransferManager.OOBTransferOrder Class Reference

### Public Member Functions

- int [compare](#) (Object p1, Object p2)

#### 5.132.1 Detailed Description

Definition at line 509 of file TransferManager.java.

#### 5.132.2 Member Function Documentation

##### 5.132.2.1 int xtremweb.api.transman.TransferManager.OOBTransferOrder.compare (Object *p1*, Object *p2*)

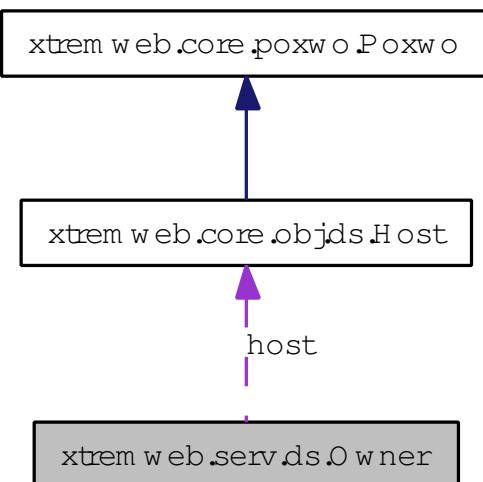
Definition at line 511 of file TransferManager.java.

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

- /Users/fedak/shared/projects/bitmew/trunk-1/src/xtremweb/api/transman/[TransferManager.java](#)

## 5.133 xtremweb.serv.ds.Owner Class Reference

Collaboration diagram for xtremweb.serv.ds.Owner:



### Public Member Functions

- `Owner (Host h)`
- `Host getHost ()`
- `String getuid ()`
- `void updateLastAlive ()`
- `long getLastAlive ()`
- `boolean isLate ()`

### Static Public Member Functions

- static void `setAliveTimeout (long t)`

### Private Attributes

- `Host host`
- `long lastAlive`

### Static Private Attributes

- static long `ALIVETIMEOUT = 10000`

#### 5.133.1 Detailed Description

Definition at line 14 of file `Owner.java`.

### 5.133.2 Constructor & Destructor Documentation

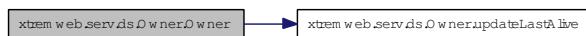
#### 5.133.2.1 `xtremweb.serv.ds.Owner(Host h)`

Creates a new `Owner` instance.

Definition at line 24 of file Owner.java.

References `xtremweb.serv.ds.Owner.host`, and `xtremweb.serv.ds.Owner.updateLastAlive()`.

Here is the call graph for this function:



### 5.133.3 Member Function Documentation

#### 5.133.3.1 Host `xtremweb.serv.ds.Owner.getHost()`

Definition at line 29 of file Owner.java.

References `xtremweb.serv.ds.Owner.host`.

Referenced by `xtremweb.serv.ds.CacheEntry.updateOwners()`.

#### 5.133.3.2 long `xtremweb.serv.ds.Owner.getLastAlive()`

Definition at line 41 of file Owner.java.

References `xtremweb.serv.ds.Owner.lastAlive`.

#### 5.133.3.3 String `xtremweb.serv.ds.Owner.getuid()`

Definition at line 33 of file Owner.java.

References `xtremweb.core.obj.ds.Host.getuid()`, and `xtremweb.serv.ds.Owner.host`.

Here is the call graph for this function:



#### 5.133.3.4 boolean `xtremweb.serv.ds.Owner.isLate()`

Definition at line 45 of file Owner.java.

References `xtremweb.serv.ds.Owner.ALIVETIMEOUT`, and `xtremweb.serv.ds.Owner.lastAlive`.

Referenced by `xtremweb.serv.ds.CacheEntry.updateOwners()`.

#### 5.133.3.5 static void `xtremweb.serv.ds.Owner.setAliveTimeout (long t) [static]`

Definition at line 49 of file Owner.java.

References xtremweb.serv.ds.Owner.ALIVETIMEOUT.

#### 5.133.3.6 void xtremweb.serv.ds.Owner.updateLastAlive ()

Definition at line 37 of file Owner.java.

References xtremweb.serv.ds.Owner.lastAlive.

Referenced by xtremweb.serv.ds.Owner.Owner(), and xtremweb.serv.ds.CacheEntry.updateOwner().

### 5.133.4 Member Data Documentation

#### 5.133.4.1 long xtremweb.serv.ds.Owner.ALIVETIMEOUT = 10000 [static, private]

Definition at line 18 of file Owner.java.

Referenced by xtremweb.serv.ds.Owner.isLate(), and xtremweb.serv.ds.Owner.setAliveTimeout().

#### 5.133.4.2 Host xtremweb.serv.ds.Owner.host [private]

Definition at line 16 of file Owner.java.

Referenced by xtremweb.serv.ds.Owner.getHost(), xtremweb.serv.ds.Owner.getuid(), and xtremweb.serv.ds.Owner.Owner().

#### 5.133.4.3 long xtremweb.serv.ds.Owner.lastAlive [private]

Definition at line 17 of file Owner.java.

Referenced by xtremweb.serv.ds.Owner.getLastAlive(), xtremweb.serv.ds.Owner.isLate(), and xtremweb.serv.ds.Owner.updateLastAlive().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/[Owner.java](#)

## 5.134 xtremweb.serv.ds.OwnerComparator Class Reference

### Public Member Functions

- int [compare](#) (Object p1, Object p2)

#### 5.134.1 Detailed Description

Describe class [OwnerComparator](#) here.

Created: Sun Oct 21 18:08:01 2007

##### Author:

[Gilles Fedak](#)

##### Version:

1.0

Definition at line 15 of file OwnerComparator.java.

#### 5.134.2 Member Function Documentation

##### 5.134.2.1 int xtremweb.serv.ds.OwnerComparator.compare (Object *p1*, Object *p2*)

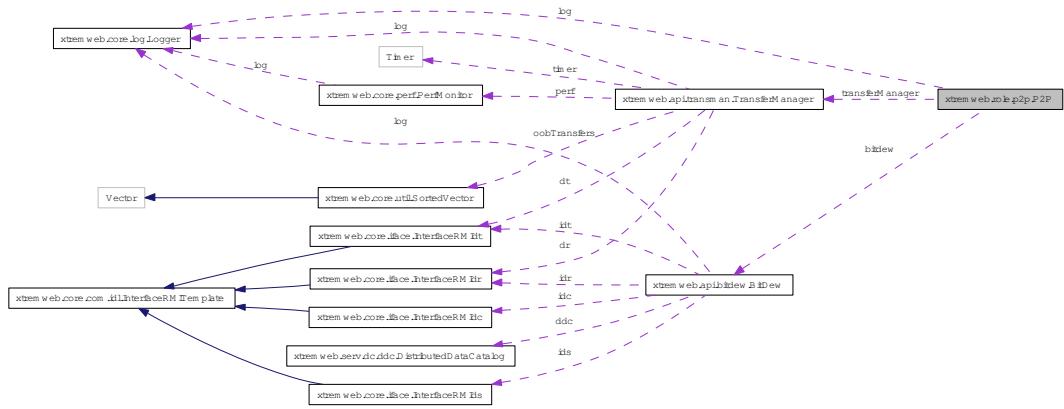
Definition at line 17 of file OwnerComparator.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/ds/[OwnerComparator.java](#)

## 5.135 xtremweb.role.p2p.P2P Class Reference

## Collaboration diagram for xtremweb.role.p2p.P2P:



## Public Member Functions

- P2P (String[ ] args)
  - void mainLoop ()

## Static Public Member Functions

- static void main (String[ ] args)

## Package Attributes

- `Logger log = LoggerFactory.getLogger("P2P")`

## Private Attributes

- BitDew `bitdew`
  - TransferManager `transferManager`
  - String `hostName`
  - int `port`
  - String `dir`

## Static Private Attributes

- static int **DEFAULT\_PORT** = 4325

### 5.135.1 Detailed Description

P2P.

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 23 of file P2P.java.

### 5.135.2 Constructor & Destructor Documentation

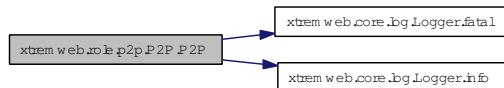
#### 5.135.2.1 `xtremweb.role.p2p.P2P.P2P (String[ ] args)`

Definition at line 37 of file P2P.java.

References xtremweb.role.p2p.P2P.DEFAULT\_PORT, xtremweb.role.p2p.P2P.dir, xtremweb.core.log.Logger.fatal(), xtremweb.role.p2p.P2P.hostName, xtremweb.core.log.Logger.info(), xtremweb.role.p2p.P2P.log, and xtremweb.role.p2p.P2P.port.

Referenced by xtremweb.role.p2p.P2P.main().

Here is the call graph for this function:



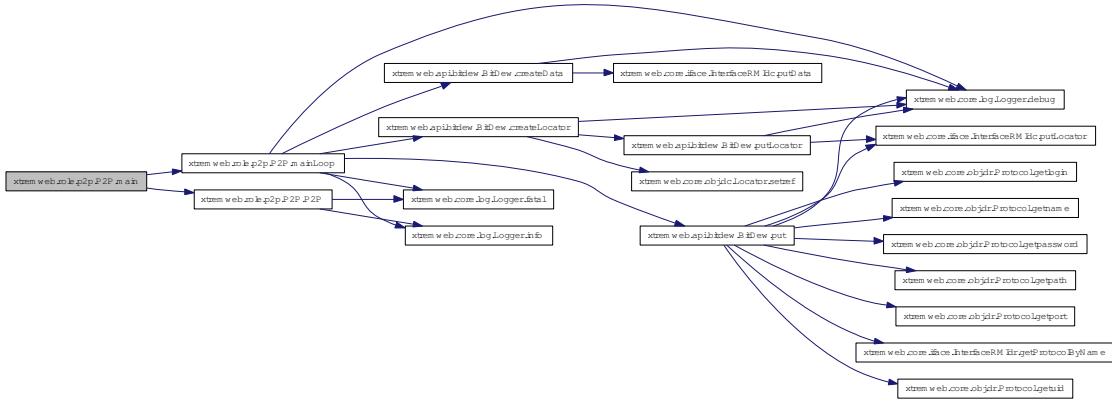
### 5.135.3 Member Function Documentation

#### 5.135.3.1 `static void xtremweb.role.p2p.P2P.main (String[ ] args) [static]`

Definition at line 148 of file P2P.java.

References xtremweb.role.p2p.P2P.mainLoop(), and xtremweb.role.p2p.P2P.P2P().

Here is the call graph for this function:



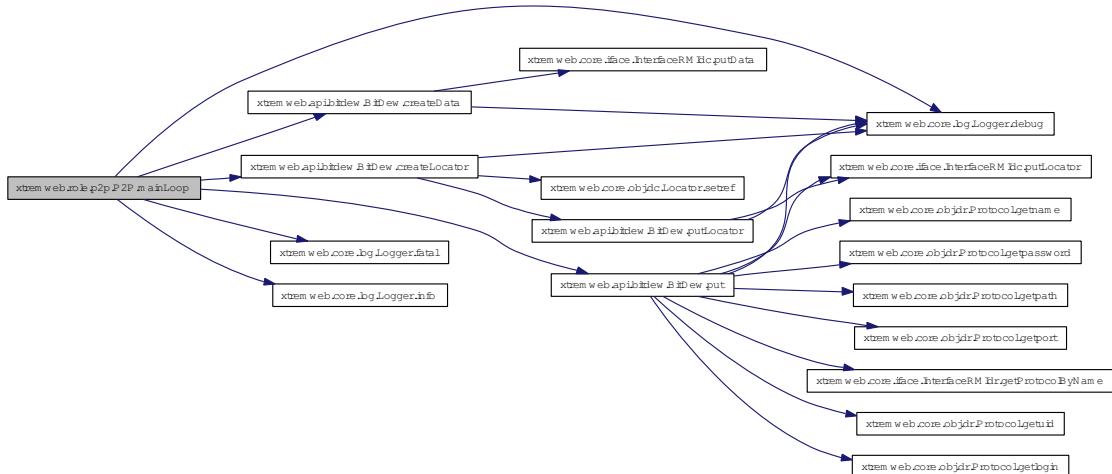
### 5.135.3.2 void xtremweb.role.p2p.P2P.mainLoop ()

Definition at line 69 of file P2P.java.

References      [xtremweb.role.p2p.P2P.bitdew](#), [xtremweb.api.bitdew.BitDew.createData\(\)](#),  
[xtremweb.api.bitdew.BitDew.createLocator\(\)](#), [xtremweb.core.log.Logger.debug\(\)](#),  
[xtremweb.role.p2p.P2P.dir](#), [xtremweb.core.log.Logger.fatal\(\)](#), [xtremweb.role.p2p.P2P.hostName](#),  
[xtremweb.core.log.Logger.info\(\)](#), [xtremweb.role.p2p.P2P.log](#), [xtremweb.role.p2p.P2P.port](#), and  
[xtremweb.api.bitdew.BitDew.put\(\)](#).

Referenced by [xtremweb.role.p2p.P2P.main\(\)](#).

Here is the call graph for this function:



## 5.135.4 Member Data Documentation

### 5.135.4.1 BitDew xtremweb.role.p2p.P2P.bitdew [private]

Definition at line 27 of file P2P.java.

Referenced by xtremweb.role.p2p.P2P.mainLoop().

### 5.135.4.2 int xtremweb.role.p2p.P2P.DEFAULT\_PORT = 4325 [static, private]

Definition at line 25 of file P2P.java.

Referenced by xtremweb.role.p2p.P2P.P2P().

### 5.135.4.3 String xtremweb.role.p2p.P2P.dir [private]

Definition at line 35 of file P2P.java.

Referenced by xtremweb.role.p2p.P2P.mainLoop(), and xtremweb.role.p2p.P2P.P2P().

### 5.135.4.4 String xtremweb.role.p2p.P2P.hostName [private]

Definition at line 32 of file P2P.java.

Referenced by xtremweb.role.p2p.P2P.mainLoop(), and xtremweb.role.p2p.P2P.P2P().

### 5.135.4.5 Logger xtremweb.role.p2p.P2P.log = LoggerFactory.getLogger("P2P") [package]

Definition at line 30 of file P2P.java.

Referenced by xtremweb.role.p2p.P2P.mainLoop(), and xtremweb.role.p2p.P2P.P2P().

### 5.135.4.6 int xtremweb.role.p2p.P2P.port [private]

Definition at line 33 of file P2P.java.

Referenced by xtremweb.role.p2p.P2P.mainLoop(), and xtremweb.role.p2p.P2P.P2P().

### 5.135.4.7 TransferManager xtremweb.role.p2p.P2P.transferManager [private]

Definition at line 28 of file P2P.java.

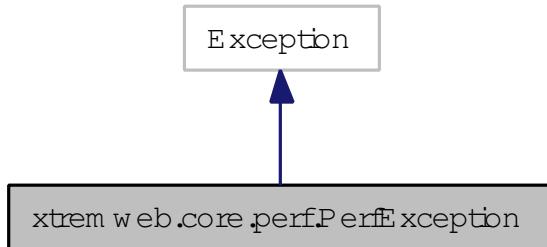
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/p2p/[P2P.java](#)

## 5.136 xtremweb.core.perf.PerfException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.core.perf.PerfException:



### Public Member Functions

- [PerfException \(String message\)](#)

#### 5.136.1 Detailed Description

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 7 of file `PerfException.java`.

#### 5.136.2 Constructor & Destructor Documentation

##### 5.136.2.1 xtremweb.core.perf.PerfException.PerfException (String *message*)

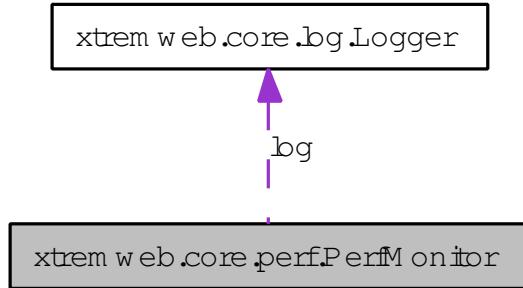
Definition at line 9 of file `PerfException.java`.

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

- [/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/perf/PerfException.java](#)

## 5.137 xtremweb.core.perf.PerfMonitor Class Reference

Collaboration diagram for xtremweb.core.perf.PerfMonitor:



### Public Member Functions

- `PerfMonitor (String title)`
- `PerfMonitor (String title, String serieTitle, int maxSamples)`
- `void addSerie (String serieTitle, int maxSamples) throws PerfException`
- `String getTitle ()`
- `void addSample (long value)`
- `void addSample (String serie, long value)`
- `TimeSeriesCollection getSamples ()`
- `Set< String > getSeries ()`

### Static Public Attributes

- static `Logger log = LoggerFactory.getLogger(PerfMonitor.class)`

### Private Attributes

- `String _title`
- `TimeSeriesCollection _dataset`
- `HashMap< String, TimeSeries > _series`
- `int _nbseries = 0`
- `String _serieName`

### 5.137.1 Detailed Description

`PerfMonitor` implements a Performance Monitor as serie of measures (samples). It is based on the jfree time serie. Each series can easily be displayed through a gui or produced for a report.

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 17 of file `PerfMonitor.java`.

## 5.137.2 Constructor & Destructor Documentation

### 5.137.2.1 `xtremweb.core.perf.PerfMonitor.PerfMonitor (String title)`

Creates a new `Monitor` instance with a title and a fixed number of series, typically number of graphs.

#### Parameters:

`title` a `String` value

Definition at line 41 of file `PerfMonitor.java`.

References `xtremweb.core.perf.PerfMonitor._dataset`, `xtremweb.core.perf.PerfMonitor._series`, and `xtremweb.core.perf.PerfMonitor._title`.

### 5.137.2.2 `xtremweb.core.perf.PerfMonitor.PerfMonitor (String title, String serieTitle, int maxSamples)`

Creates a new `PerfMonitor` instance containing only one serie with a title, the title of the serie and the maximum number of samples .

#### Parameters:

`title` a `String` value

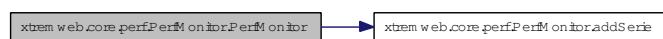
`serieTitle` a `String` value

`maxSamples` an `int` value

Definition at line 56 of file `PerfMonitor.java`.

References `xtremweb.core.perf.PerfMonitor._serieName`, and `xtremweb.core.perf.PerfMonitor.addSerie()`.

Here is the call graph for this function:



## 5.137.3 Member Function Documentation

### 5.137.3.1 `void xtremweb.core.perf.PerfMonitor.addSample (String serie, long value)`

`addSample` adds a new samples to the specified serie.

#### Parameters:

`serie` an `String` value

`value` a `long` value

Definition at line 110 of file `PerfMonitor.java`.

References `xtremweb.core.perf.PerfMonitor._series`, `xtremweb.core.log.Logger.debug()`, and `xtremweb.core.perf.PerfMonitor.log`.

Here is the call graph for this function:



### 5.137.3.2 void xtremweb.core.perf.PerfMonitor.addSample (long value)

addSample add a new sample to the performance monitor. Here we assume a unique serie.

#### Parameters:

*value* a long value

Definition at line 99 of file PerfMonitor.java.

References xtremweb.core.perf.PerfMonitor.\_serieName.

Referenced by xtremweb.core.com.idl.HandlerRMITemplate.addSamples(), and xtremweb.api.transman.TransferManager.checkTransfer().

### 5.137.3.3 void xtremweb.core.perf.PerfMonitor.addSerie (String serieTitle, int maxSamples) throws PerfException

addSerie adds a new serie with a title and a maximum number of samples

#### Parameters:

*serieTitle* a String value

*maxSamples* an int value

#### Returns:

an int value

Definition at line 75 of file PerfMonitor.java.

References xtremweb.core.perf.PerfMonitor.\_dataset, xtremweb.core.perf.PerfMonitor.\_nbseries, and xtremweb.core.perf.PerfMonitor.\_series.

Referenced by xtremweb.core.perf.PerfMonitor.PerfMonitor(), and xtremweb.core.com.idl.HandlerRMITemplate.setupPerfMon()

### 5.137.3.4 TimeSeriesCollection xtremweb.core.perf.PerfMonitor.getSamples ()

Definition at line 122 of file PerfMonitor.java.

References xtremweb.core.perf.PerfMonitor.\_dataset.

### 5.137.3.5 Set<String> xtremweb.core.perf.PerfMonitor.getSeries ()

Definition at line 126 of file PerfMonitor.java.

References xtremweb.core.perf.PerfMonitor.\_series.

**5.137.3.6 String xtremweb.core.perf.PerfMonitor.getTitle ()**

getTitle return the title of this performance monitor.

**Returns:**

a String value

Definition at line 89 of file PerfMonitor.java.

References xtremweb.core.perf.PerfMonitor.\_title.

Referenced by xtremweb.role.ui.GraphServlet doGet().

**5.137.4 Member Data Documentation****5.137.4.1 TimeSeriesCollection xtremweb.core.perf.PerfMonitor.\_dataset [private]**

Definition at line 25 of file PerfMonitor.java.

Referenced by xtremweb.core.perf.PerfMonitor.addSerie(), xtremweb.core.perf.PerfMonitor.getSamples(), and xtremweb.core.perf.PerfMonitor.PerfMonitor().

**5.137.4.2 int xtremweb.core.perf.PerfMonitor.\_nbseries = 0 [private]**

Definition at line 30 of file PerfMonitor.java.

Referenced by xtremweb.core.perf.PerfMonitor.addSerie().

**5.137.4.3 String xtremweb.core.perf.PerfMonitor.\_serieName [private]**

Definition at line 33 of file PerfMonitor.java.

Referenced by xtremweb.core.perf.PerfMonitor.addSample(), and xtremweb.core.perf.PerfMonitor.PerfMonitor().

**5.137.4.4 HashMap<String,TimeSeries> xtremweb.core.perf.PerfMonitor.\_series [private]**

Definition at line 28 of file PerfMonitor.java.

Referenced by xtremweb.core.perf.PerfMonitor.addSample(), xtremweb.core.perf.PerfMonitor.addSerie(), xtremweb.core.perf.PerfMonitor.getSeries(), and xtremweb.core.perf.PerfMonitor.PerfMonitor().

**5.137.4.5 String xtremweb.core.perf.PerfMonitor.\_title [private]**

Definition at line 22 of file PerfMonitor.java.

Referenced by xtremweb.core.perf.PerfMonitor.getTitle(), and xtremweb.core.perf.PerfMonitor.PerfMonitor().

**5.137.4.6 Logger xtremweb.core.perf.PerfMonitor.log = LoggerFactory.getLogger(PerfMonitor.class) [static]**

Definition at line 19 of file PerfMonitor.java.

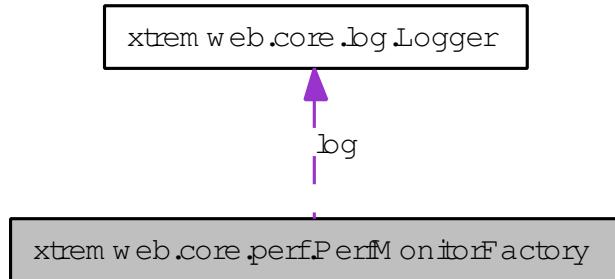
Referenced by xtremweb.core.perf.PerfMonitor.addSample().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/perf/[PerfMonitor.java](#)

## 5.138 xtremweb.core.perf.PerfMonitorFactory Class Reference

Collaboration diagram for xtremweb.core.perf.PerfMonitorFactory:



### Public Member Functions

- [PerfMonitorFactory \(\)](#)

### Static Public Member Functions

- static [PerfMonitor createPerfMonitor \(String name, String serieTitle, int maxSample\)](#)
- static [PerfMonitor createPerfMonitor \(String name\)](#)
- static [PerfMonitor getPerfMonitor \(String name\)](#)
- static Set< String > [browse \(\)](#)

### Static Private Attributes

- static final HashMap< String, [PerfMonitor](#) > [monitors](#) = new HashMap<String,PerfMonitor>()
- static final [Logger log](#) = LoggerFactory.getLogger(PerfMonitorFactory.class)

### 5.138.1 Detailed Description

Definition at line 15 of file PerfMonitorFactory.java.

### 5.138.2 Constructor & Destructor Documentation

#### 5.138.2.1 xtremweb.core.perf.PerfMonitorFactory.PerfMonitorFactory ()

Creates a new [PerfMonitorFactory](#) instance.

Definition at line 23 of file PerfMonitorFactory.java.

### 5.138.3 Member Function Documentation

#### 5.138.3.1 static Set<String> xtremweb.core.perf.PerfMonitorFactory.browse () [static]

Definition at line 46 of file PerfMonitorFactory.java.

References [xtremweb.core.perf.PerfMonitorFactory.monitors](#).

### 5.138.3.2 static PerfMonitor xtremweb.core.perf.PerfMonitorFactory.createPerfMonitor (String name) [static]

Definition at line 34 of file PerfMonitorFactory.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.perf.PerfMonitorFactory.log, and xtremweb.core.perf.PerfMonitorFactory.monitors.

Here is the call graph for this function:

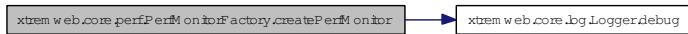


### 5.138.3.3 static PerfMonitor xtremweb.core.perf.PerfMonitorFactory.createPerfMonitor (String name, String serieTitle, int maxSample) [static]

Definition at line 27 of file PerfMonitorFactory.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.perf.PerfMonitorFactory.log, and xtremweb.core.perf.PerfMonitorFactory.monitors.

Here is the call graph for this function:



### 5.138.3.4 static PerfMonitor xtremweb.core.perf.PerfMonitorFactory.getPerfMonitor (String name) [static]

Definition at line 42 of file PerfMonitorFactory.java.

References xtremweb.core.perf.PerfMonitorFactory.monitors.

## 5.138.4 Member Data Documentation

### 5.138.4.1 final Logger xtremweb.core.perf.PerfMonitorFactory.log = LoggerFactory.getLogger(PerfMonitorFactory.class) [static, private]

Definition at line 18 of file PerfMonitorFactory.java.

Referenced by xtremweb.core.perf.PerfMonitorFactory.createPerfMonitor().

### 5.138.4.2 final HashMap<String,PerfMonitor> xtremweb.core.perf.PerfMonitorFactory.monitors = new HashMap<String,PerfMonitor>() [static, private]

Definition at line 17 of file PerfMonitorFactory.java.

Referenced by xtremweb.core.perf.PerfMonitorFactory.browse(), xtremweb.core.perf.PerfMonitorFactory.createPerfMonitor(), and xtremweb.core.perf.PerfMonitorFactory.getPerfMonitor().

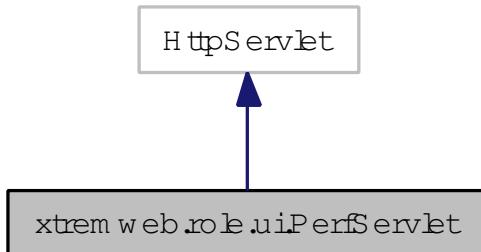
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/perf/[PerfMonitorFactory.java](#)

## 5.139 xtremweb.role.ui.PerfServlet Class Reference

Inherits javax::servlet::http::HttpServlet.

Collaboration diagram for xtremweb.role.ui.PerfServlet:



### Public Member Functions

- [PerfServlet \(\)](#)
- void [doGet](#) (HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException

### Package Attributes

- int [refresh](#) = 3000

#### 5.139.1 Detailed Description

Describe class [PerfServlet](#) here.

Created: Thu Jul 19 15:10:33 2007

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 21 of file `PerfServlet.java`.

#### 5.139.2 Constructor & Destructor Documentation

##### 5.139.2.1 xtremweb.role.ui.PerfServlet.PerfServlet ()

Creates a new [PerfServlet](#) instance.

Definition at line 27 of file `PerfServlet.java`.

### 5.139.3 Member Function Documentation

**5.139.3.1 void xtremweb.role.ui.PerfServlet.doGet (HttpServletRequest *request*, HttpServletResponse *response*) throws ServletException, IOException**

Definition at line 31 of file PerfServlet.java.

References xtremweb.role.ui.PerfServlet.refresh.

### 5.139.4 Member Data Documentation

**5.139.4.1 int xtremweb.role.ui.PerfServlet.refresh = 3000 [package]**

Definition at line 22 of file PerfServlet.java.

Referenced by xtremweb.role.ui.PerfServlet.doGet().

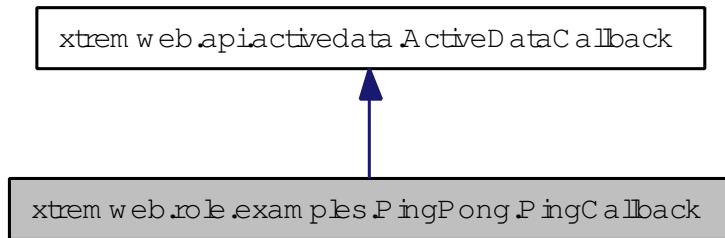
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/ui/[PerfServlet.java](#)

## 5.140 xtremweb.role.examples.PingPong.PingCallback Class Reference

Inherits [xtremweb::api::activedata::ActiveDataCallback](#).

Collaboration diagram for xtremweb.role.examples.PingPong.PingCallback:



### Public Member Functions

- void [onDataScheduled \(Data data, Attribute attr\)](#)
- void [onDataDeleted \(Data data, Attribute attr\)](#)

#### 5.140.1 Detailed Description

[PingCallback](#) handles scheduling of Data.

Definition at line 122 of file PingPong.java.

#### 5.140.2 Member Function Documentation

##### 5.140.2.1 void xtremweb.role.examples.PingPong.PingCallback.onDataDeleted (Data *data*, Attribute *attr*)

`onDataDeleted` will be called when a data is deleted

###### Parameters:

- data* a Data value
- attr* an Attribute value

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

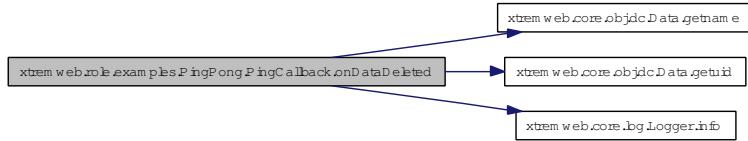
###### Examples:

[PingPong.java](#).

Definition at line 150 of file PingPong.java.

References [xtremweb.core.obj.dc.Data.getname\(\)](#), [xtremweb.core.obj.dc.Data.getuid\(\)](#), [xtremweb.core.log.Logger.info\(\)](#), and [xtremweb.role.examples.PingPong.log](#).

Here is the call graph for this function:



#### 5.140.2.2 void xtremweb.role.examples.PingPong.PingCallback.onDataScheduled (Data data, Attribute attr)

onDataScheduled will be called when a data is received

**Parameters:**

*data* a Data value  
*attr* an Attribute value

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

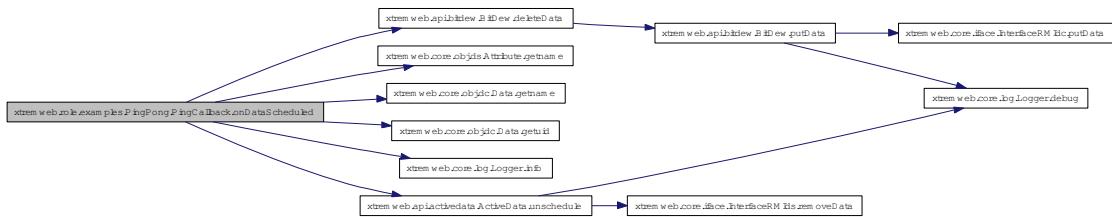
**Examples:**

[PingPong.java](#).

Definition at line 130 of file PingPong.java.

References [xtremweb.role.examples.PingPong.activeData](#), [xtremweb.role.examples.PingPong.bitdew](#), [xtremweb.api.bitdew.BitDew.deleteData\(\)](#), [xtremweb.core.obj.ds.Attribute.getname\(\)](#), [xtremweb.core.obj.objdc.Data.getname\(\)](#), [xtremweb.core.log.Logger.info\(\)](#), [xtremweb.role.examples.PingPong.log](#), [xtremweb.core.obj.objdc.Data.getuid\(\)](#), [xtremweb.core.log.Logger.debug\(\)](#), and [xtremweb.api.activedata.ActiveData.unschedule\(\)](#).

Here is the call graph for this function:

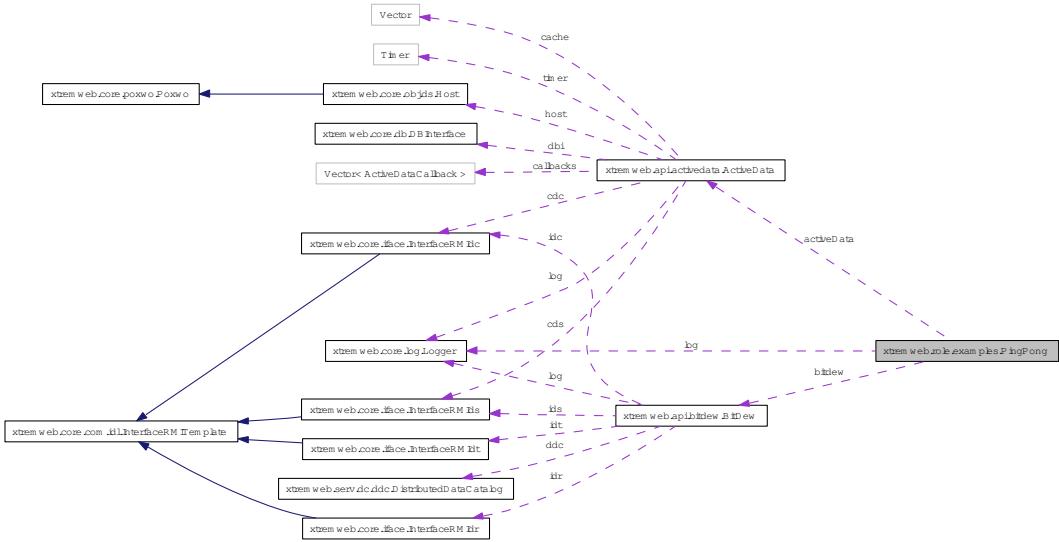


The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[PingPong.java](#)

## 5.141 xtremweb.role.examples.PingPong Class Reference

## Collaboration diagram for xtremweb.role.examples.PingPong:



## Classes

- class `PingCallback`
  - class `PongCallback`

## Public Member Functions

- **PingPong** (String host, int port) throws Exception
  - void **Ping** () throws Exception
  - void **Pong** ()

## Static Public Member Functions

- static void **usage** ()
  - static void **main** (String[ ] args) throws Exception

## Package Attributes

- `Logger log = LoggerFactory.getLogger("PingPong")`
  - `BitDew bitdew`
  - `ActiveData activeData`

### **5.141.1 Detailed Description**

[PingPong](#) shows how to create and delete Data and how to react to data schedule and deletion

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 67 of file PingPong.java.

### 5.141.2 Constructor & Destructor Documentation

#### 5.141.2.1 xtremweb.role.examples.PingPong.PingPong (String *host*, int *port*) throws Exception

Creates a new [PingPong](#) instance.

**Parameters:**

*host* String, the hostName of the dc, dr and ds server

*port* int, port on which the server hould be contacted

**Exceptions:**

*Exception* if an error occurs

**Examples:**

[PingPong.java](#).

Definition at line 81 of file PingPong.java.

References xtremweb.role.examples.PingPong.activeData, and xtremweb.role.examples.PingPong.bitdew.

Referenced by xtremweb.role.examples.PingPong.main().

### 5.141.3 Member Function Documentation

#### 5.141.3.1 static void xtremweb.role.examples.PingPong.main (String[ ] *args*) throws Exception [static]

main method launches [PingPong](#) example

**Parameters:**

*args* a String value

**Exceptions:**

*Exception* if an error occurs

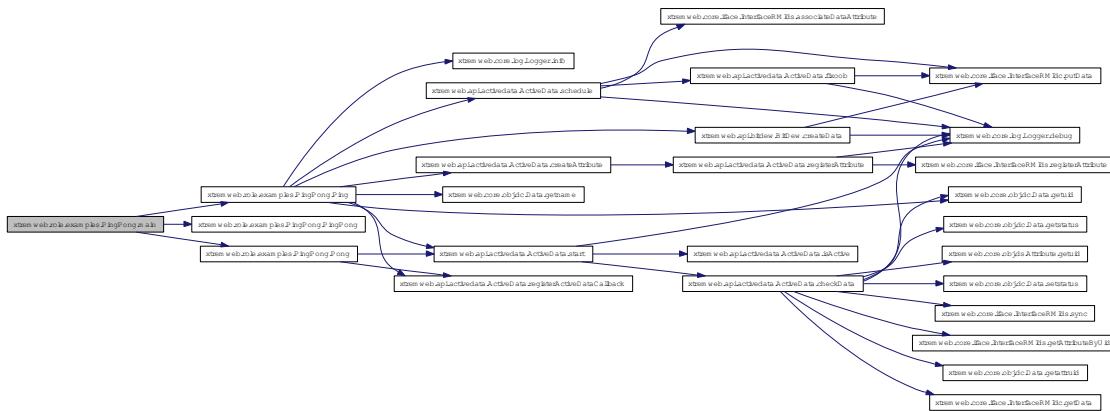
**Examples:**

[PingPong.java](#).

Definition at line 246 of file PingPong.java.

References xtremweb.role.examples.PingPong.Ping(), xtremweb.role.examples.PingPong.PingPong(), and xtremweb.role.examples.PingPong.Pong().

Here is the call graph for this function:



### 5.141.3.2 void xtremweb.role.examples.PingPong.Ping () throws Exception

Ping create a Data Ping and schedule it. Then waits for the Pong data and delete it.

#### Exceptions:

**Exception** if an error occurs

#### Examples:

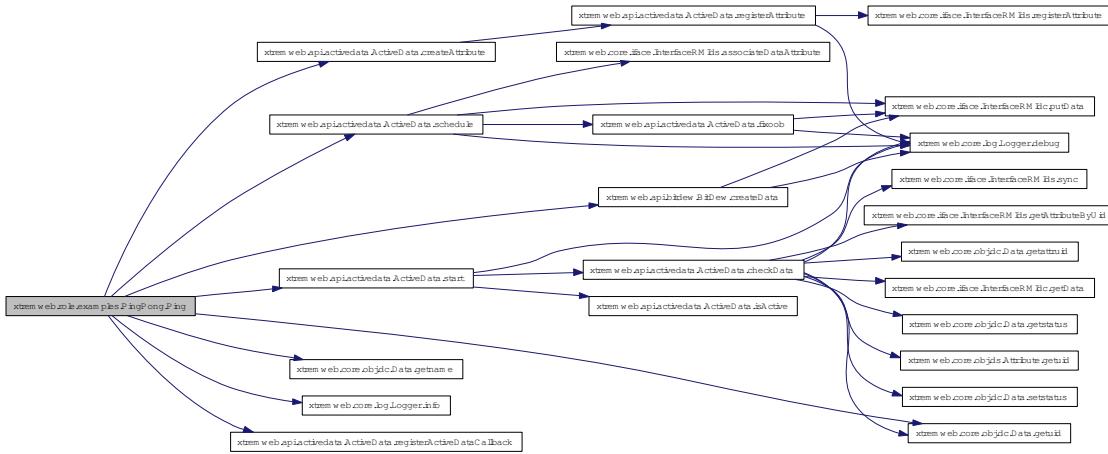
[PingPong.java](#).

Definition at line 98 of file PingPong.java.

References xtremweb.role.examples.PingPong.activeData, xtremweb.role.examples.PingPong.bitdew, xtremweb.api.activedata.ActiveData.createAttribute(), xtremweb.api.bitdew.BitDew.createData(), xtremweb.core.obj.dc.Data.getname(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.core.log.Logger.info(), xtremweb.role.examples.PingPong.log, xtremweb.api.activedata.ActiveData.registerActiveDataCallback(), xtremweb.api.activedata.ActiveData.schedule(), and xtremweb.api.activedata.ActiveData.start().

Referenced by xtremweb.role.examples.PingPong.main().

Here is the call graph for this function:



### 5.141.3.3 void xtremweb.role.examples.PingPong.Pong()

Pong waits for the Ping Data. When Ping is received, it creates and schedule Pong and delete Ping,

**Examples:**

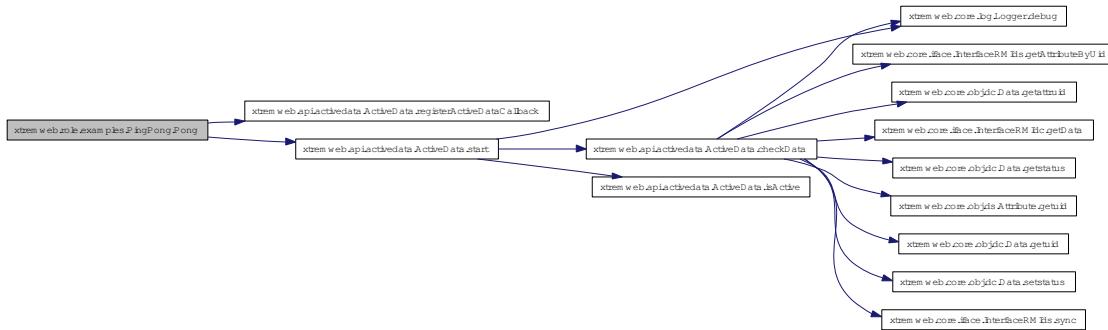
[PingPong.java](#).

Definition at line 160 of file PingPong.java.

References `xtremweb.role.examples.PingPong.activeData`, `xtremweb.role.examples.PingPong.bitdew`, `xtremweb.api.activedata.ActiveData.registerActiveDataCallback()`, and `xtremweb.api.activedata.ActiveData.start()`.

Referenced by `xtremweb.role.examples.PingPong.main()`.

Here is the call graph for this function:



### 5.141.3.4 static void xtremweb.role.examples.PingPong.usage () [static]

usage describes [PingPong](#) usage

**Examples:**

[PingPong.java](#).

Definition at line 235 of file PingPong.java.

### 5.141.4 Member Data Documentation

#### 5.141.4.1 ActiveData xtremweb.role.examples.PingPong.activeData [package]

**Examples:**

[PingPong.java](#).

Definition at line 71 of file PingPong.java.

Referenced by xtremweb.role.examples.PingPong.PingCallback.onDataScheduled(), xtremweb.role.examples.PingPong.Ping(), xtremweb.role.examples.PingPong.PingPong(), and xtremweb.role.examples.PingPong.Pong().

#### 5.141.4.2 BitDew xtremweb.role.examples.PingPong.bitdew [package]

**Examples:**

[PingPong.java](#).

Definition at line 70 of file PingPong.java.

Referenced by xtremweb.role.examples.PingPong.PingCallback.onDataScheduled(), xtremweb.role.examples.PingPong.Ping(), xtremweb.role.examples.PingPong.PingPong(), and xtremweb.role.examples.PingPong.Pong().

#### 5.141.4.3 Logger xtremweb.role.examples.PingPong.log = LoggerFactory.getLogger("PingPong") [package]

**Examples:**

[PingPong.java](#).

Definition at line 69 of file PingPong.java.

Referenced by xtremweb.role.examples.PingPong.PongCallback.onDataDeleted(), xtremweb.role.examples.PingPong.PingCallback.onDataDeleted(), xtremweb.role.examples.PingPong.PongCallback.onDataScheduled(), xtremweb.role.examples.PingPong.PingCallback.onDataScheduled(), and xtremweb.role.examples.PingPong.Ping().

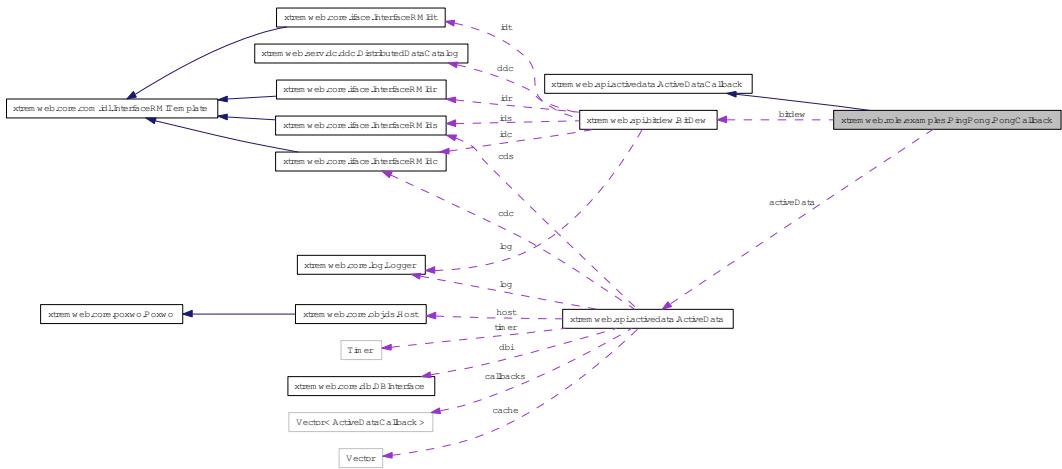
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[PingPong.java](#)

## 5.142 xtremweb.role.examples.PingPong.PongCallback Class Reference

Inherits [xtremweb::api::activedata::ActiveDataCallback](#).

Collaboration diagram for `xtremweb.role.examples.PingPong.PongCallback`:



### Public Member Functions

- `PongCallback (BitDew bd, ActiveData ad)`
- `void onDataScheduled (Data data, Attribute attr)`
- `void onDataDeleted (Data data, Attribute attr)`

### Package Attributes

- `BitDew bitdew`
- `ActiveData activeData`

#### 5.142.1 Detailed Description

`PingPongCallback` handles scheduling of Data.

Definition at line 170 of file `PingPong.java`.

#### 5.142.2 Constructor & Destructor Documentation

##### 5.142.2.1 xtremweb.role.examples.PingPong.PongCallback.PongCallback (BitDew *bd*, ActiveData *ad*)

`PongCallback` will be called when a data is received

#### Parameters:

*bd* a BitDew value

*ad* an ActiveData value

**Examples:**

[PingPong.java](#).

Definition at line 181 of file PingPong.java.

References xtremweb.role.examples.PingPong.PongCallback.activeData, and xtremweb.role.examples.PingPong.PongCallback.bitdew.

### 5.142.3 Member Function Documentation

#### 5.142.3.1 void xtremweb.role.examples.PingPong.PongCallback.onDataDeleted (Data *data*, Attribute *attr*)

onDataDeleted will be called when a data is deleted

**Parameters:**

*data* a Data value  
*attr* an Attribute value

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

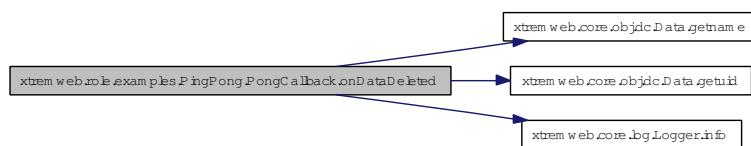
**Examples:**

[PingPong.java](#).

Definition at line 225 of file PingPong.java.

References xtremweb.core.obj.dc.Data.getname(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.core.log.Logger.info(), and xtremweb.role.examples.PingPong.log.

Here is the call graph for this function:



#### 5.142.3.2 void xtremweb.role.examples.PingPong.PongCallback.onDataScheduled (Data *data*, Attribute *attr*)

onDataScheduled will be called when a data is received

**Parameters:**

*data* a Data value  
*attr* an Attribute value

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

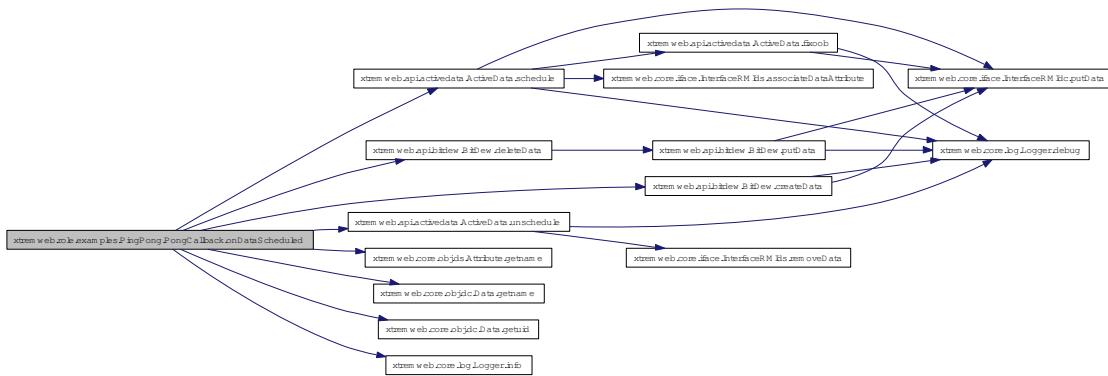
**Examples:**

[PingPong.java](#).

Definition at line 192 of file PingPong.java.

References [xtremweb.role.examples.PingPong.PongCallback.activeData](#),  
[xtremweb.role.examples.PingPong.PongCallback.bitdew](#), [xtremweb.api.bitdew.BitDew.createData\(\)](#),  
[xtremweb.api.bitdew.BitDew.deleteData\(\)](#), [xtremweb.core.obj.ds.Attribute.getName\(\)](#),  
[xtremweb.core.obj.dc.Data.getName\(\)](#), [xtremweb.core.obj.dc.Data.getuid\(\)](#),  
[xtremweb.core.log.Logger.info\(\)](#), [xtremweb.role.examples.PingPong.log](#),  
[xtremweb.api.activedata.ActiveData.schedule\(\)](#), and [xtremweb.api.activedata.ActiveData.unschedule\(\)](#).

Here is the call graph for this function:

**5.142.4 Member Data Documentation****5.142.4.1 ActiveData xtremweb.role.examples.PingPong.PongCallback.activeData [package]****Examples:**

[PingPong.java](#).

Definition at line 173 of file PingPong.java.

Referenced by [xtremweb.role.examples.PingPong.PongCallback.onDataScheduled\(\)](#), and  
[xtremweb.role.examples.PingPong.PongCallback.PongCallback\(\)](#).

**5.142.4.2 BitDew xtremweb.role.examples.PingPong.PongCallback.bitdew [package]****Examples:**

[PingPong.java](#).

Definition at line 172 of file PingPong.java.

Referenced by [xtremweb.role.examples.PingPong.PongCallback.onDataScheduled\(\)](#), and  
[xtremweb.role.examples.PingPong.PongCallback.PongCallback\(\)](#).

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[PingPong.java](#)

## 5.143 xtremweb.core.poxwo.Poxwo Class Reference

Inherited by [xtremweb.core.obj.bench.Resultat](#), [xtremweb.core.obj.dc.Locator](#), [xtremweb.core.obj.dr.Protocol](#), [xtremweb.core.obj.ds.Attribute](#), [xtremweb.core.obj.ds.Host](#), and [xtremweb.core.obj.dt.Transfer](#).

### Public Member Functions

- [Poxwo \(\)](#)
- [Poxwo \(boolean persistFlag\)](#)
- abstract String [getuid \(\)](#)
- abstract void [setuid \(String uid\)](#)
- void [persist \(\)](#)
- void [localPersist \(\)](#)

#### 5.143.1 Detailed Description

Definition at line 15 of file Poxwo.java.

#### 5.143.2 Constructor & Destructor Documentation

##### 5.143.2.1 [xtremweb.core.poxwo.Poxwo.Poxwo \(\)](#)

Creates a new [Poxwo](#) instance.

Definition at line 21 of file Poxwo.java.

##### 5.143.2.2 [xtremweb.core.poxwo.Poxwo.Poxwo \(boolean persistFlag\)](#)

Definition at line 24 of file Poxwo.java.

References [xtremweb.core.poxwo.Poxwo.persist\(\)](#).

Here is the call graph for this function:



#### 5.143.3 Member Function Documentation

##### 5.143.3.1 [abstract String xtremweb.core.poxwo.Poxwo.getuid \(\) \[pure virtual\]](#)

Implemented in [xtremweb.core.obj.bench.Resultat](#), [xtremweb.core.obj.dc.Locator](#), [xtremweb.core.obj.dr.Protocol](#), [xtremweb.core.obj.ds.Attribute](#), [xtremweb.core.obj.ds.Host](#), and [xtremweb.core.obj.dt.Transfer](#).

Referenced by [xtremweb.core.poxwo.PoxwoManager.localPersist\(\)](#).

### 5.143.3.2 void xtremweb.core.poxwo.Poxwo.localPersist ()

Definition at line 36 of file Poxwo.java.

References xtremweb.core.poxwo.Poxwo.persist().

Here is the call graph for this function:



### 5.143.3.3 void xtremweb.core.poxwo.Poxwo.persist ()

Definition at line 32 of file Poxwo.java.

Referenced by xtremweb.core.poxwo.Poxwo.localPersist(), and xtremweb.core.poxwo.Poxwo.Poxwo().

### 5.143.3.4 abstract void xtremweb.core.poxwo.Poxwo.setuid (String uid) [pure virtual]

Implemented in [xtremweb.core.obj.bench.Resultat](#), [xtremweb.core.obj.dc.Data](#), [xtremweb.core.obj.dc.Locator](#), [xtremweb.core.obj.dr.Protocol](#), [xtremweb.core.obj.ds.Attribute](#), [xtremweb.core.obj.ds.Host](#), and [xtremweb.core.obj.dt.Transfer](#).

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/poxwo/[Poxwo.java](#)

## 5.144 xtremweb.core.poxwo.PoxwoManager Class Reference

### Public Member Functions

- [PoxwoManager \(\)](#)

### Static Public Member Functions

- static void [localPersist \(Poxwo obj\)](#)

#### 5.144.1 Detailed Description

Definition at line 22 of file PoxwoManager.java.

#### 5.144.2 Constructor & Destructor Documentation

##### 5.144.2.1 xtremweb.core.poxwo.PoxwoManager.PoxwoManager ()

Creates a new [PoxwoManager](#) instance.

Definition at line 28 of file PoxwoManager.java.

#### 5.144.3 Member Function Documentation

##### 5.144.3.1 static void xtremweb.core.poxwo.PoxwoManager.localPersist (Poxwo *obj*) [static]

Definition at line 31 of file PoxwoManager.java.

References [xtremweb.core.poxwo.Poxwo.getuid\(\)](#).

Here is the call graph for this function:



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

- [/Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/poxwo/PoxwoManager.java](#)

## 5.145 xtremweb.api.transman.Progress Class Reference

### Public Member Functions

- [Progress \(\)](#)

### Private Attributes

- int [status](#)
- int [bytes](#)

#### 5.145.1 Detailed Description

Describe class [Progress](#) here.

Created: Fri Mar 28 22:40:52 2008

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 12 of file Progress.java.

#### 5.145.2 Constructor & Destructor Documentation

##### 5.145.2.1 xtremweb.api.transman.Progress.Progress ()

Creates a new [Progress](#) instance.

Definition at line 20 of file Progress.java.

#### 5.145.3 Member Data Documentation

##### 5.145.3.1 int xtremweb.api.transman.Progress.bytes [private]

Definition at line 15 of file Progress.java.

##### 5.145.3.2 int xtremweb.api.transman.Progress.status [private]

Definition at line 14 of file Progress.java.

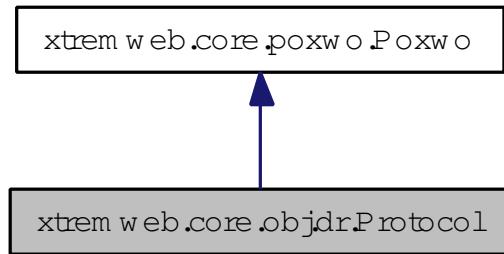
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/transman/[Progress.java](#)

## 5.146 xtremweb.core.obj.dr.Protocol Class Reference

Inherits [xtremweb::core::poxwo::Poxwo](#).

Collaboration diagram for xtremweb.core.obj.dr.Protocol:



### Public Member Functions

- String [getuid\(\)](#)
- void [setuid\(String uid\)](#)
- String [getname\(\)](#)
- void [setname\(String name\)](#)
- String [getserver\(\)](#)
- void [setserver\(String server\)](#)
- int [getport\(\)](#)
- void [setport\(int port\)](#)
- String [getlogin\(\)](#)
- void [setlogin\(String login\)](#)
- String [getpassword\(\)](#)
- void [setpassword\(String password\)](#)
- String [getpath\(\)](#)
- void [setpath\(String path\)](#)

### Private Attributes

- String [uid](#)
- String [name](#)
- String [server](#)
- int [port](#)
- String [login](#)
- String [password](#)
- String [path](#)

### 5.146.1 Detailed Description

#### [Protocol.java](#)

Declaration of object [Protocol](#)

This code is generated with XwIDL from the definition file used TODO

Do not edit this file !

**Author:**

fedak

**Version:**

"1.0"

Definition at line 24 of file Protocol.java.

## 5.146.2 Member Function Documentation

### 5.146.2.1 String xtremweb.core.obj.dr.Protocol.getLogin ()

Definition at line 76 of file Protocol.java.

References xtremweb.core.obj.dr.Protocol.login.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Transfer.amazons3toString(), xtremweb.serv.dt.ftp.FtpTransfer.connect(), xtremweb.serv.dt.ftp.FtpTransfer.ftptoString(), xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dt.ipb.ibpTransfer.ibptoString(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.serv.dt.nio.NioTransfer.niotoString(), xtremweb.serv.dr.Callbackdr.protoToString(), xtremweb.api.bitdew.BitDew.put(), and xtremweb.serv.dt.mail.MailTransfer.toString().

### 5.146.2.2 String xtremweb.core.obj.dr.Protocol.getName ()

Definition at line 55 of file Protocol.java.

References xtremweb.core.obj.dr.Protocol.name.

Referenced by xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dr.Callbackdr.main(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.serv.dr.Callbackdr.protoToString(), and xtremweb.api.bitdew.BitDew.put().

### 5.146.2.3 String xtremweb.core.obj.dr.Protocol.getPassword ()

Definition at line 83 of file Protocol.java.

References xtremweb.core.obj.dr.Protocol.password.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Transfer.amazons3toString(), xtremweb.serv.dt.ftp.FtpTransfer.connect(), xtremweb.serv.dt.ftp.FtpTransfer.ftptoString(), xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dt.ipb.ibpTransfer.ibptoString(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.serv.dt.nio.NioTransfer.niotoString(), xtremweb.serv.dr.Callbackdr.protoToString(), xtremweb.api.bitdew.BitDew.put(), and xtremweb.serv.dt.mail.MailTransfer.toString().

### 5.146.2.4 String xtremweb.core.obj.dr.Protocol.getPath ()

Definition at line 90 of file Protocol.java.

References xtremweb.core.obj.dr.Protocol.path.

Referenced by xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ftp.FtpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.ftp.FtpTransfer.blockingSendSenderSide(),

xtremweb.api.bitdew.BitDew.get(), xtremweb.api.transman.test.TransferManagerTest.main(),  
 xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceiverSide(),  
 xtremweb.serv.dt.OOBTransferImpl.poolTransfer(), xtremweb.api.bitdew.BitDew.put(), and  
 xtremweb.serv.dt.http.HttpTransfer.toString().

#### 5.146.2.5 int xtremweb.core.obj.dr.Protocol.getPort ()

Definition at line 69 of file Protocol.java.

References xtremweb.core.obj.dr.Protocol.port.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Transfer.amazons3toString(),  
 xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide(),  
 xtremweb.serv.dt.ftp.FtpTransfer.connect(), xtremweb.serv.dt.ftp.FtpTransfer.ftptoString(),  
 xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dt.ibp.ibpTransfer.ibptoString(),  
 xtremweb.serv.dr.Callbackdr.main(), xtremweb.api.transman.test.TransferManagerTest.main(),  
 xtremweb.serv.dt.nio.NioTransfer.niotoString(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceiverSide(),  
 xtremweb.serv.dr.Callbackdr.protoToString(), xtremweb.api.bitdew.BitDew.put(),  
 xtremweb.serv.dt.mail.MailTransfer.toString(), xtremweb.serv.dt.http.HttpTransfer.toString(), and  
 xtremweb.serv.dt.dummy.DummyTransfer.toString().

#### 5.146.2.6 String xtremweb.core.obj.dr.Protocol.getServer ()

Definition at line 62 of file Protocol.java.

References xtremweb.core.obj.dr.Protocol.server.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Transfer.amazons3toString(),  
 xtremweb.serv.dt.http.HttpTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.http.HttpTransfer.blockingSendSenderSide(),  
 xtremweb.serv.dt.ftp.FtpTransfer.connect(), xtremweb.serv.dt.ftp.FtpTransfer.ftptoString(),  
 xtremweb.serv.dt.ibp.ibpTransfer.ibptoString(), xtremweb.serv.dr.Callbackdr.protoToString(), and  
 xtremweb.serv.dt.http.HttpTransfer.toString().

#### 5.146.2.7 String xtremweb.core.obj.dr.Protocol.getuid () [virtual]

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 48 of file Protocol.java.

References xtremweb.core.obj.dr.Protocol.uid.

Referenced by xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dr.Callbackdr.getProtocolByUID(),  
 xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ibp.ibpTransfer.main(),  
 xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(),  
 xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(),  
 xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.api.transman.test.TransferManagerTest.main(),  
 xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.api.bitdew.BitDew.put(),  
 xtremweb.serv.dt.Callbackdt.registerTransfer(), and xtremweb.serv.dt.OOBTransferImpl.toString().

#### 5.146.2.8 void xtremweb.core.obj.dr.Protocol.setLogin (String login)

Definition at line 79 of file Protocol.java.

Referenced by xtremweb.serv.dr.Callbackdr.Callbackdr(), xtremweb.serv.dt.mail.MailTransfer.main(),  
 xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), and

xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main().

#### 5.146.2.9 void xtremweb.core.obj.dr.Protocol.setname (String *name*)

Definition at line 58 of file Protocol.java.

Referenced by xtremweb.serv.dr.Callbackdr.Callbackdr(), xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.serv.dr.Callbackdr.main(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.api.bitdew.BitDew.put(), and xtremweb.serv.dt.Callbackdt.registerTransfer().

#### 5.146.2.10 void xtremweb.core.obj.dr.Protocol.setPassword (String *password*)

Definition at line 86 of file Protocol.java.

Referenced by xtremweb.serv.dr.Callbackdr.Callbackdr(), xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), and xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main().

#### 5.146.2.11 void xtremweb.core.obj.dr.Protocol.setpath (String *path*)

Definition at line 93 of file Protocol.java.

Referenced by xtremweb.serv.dr.Callbackdr.Callbackdr(), xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), and xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main().

#### 5.146.2.12 void xtremweb.core.obj.dr.Protocol.setport (int *port*)

Definition at line 72 of file Protocol.java.

Referenced by xtremweb.serv.dr.Callbackdr.Callbackdr(), xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.serv.dr.Callbackdr.main(), and xtremweb.serv.dt.bittorrent.BittorrentTransfer.nonBlockingReceiveReceiverSide().

#### 5.146.2.13 void xtremweb.core.obj.dr.Protocol.setserver (String *server*)

Definition at line 65 of file Protocol.java.

Referenced by xtremweb.serv.dr.Callbackdr.Callbackdr(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), and xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main().

#### 5.146.2.14 void xtremweb.core.obj.dr.Protocol.setuid (String *uid*) [virtual]

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 51 of file Protocol.java.

### 5.146.3 Member Data Documentation

#### 5.146.3.1 String xtremweb.core.obj.dr.Protocol.login [private]

Definition at line 40 of file Protocol.java.

Referenced by xtremweb.core.obj.dr.Protocol.getlogin().

#### 5.146.3.2 String xtremweb.core.obj.dr.Protocol.name [private]

Definition at line 31 of file Protocol.java.

Referenced by xtremweb.core.obj.dr.Protocol.getname().

#### 5.146.3.3 String xtremweb.core.obj.dr.Protocol.password [private]

Definition at line 43 of file Protocol.java.

Referenced by xtremweb.core.obj.dr.Protocol.getpassword().

#### 5.146.3.4 String xtremweb.core.obj.dr.Protocol.path [private]

Definition at line 46 of file Protocol.java.

Referenced by xtremweb.core.obj.dr.Protocol.getpath().

#### 5.146.3.5 int xtremweb.core.obj.dr.Protocol.port [private]

Definition at line 37 of file Protocol.java.

Referenced by xtremweb.core.obj.dr.Protocol.getport().

#### 5.146.3.6 String xtremweb.core.obj.dr.Protocol.server [private]

Definition at line 34 of file Protocol.java.

Referenced by xtremweb.core.obj.dr.Protocol.getserver().

#### 5.146.3.7 String xtremweb.core.obj.dr.Protocol.uid [private]

Definition at line 28 of file Protocol.java.

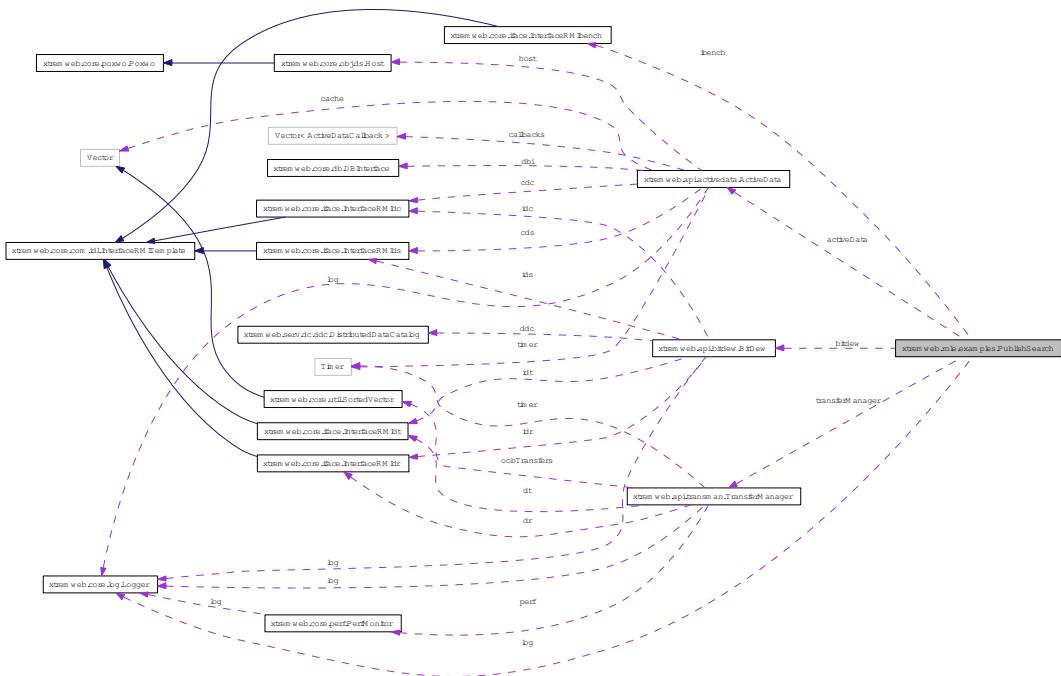
Referenced by xtremweb.core.obj.dr.Protocol.getuid().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/obj/dr/[Protocol.java](#)

## 5.147 xtremweb.role.examples.PublishSearch Class Reference

## Collaboration diagram for xtremweb.role.examples.PublishSearch:



## Public Member Functions

- **PublishSearch** (String host, int port, boolean master, String dir, int w, String mh, int t) throws Exception

## Static Public Member Functions

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

## Package Attributes

- `Logger log = LoggerFactory.getLogger(PublishSearch.class)`
  - `BitDew bitdew = null`
  - `ActiveData activeData = null`
  - `TransferManager transferManager = null`
  - `String _dir`
  - `InterfaceRMIBench ibench = null`
  - `long myrank`
  - `String hostName = "prout"`
  - `int workers`
  - `long start`
  - `long dataScheduled`
  - `long end`

### 5.147.1 Detailed Description

Definition at line 28 of file PublishSearch.java.

### 5.147.2 Constructor & Destructor Documentation

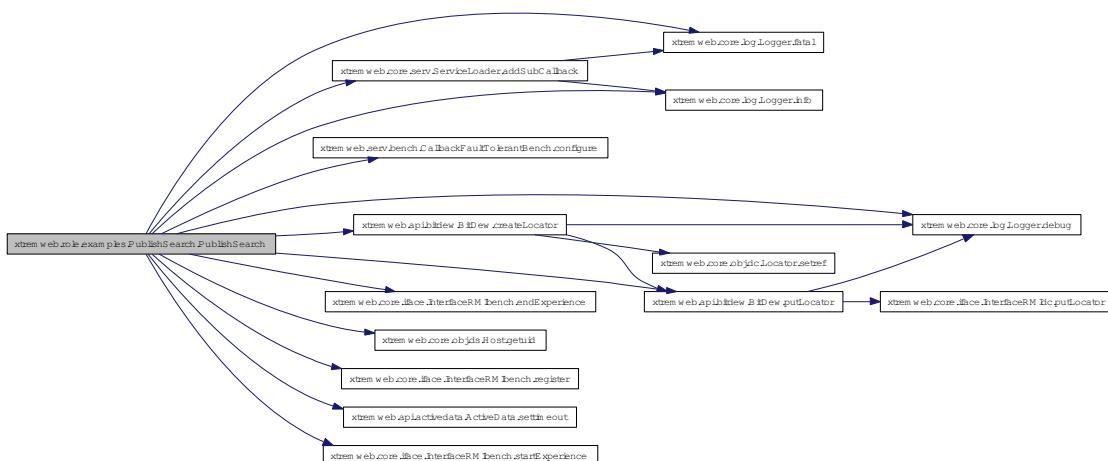
#### 5.147.2.1 `xtremweb.role.examples.PublishSearch.PublishSearch (String host, int port, boolean master, String dir, int w, String mh, int t) throws Exception`

Definition at line 46 of file PublishSearch.java.

References `xtremweb.role.examples.PublishSearch._dir`, `xtremweb.role.examples.PublishSearch.activeData`, `xtremweb.core.serv.ServiceLoader.addSubCallback()`, `xtremweb.role.examples.PublishSearch.bitdew`, `xtremweb.serv.bench.CallbackFaultTolerantBench.configure()`, `xtremweb.api.bitdew.BitDew.createLocator()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.role.examples.PublishSearch.end`, `xtremweb.core iface.InterfaceRMIfibench.endExperience()`, `xtremweb.core.log.Logger.fatal()`, `xtremweb.core.obj.ds.Host.getuid()`, `xtremweb.role.examples.PublishSearch.hostName`, `xtremweb.role.examples.PublishSearch.ibench`, `xtremweb.core.log.Logger.info()`, `xtremweb.role.examples.PublishSearch.log`, `xtremweb.role.examples.PublishSearch.myrank`, `xtremweb.api.bitdew.BitDew.putLocator()`, `xtremweb.core iface.InterfaceRMIfibench.register()`, `xtremweb.api.activedata.ActiveData.setTimeout()`, `xtremweb.role.examples.PublishSearch.start`, `xtremweb.core iface.InterfaceRMIfibench.startExperience()`, and `xtremweb.role.examples.PublishSearch.workers`.

Referenced by `xtremweb.role.examples.PublishSearch.main()`.

Here is the call graph for this function:



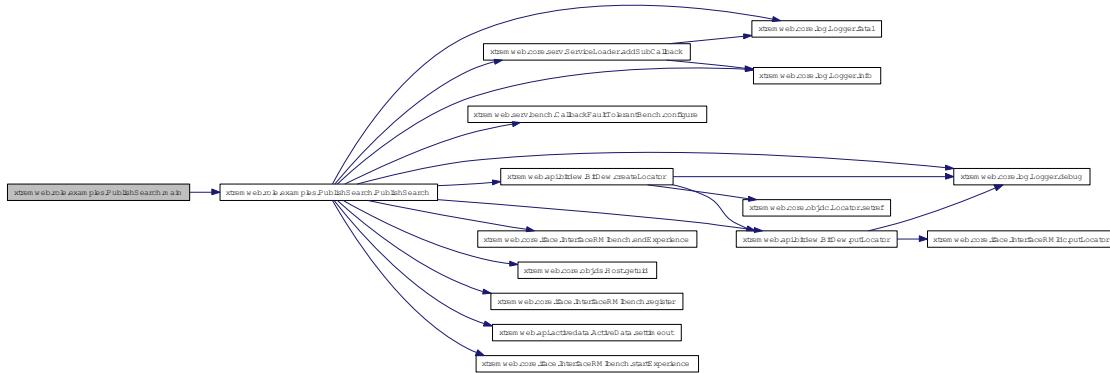
### 5.147.3 Member Function Documentation

#### 5.147.3.1 `static void xtremweb.role.examples.PublishSearch.main (String[] args) throws Exception [static]`

Definition at line 105 of file PublishSearch.java.

References `xtremweb.role.examples.PublishSearch.PublishSearch()`, and `xtremweb.role.examples.PublishSearch.workers`.

Here is the call graph for this function:



## 5.147.4 Member Data Documentation

### 5.147.4.1 String xtremweb.role.examples.PublishSearch.\_dir [package]

Definition at line 34 of file PublishSearch.java.

Referenced by xtremweb.role.examples.PublishSearch.PublishSearch().

### 5.147.4.2 ActiveData xtremweb.role.examples.PublishSearch.activeData = null [package]

Definition at line 32 of file PublishSearch.java.

Referenced by xtremweb.role.examples.PublishSearch.PublishSearch().

### 5.147.4.3 BitDew xtremweb.role.examples.PublishSearch.bitdew = null [package]

Definition at line 31 of file PublishSearch.java.

Referenced by xtremweb.role.examples.PublishSearch.PublishSearch().

### 5.147.4.4 long xtremweb.role.examples.PublishSearch.dataScheduled [package]

Definition at line 43 of file PublishSearch.java.

### 5.147.4.5 long xtremweb.role.examples.PublishSearch.end [package]

Definition at line 44 of file PublishSearch.java.

Referenced by xtremweb.role.examples.PublishSearch.PublishSearch().

### 5.147.4.6 String xtremweb.role.examples.PublishSearch.hostName = "prout" [package]

Definition at line 39 of file PublishSearch.java.

Referenced by xtremweb.role.examples.PublishSearch.PublishSearch().

**5.147.4.7 InterfaceRMIbench xtremweb.role.examples.PublishSearch.ibench = null [package]**

Definition at line 36 of file PublishSearch.java.

Referenced by xtremweb.role.examples.PublishSearch.PublishSearch().

**5.147.4.8 Logger xtremweb.role.examples.PublishSearch.log = LoggerFactory.getLogger(PublishSearch.class) [package]**

Definition at line 30 of file PublishSearch.java.

Referenced by xtremweb.role.examples.PublishSearch.PublishSearch().

**5.147.4.9 long xtremweb.role.examples.PublishSearch.myrank [package]**

Definition at line 37 of file PublishSearch.java.

Referenced by xtremweb.role.examples.PublishSearch.PublishSearch().

**5.147.4.10 long xtremweb.role.examples.PublishSearch.start [package]**

Definition at line 42 of file PublishSearch.java.

Referenced by xtremweb.role.examples.PublishSearch.PublishSearch().

**5.147.4.11 TransferManager xtremweb.role.examples.PublishSearch.transferManager = null [package]**

Definition at line 33 of file PublishSearch.java.

**5.147.4.12 int xtremweb.role.examples.PublishSearch.workers [package]**

Definition at line 40 of file PublishSearch.java.

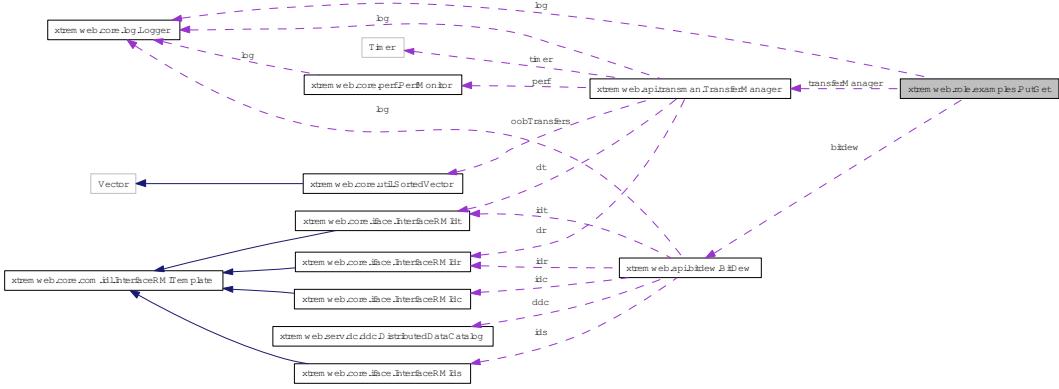
Referenced by xtremweb.role.examples.PublishSearch.main(), and xtremweb.role.examples.PublishSearch.PublishSearch().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[PublishSearch.java](#)

## 5.148 xtremweb.role.examples.PutGet Class Reference

Collaboration diagram for xtremweb.role.examples.PutGet:



### Public Member Functions

- `PutGet` (String host, int port) throws Exception
- void `put` (String fileName) throws Exception
- void `get` (String fileName, String dataUid) throws Exception

### Static Public Member Functions

- static void `usage` ()
- static void `main` (String[ ] args) throws Exception

### Package Attributes

- `Logger log = LoggerFactory.getLogger("PutGet")`

### Private Attributes

- `BitDew bitdew`
- `TransferManager transferManager`

#### 5.148.1 Detailed Description

`PutGet`.

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 19 of file PutGet.java.

## 5.148.2 Constructor & Destructor Documentation

**5.148.2.1 xtremweb.role.examples.PutGet.PutGet (String host, int port) throws Exception**

Creates a new PutGet instance.

## Examples:

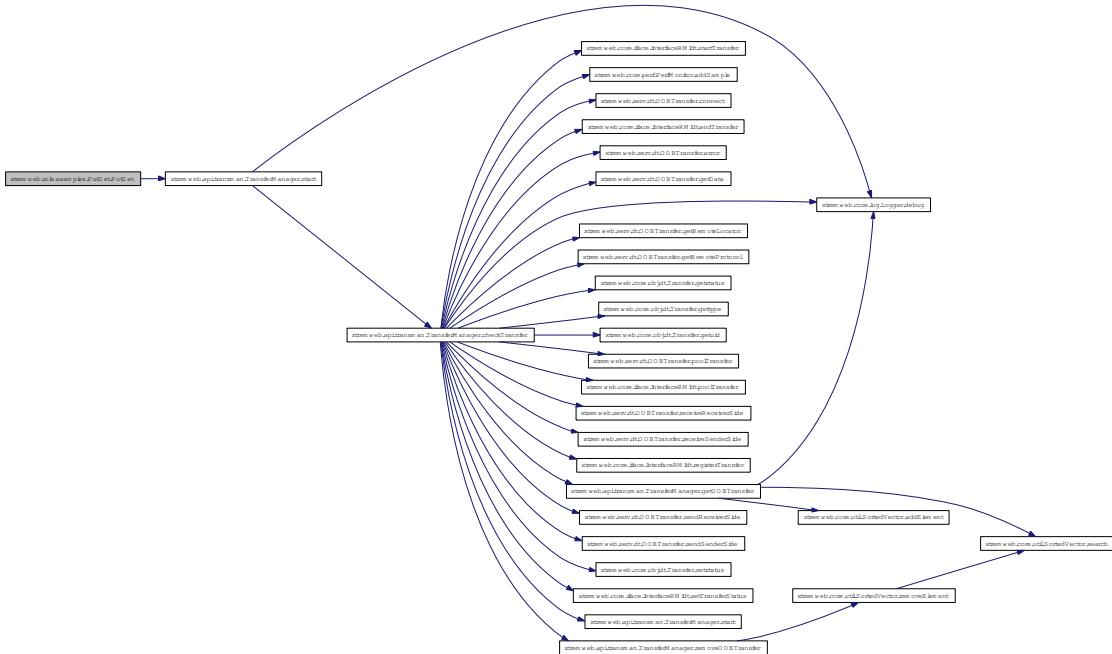
## PutGet.java.

Definition at line 87 of file PutGet.java.

References `xtremweb.role.examples.PutGet.bitdew`, `xtremweb.api.transman.TransferManager.start()`, and `xtremweb.role.examples.PutGet.transferManager`.

Referenced by xtremweb.role.examples.PutGet.main().

Here is the call graph for this function:



### **5.148.3 Member Function Documentation**

**5.148.3.1 void xtremweb.role.examples.PutGet.get (String fileName, String dataUid) throws Exception**

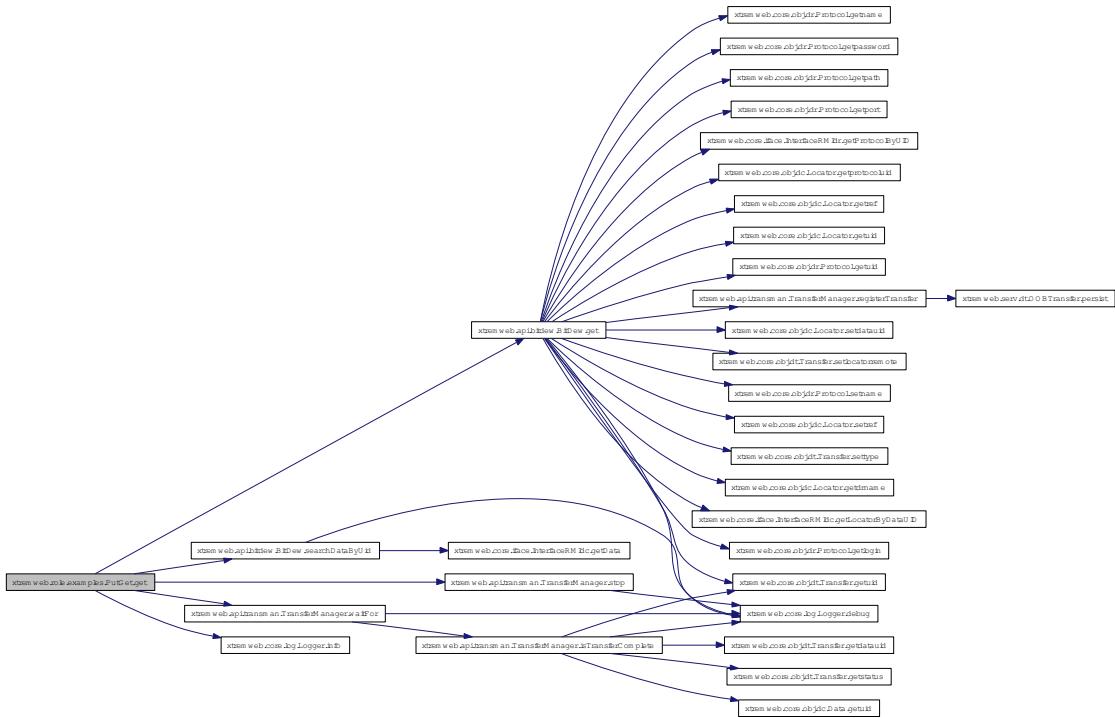
Definition at line 121 of file PutGet.java.

References xtremweb.role.examples.PutGet.bitdew, xtremweb.api.bitdew.BitDew.get(),  
xtremweb.core.log.Logger.info(), xtremweb.role.examples.PutGet.log, xtremweb.api.bitdew.BitDew.searchDataByUid(),

`xtremweb.api.transman.TransferManager.stop()`, `xtremweb.role.examples.PutGet.transferManager`, and `xtremweb.api.transman.TransferManager.waitFor()`.

Referenced by `xtremweb.role.examples.PutGet.main()`.

Here is the call graph for this function:



### 5.148.3.2 static void xtremweb.role.examples.PutGet.main (String[ ] args) throws Exception

[static]

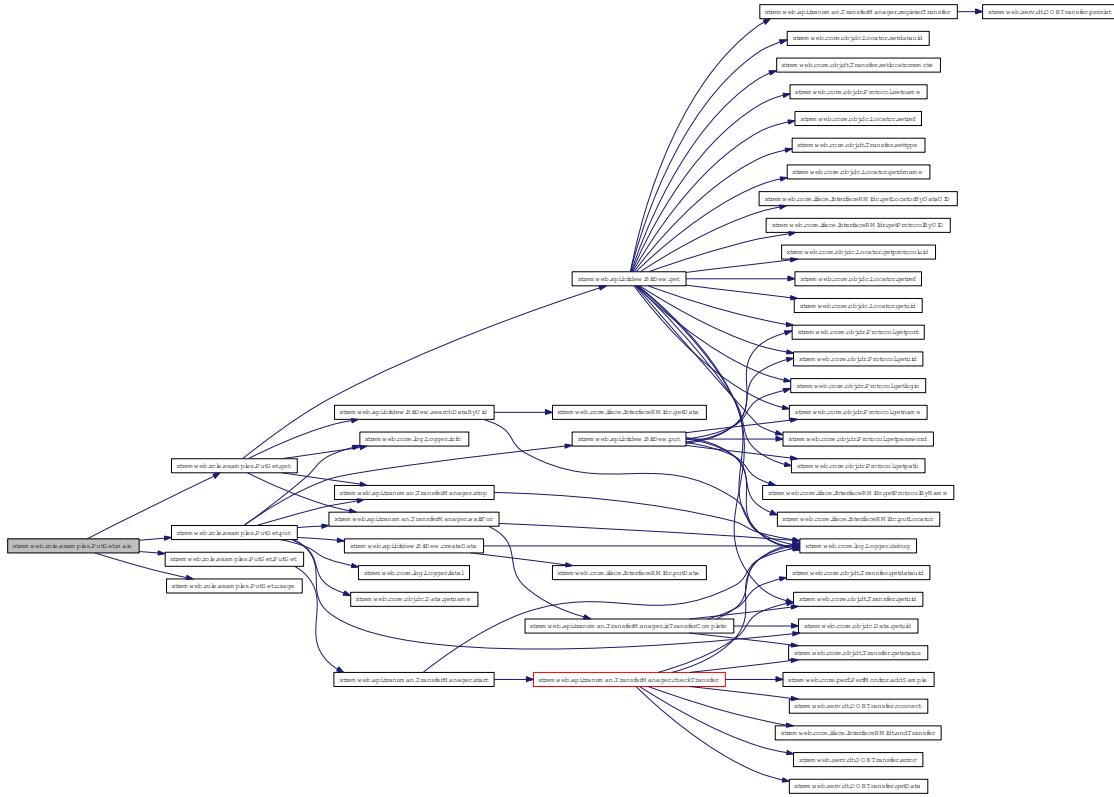
**Examples:**

[PutGet.java](#).

Definition at line 142 of file PutGet.java.

References `xtremweb.role.examples.PutGet.get()`, `xtremweb.role.examples.PutGet.put()`, `xtremweb.role.examples.PutGet.PutGet()`, and `xtremweb.role.examples.PutGet.usage()`.

Here is the call graph for this function:



#### 5.148.3.3 void xtremweb.role.examples.PutGet.put (String fileName) throws Exception

## Examples:

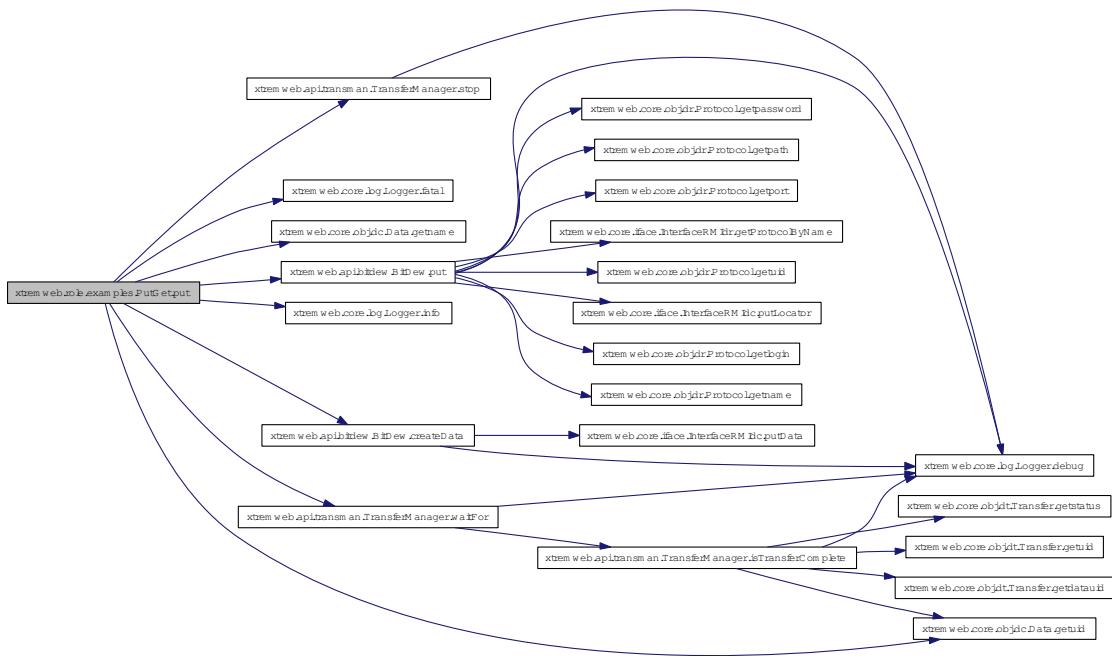
## PutGet.java.

Definition at line 99 of file PutGet.java.

References xtremweb.role.examples.PutGet.bitdew, xtremweb.api.bitdew.BitDew.createData(), xtremweb.core.log.Logger.fatal(), xtremweb.core.obj.dc.Data.getname(), xtremweb.core.obj.dc.Data.getuid(), xtremweb.core.log.Logger.info(), xtremweb.role.examples.PutGet.log, xtremweb.api.bitdew.BitDew.put(), xtremweb.api.transman.TransferManager.stop(), xtremweb.role.examples.PutGet.transferManager, and xtremweb.api.transman.TransferManager.waitFor().

Referenced by xtremweb.role.examples.PutGet.main().

Here is the call graph for this function:



#### 5.148.3.4 static void xtremweb.role.examples.PutGet.usage () [static]

**Examples:**

[PutGet.java](#).

Definition at line 136 of file PutGet.java.

Referenced by [xtremweb.role.examples.PutGet.main\(\)](#).

#### 5.148.4 Member Data Documentation

##### 5.148.4.1 BitDew xtremweb.role.examples.PutGet.bitdew [private]

**Examples:**

[PutGet.java](#).

Definition at line 78 of file PutGet.java.

Referenced by [xtremweb.role.examples.PutGet.get\(\)](#), [xtremweb.role.examples.PutGet.put\(\)](#), and [xtremweb.role.examples.PutGet.PutGet\(\)](#).

**5.148.4.2 Logger xtremweb.role.examples.PutGet.log = LoggerFactory.getLogger("PutGet")**  
[package]

**Examples:**

[PutGet.java](#).

Definition at line 81 of file PutGet.java.

Referenced by xtremweb.role.examples.PutGet.get(), and xtremweb.role.examples.PutGet.put().

**5.148.4.3 TransferManager xtremweb.role.examples.PutGet.transferManager [private]**

**Examples:**

[PutGet.java](#).

Definition at line 79 of file PutGet.java.

Referenced by xtremweb.role.examples.PutGet.get(), xtremweb.role.examples.PutGet.put(), and xtremweb.role.examples.PutGet.PutGet().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[PutGet.java](#)

## 5.149 xtremweb.serv.dt.bittorrent.PythonBittorrentConnector Class Reference

### Public Member Functions

- [PythonBittorrentConnector \(\)](#)

#### 5.149.1 Detailed Description

Describe class [PythonBittorrentConnector](#) here.

Created: Wed Mar 28 11:30:00 2007

##### Author:

[Gilles Fedak](#)

##### Version:

1.0

Definition at line 15 of file PythonBittorrentConnector.java.

#### 5.149.2 Constructor & Destructor Documentation

##### 5.149.2.1 xtremweb.serv.dt.bittorrent.PythonBittorrentConnector.PythonBittorrentConnector ()

Creates a new [PythonBittorrentConnector](#) instance.

Definition at line 21 of file PythonBittorrentConnector.java.

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

- [/Users/fedak/shared/projects/bitmew/trunk-1/src/xtremweb/serv/dt/bittorrent/PythonBittorrentConnector.java](#)

## 5.150 xtremweb.role.reservoir.Reservoir Class Reference

### Public Member Functions

- [Reservoir \(\)](#)

### Static Public Member Functions

- static void [main \(String\[ \] args\)](#)

#### 5.150.1 Detailed Description

Definition at line 17 of file Reservoir.java.

#### 5.150.2 Constructor & Destructor Documentation

##### 5.150.2.1 xtremweb.role.reservoir.Reservoir()

Definition at line 19 of file Reservoir.java.

#### 5.150.3 Member Function Documentation

##### 5.150.3.1 static void xtremweb.role.reservoir.Reservoir.main (String[ ] args) [static]

Definition at line 23 of file Reservoir.java.

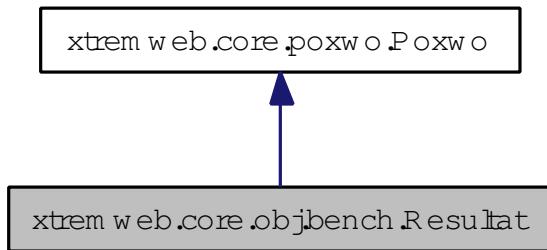
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/reservoir/[Reservoir.java](#)

## 5.151 xtremweb.core.obj.bench.Resultat Class Reference

Inherits [xtremweb::core::poxwo::Poxwo](#).

Collaboration diagram for xtremweb.core.obj.bench.Resultat:



### Public Member Functions

- String [getuid\(\)](#)
- void [setuid\(String uid\)](#)

### Private Attributes

- String [uid](#)

#### 5.151.1 Detailed Description

[Resultat.java](#)

Declaration of object [Resultat](#)

This code is generated with XwIDL from the definition file used TODO

Do not edit this file !

**Author:**

fedak

**Version:**

"1.0"

Definition at line 24 of file Resultat.java.

#### 5.151.2 Member Function Documentation

##### 5.151.2.1 String xtremweb.core.obj.bench.Resultat.getuid () [virtual]

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 30 of file Resultat.java.

References [xtremweb.core.obj.bench.Resultat.uid](#).

**5.151.2.2 void xtremweb.core.obj.bench.Resultat.setuid (String uid) [virtual]**

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 33 of file Resultat.java.

### 5.151.3 Member Data Documentation

**5.151.3.1 String xtremweb.core.obj.bench.Resultat.uid [private]**

Definition at line 28 of file Resultat.java.

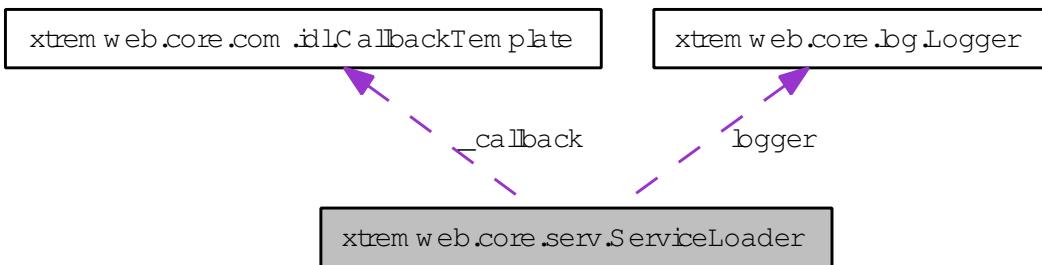
Referenced by [xtremweb.core.obj.bench.Resultat.getuid\(\)](#).

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/obj/bench/[Resultat.java](#)

## 5.152 xtremweb.core.serv.ServiceLoader Class Reference

Collaboration diagram for xtremweb.core.serv.ServiceLoader:



### Public Member Functions

- `ServiceLoader (String medium, int port, String...modules)`
- `ServiceLoader (String medium, int port, List< String > modules)`
- `void addSubCallback (String medium, int port, String module, CallbackTemplate subcb)`

### Private Attributes

- `CallbackTemplate _callback = null`
- `Logger logger = Logger.getLogger("ServiceLoader")`

#### 5.152.1 Detailed Description

Definition at line 18 of file ServiceLoader.java.

#### 5.152.2 Constructor & Destructor Documentation

##### 5.152.2.1 xtremweb.core.serv.ServiceLoader (String *medium*, int *port*, String... *modules*)

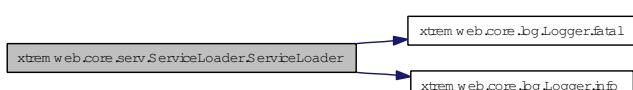
Definition at line 24 of file ServiceLoader.java.

##### 5.152.2.2 xtremweb.core.serv.ServiceLoader (String *medium*, int *port*, List< String > *modules*)

Definition at line 29 of file ServiceLoader.java.

References `xtremweb.core.serv.ServiceLoader._callback`, `xtremweb.core.log.Logger.fatal()`, `xtremweb.core.log.Logger.info()`, and `xtremweb.core.serv.ServiceLoader.logger`.

Here is the call graph for this function:



### 5.152.3 Member Function Documentation

#### 5.152.3.1 void xtremweb.core.serv.ServiceLoader.addSubCallback (String *medium*, int *port*, String *module*, CallbackTemplate *subcb*)

Definition at line 53 of file ServiceLoader.java.

References xtremweb.core.log.Logger.fatal(), xtremweb.core.log.Logger.info(), and xtremweb.core.serv.ServiceLoader.logger.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.Broadcast.Broadcast(), xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), xtremweb.role.blast.Master.main(), xtremweb.role.bench.BenchBroadCastMaster.main(), and xtremweb.role.examples.PublishSearch.PublishSearch().

Here is the call graph for this function:



### 5.152.4 Member Data Documentation

#### 5.152.4.1 CallbackTemplate xtremweb.core.serv.ServiceLoader.\_callback = null [private]

Definition at line 20 of file ServiceLoader.java.

Referenced by xtremweb.core.serv.ServiceLoader.ServiceLoader().

#### 5.152.4.2 Logger xtremweb.core.serv.ServiceLoader.logger = Logger.getLogger("ServiceLoader") [private]

Definition at line 21 of file ServiceLoader.java.

Referenced by xtremweb.core.serv.ServiceLoader.addSubCallback(), and xtremweb.core.serv.ServiceLoader.ServiceLoader().

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

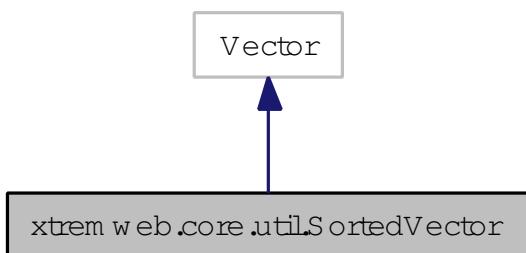
- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/serv/[ServiceLoader.java](#)

## 5.153 xtremweb.core.util.SortedVector Class Reference

Inherits java::util::Vector.

Inherited by [xtremweb.serv.ds.DataQueue](#).

Collaboration diagram for xtremweb.core.util.SortedVector:



### Public Member Functions

- [SortedVector \(Comparator op\)](#)
- void [addElement \(Object objp\)](#)
- int [search \(Object objp\)](#)
- boolean [removeElement \(Object obj\)](#)

### Private Attributes

- Comparator [order](#)

#### 5.153.1 Detailed Description

[SortedVector](#) is a class which keeps the element of the vector sorted. It provides a log2 binary search. The good thing is that it can store any element and can be parametrized with a dedicated comparator.

#### Author:

Gilles Fedak

#### Version:

1.0

Definition at line 15 of file SortedVector.java.

#### 5.153.2 Constructor & Destructor Documentation

##### 5.153.2.1 xtremweb.core.util.SortedVector (Comparator *op*)

Creates a new [SortedVector](#) instance with a comparator as a parameter.

**Parameters:**

*op* a Comparator value

Definition at line 25 of file SortedVector.java.

References xtremweb.core.util.SortedVector.order.

### 5.153.3 Member Function Documentation

#### 5.153.3.1 void xtremweb.core.util.SortedVector.addElement (Object *objp*)

addElement adds an element and ensure that the vector is correctly sorted

**Parameters:**

*objp* an Object value

Definition at line 35 of file SortedVector.java.

References xtremweb.core.util.SortedVector.order.

Referenced by xtremweb.serv.ds.DataScheduler.addDataAttribute(), xtremweb.serv.ds.DataScheduler.associateDataAttribute(), xtremweb.serv.ds.DataScheduler.associateDataAttributeHost(), xtremweb.api.transman.TransferManager.getOOBTransfer(), xtremweb.core.util.test.SortedVectorTest.init(), xtremweb.serv.ds.CacheEntry.setOwner(), xtremweb.core.util.test.SortedVectorTest.testAddSimilar(), xtremweb.serv.ds.test.DataSchedulerTest.testDistrib(), xtremweb.serv.ds.test.DataSchedulerTest.testGetNewDataFromCache(), xtremweb.serv.ds.test.DataSchedulerTest.testRemove() and xtremweb.serv.ds.test.DataSchedulerTest.testSyncData().

#### 5.153.3.2 boolean xtremweb.core.util.SortedVector.removeElement (Object *obj*)

removeElement removes the Element from the [SortedVector](#). A boolean is returned : true if the Object was present in the [SortedVector](#), false otherwise.

**Parameters:**

*obj* an Object value

**Returns:**

a boolean value

Definition at line 88 of file SortedVector.java.

References xtremweb.core.util.SortedVector.search().

Referenced by xtremweb.api.transman.TransferManager.removeOOBTransfer(), xtremweb.serv.ds.CacheEntry.removeOwner(), and xtremweb.core.util.test.SortedVectorTest.testRemove().

Here is the call graph for this function:



**5.153.3.3 int xtremweb.core.util.SortedVector.search (Object *objp*)**

search return the index of the element accordingly to the comparator

**Parameters:**

*objp* an Object value

**Returns:**

an int value

Definition at line 60 of file SortedVector.java.

References xtremweb.core.util.SortedVector.order.

Referenced by xtremweb.serv.ds.test.DataSchedulerTest.assertVectorEquals(), xtremweb.serv.ds.DataScheduler.associateDataAttribute(), xtremweb.serv.ds.DataScheduler.associateDataAttributeHost(), xtremweb.serv.ds.DataScheduler.associateDataHost(), xtremweb.serv.ds.DataScheduler.getNewDataFromCache(), xtremweb.api.transman.TransferManager.getOOBTransfer(), xtremweb.serv.ds.test.DataSchedulerTest.printVector(), xtremweb.serv.ds.DataScheduler.removeData(), xtremweb.serv.ds.DataScheduler.removeDataFromCache(), xtremweb.core.util.SortedVector.removeElement(), xtremweb.serv.ds.test.DataSchedulerTest.searchDataAttributeTest(), xtremweb.serv.ds.test.DataSchedulerTest.searchWronguid(), and xtremweb.serv.ds.CacheEntry.updateOwner().

**5.153.4 Member Data Documentation****5.153.4.1 Comparator xtremweb.core.util.SortedVector.order [private]**

Definition at line 17 of file SortedVector.java.

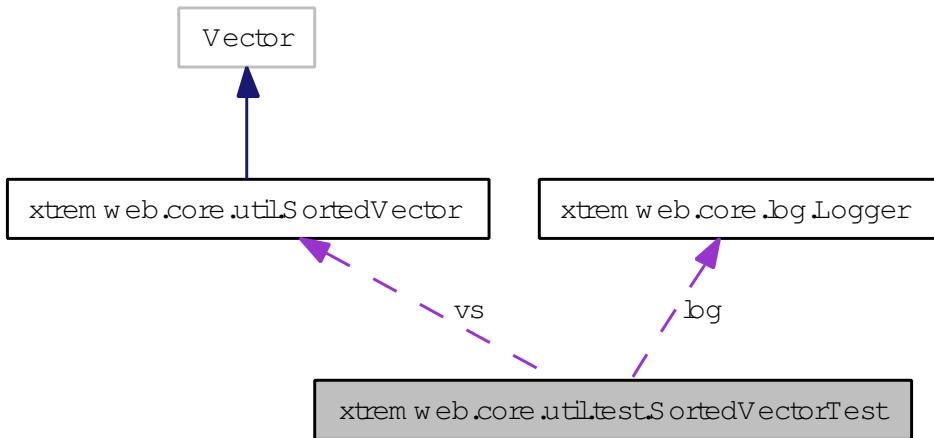
Referenced by xtremweb.core.util.SortedVector.addElement(), xtremweb.core.util.SortedVector.search(), and xtremweb.core.util.SortedVector.SortedVector().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/util/[SortedVector.java](#)

## 5.154 xtremweb.core.util.test.SortedVectorTest Class Reference

Collaboration diagram for xtremweb.core.util.test.SortedVectorTest:



### Classes

- class [ElementsOrder](#)
- class [TestElement](#)

### Public Member Functions

- void `init()`
- void `testAddDifferent()`
- void `testAddSimilar()`
- void `testRemove()`

### Package Attributes

- `Logger log = LoggerFactory.getLogger("Data Scheduler Test")`
- `SortedVector vs = new SortedVector( new ElementsOrder() )`

#### 5.154.1 Detailed Description

Describe class `SortedVectorTest` here.

Created: Mon Oct 22 11:00:28 2007

#### Author:

[Gilles Fedak](#)

#### Version:

1.0

Definition at line 23 of file `SortedVectorTest.java`.

## 5.154.2 Member Function Documentation

### 5.154.2.1 void xtremweb.core.util.test.SortedVectorTest.init()

Definition at line 65 of file SortedVectorTest.java.

References xtremweb.core.util.SortedVector.addElement(), and xtremweb.core.util.test.SortedVectorTest.vs.

Here is the call graph for this function:

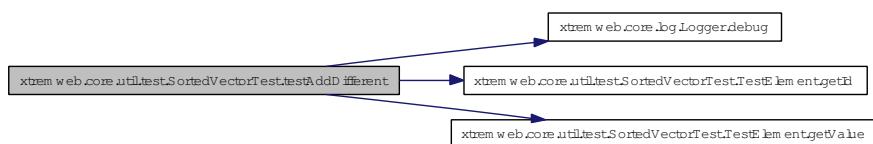


### 5.154.2.2 void xtremweb.core.util.test.SortedVectorTest.testAddDifferent()

Definition at line 71 of file SortedVectorTest.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.util.test.SortedVectorTest.TestElement.getId(), xtremweb.core.util.test.SortedVectorTest.TestElement.getValue(), xtremweb.core.util.test.SortedVectorTest.log, and xtremweb.core.util.test.SortedVectorTest.vs.

Here is the call graph for this function:

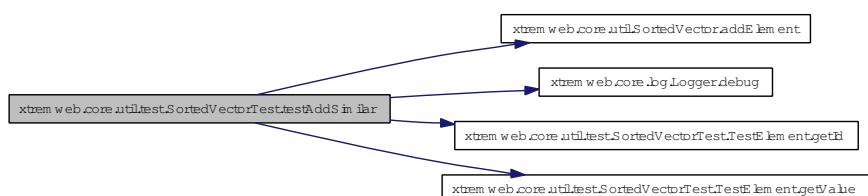


### 5.154.2.3 void xtremweb.core.util.test.SortedVectorTest.testAddSimilar()

Definition at line 82 of file SortedVectorTest.java.

References xtremweb.core.util.SortedVector.addElement(), xtremweb.core.log.Logger.debug(), xtremweb.core.util.test.SortedVectorTest.TestElement.getId(), xtremweb.core.util.test.SortedVectorTest.TestElement.getValue(), xtremweb.core.util.test.SortedVectorTest.log, and xtremweb.core.util.test.SortedVectorTest.vs.

Here is the call graph for this function:

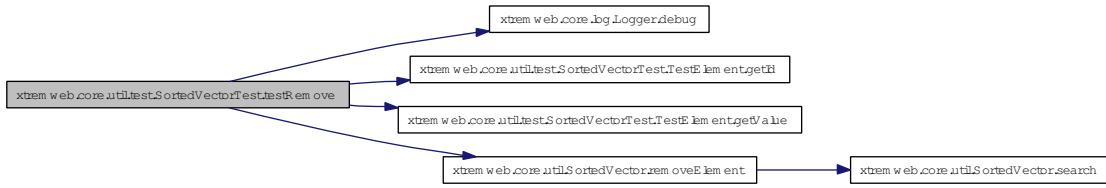


### 5.154.2.4 void xtremweb.core.util.test.SortedVectorTest.testRemove()

Definition at line 94 of file SortedVectorTest.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.util.test.SortedVectorTest.TestElement.getId(), xtremweb.core.util.test.SortedVectorTest.TestElement.getValue(), xtremweb.core.util.test.SortedVectorTest.log, xtremweb.core.util.SortedVector.removeElement(), and xtremweb.core.util.test.SortedVectorTest.vs.

Here is the call graph for this function:



### 5.154.3 Member Data Documentation

#### 5.154.3.1 Logger **xtremweb.core.util.test.SortedVectorTest.log = LoggerFactory.getLogger("Data Scheduler Test")** [package]

Definition at line 25 of file SortedVectorTest.java.

Referenced by xtremweb.core.util.test.SortedVectorTest.testAddDifferent(), xtremweb.core.util.test.SortedVectorTest.testAddSimilar(), and xtremweb.core.util.test.SortedVectorTest.testRemove().

#### 5.154.3.2 SortedVector **xtremweb.core.util.test.SortedVectorTest.vs = new SortedVector( new ElementsOrder() )** [package]

Definition at line 27 of file SortedVectorTest.java.

Referenced by xtremweb.core.util.test.SortedVectorTest.init(), xtremweb.core.util.test.SortedVectorTest.testAddDifferent(), xtremweb.core.util.test.SortedVectorTest.testAddSimilar(), and xtremweb.core.util.test.SortedVectorTest.testRemove().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/util/test/[SortedVectorTest.java](#)

## 5.155 xtremweb.core.util.test.SortedVectorTest.TestElement Class Reference

### Public Member Functions

- `TestElement (String i, String v)`
- `String getId ()`
- `String getValue ()`

### Private Attributes

- `String id`
- `String value`

#### 5.155.1 Detailed Description

Definition at line 29 of file SortedVectorTest.java.

#### 5.155.2 Constructor & Destructor Documentation

##### 5.155.2.1 xtremweb.core.util.test.SortedVectorTest.TestElement (String *i*, String *v*)

Definition at line 33 of file SortedVectorTest.java.

References xtremweb.core.util.test.SortedVectorTest.TestElement.value.

#### 5.155.3 Member Function Documentation

##### 5.155.3.1 String xtremweb.core.util.test.SortedVectorTest.TestElement.getId ()

Definition at line 38 of file SortedVectorTest.java.

References xtremweb.core.util.test.SortedVectorTest.TestElement.id.

Referenced by xtremweb.core.util.test.SortedVectorTest.testAddDifferent(), xtremweb.core.util.test.SortedVectorTest.testAddSimilar(), and xtremweb.core.util.test.SortedVectorTest.testRemove().

##### 5.155.3.2 String xtremweb.core.util.test.SortedVectorTest.TestElement.getValue ()

Definition at line 42 of file SortedVectorTest.java.

References xtremweb.core.util.test.SortedVectorTest.TestElement.value.

Referenced by xtremweb.core.util.test.SortedVectorTest.testAddDifferent(), xtremweb.core.util.test.SortedVectorTest.testAddSimilar(), and xtremweb.core.util.test.SortedVectorTest.testRemove().

#### 5.155.4 Member Data Documentation

##### 5.155.4.1 String xtremweb.core.util.test.SortedVectorTest.TestElement.id [private]

Definition at line 30 of file SortedVectorTest.java.

Referenced by xtremweb.core.util.test.SortedVectorTest.TestElement.getId().

#### 5.155.4.2 String xtremweb.core.util.test.SortedVectorTest.TestElement.value [private]

Definition at line 31 of file SortedVectorTest.java.

Referenced by xtremweb.core.util.test.SortedVectorTest.TestElement.getValue(), and xtremweb.core.util.test.SortedVectorTest.TestElement.TestElement().

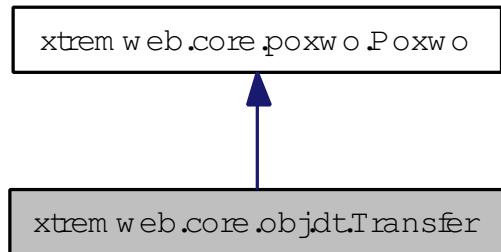
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/util/test/[SortedVectorTest.java](#)

## 5.156 xtremweb.core.obj.dt.Transfer Class Reference

Inherits [xtremweb::core::poxwo::Poxwo](#).

Collaboration diagram for xtremweb.core.obj.dt.Transfer:



### Public Member Functions

- String `getuid()`
- void `setuid(String uid)`
- String `getoob()`
- void `setoob(String oob)`
- String `getdatauid()`
- void `setdatauid(String datauid)`
- String `getlocatorlocal()`
- void `setlocatorlocal(String locatorlocal)`
- String `getlocatorremote()`
- void `setlocatorremote(String locatorremote)`
- int `gettype()`
- void `settype(int type)`
- int `getstatus()`
- void `setstatus(int status)`

### Private Attributes

- String `uid`
- String `oob`
- String `datauid`
- String `locatorlocal`
- String `locatorremote`
- int `type`
- int `status`

### 5.156.1 Detailed Description

[Transfer.java](#)

Declaration of object `Transfer`

This code is generated with XwIDL from the definition file used TODO

Do not edit this file !

**Author:**

fedak

**Version:**

"1.0"

Definition at line 24 of file Transfer.java.

## 5.156.2 Member Function Documentation

### 5.156.2.1 String xtremweb.core.obj.dt.Transfer.getdatauid ()

Definition at line 62 of file Transfer.java.

References xtremweb.core.obj.dt.Transfer.datauid.

Referenced by xtremweb.api.transman.TransferManager.downloadComplete(), and xtremweb.api.transman.TransferManager.isTransferComplete().

### 5.156.2.2 String xtremweb.core.obj.dt.Transfer.getlocatorlocal ()

Definition at line 69 of file Transfer.java.

References xtremweb.core.obj.dt.Transfer.locatorlocal.

### 5.156.2.3 String xtremweb.core.obj.dt.Transfer.getlocatorremote ()

Definition at line 76 of file Transfer.java.

References xtremweb.core.obj.dt.Transfer.locatorremote.

### 5.156.2.4 String xtremweb.core.obj.dt.Transfer.getoob ()

Definition at line 55 of file Transfer.java.

References xtremweb.core.obj.dt.Transfer.oob.

Referenced by xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl().

### 5.156.2.5 int xtremweb.core.obj.dt.Transfer.getstatus ()

Definition at line 90 of file Transfer.java.

References xtremweb.core.obj.dt.Transfer.status.

Referenced by xtremweb.api.transman.TransferManager.checkTransfer(), xtremweb.api.transman.TransferManager.downloadComplete(), xtremweb.api.transman.TransferManager.isTransferComplete() and xtremweb.serv.dt.Callbackdt.poolTransfer().

### 5.156.2.6 int xtremweb.core.obj.dt.Transfer.gettype ()

Definition at line 83 of file Transfer.java.

References xtremweb.core.obj.dt.Transfer.type.

Referenced by xtremweb.api.transman.TransferManager.checkTransfer(), xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl(), and xtremweb.serv.dt.TransferThread.run().

#### 5.156.2.7 String xtremweb.core.obj.dt.Transfer.getuid () [virtual]

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 48 of file Transfer.java.

References xtremweb.core.obj.dt.Transfer.uid.

Referenced by xtremweb.api.transman.TransferManager.checkTransfer(), xtremweb.api.transman.TransferManager.downloadComplete(), xtremweb.api.bitdew.BitDew.get(), xtremweb.api.transman.TransferManager.isTransferComplete(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.serv.dt.OOBTransferImpl.OOBTransferImpl(), xtremweb.serv.dt.OOBTransferImpl.persist(), xtremweb.serv.dt.Callbackdt.poolTransfer(), xtremweb.api.bitdew.BitDew.put(), and xtremweb.serv.dt.OOBTransferImpl.toString().

#### 5.156.2.8 void xtremweb.core.obj.dt.Transfer.setdatauid (String *datauid*)

Definition at line 65 of file Transfer.java.

Referenced by xtremweb.serv.dt.OOBTransferImpl.persist().

#### 5.156.2.9 void xtremweb.core.obj.dt.Transfer.setlocatorlocal (String *locatorlocal*)

Definition at line 72 of file Transfer.java.

Referenced by xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.api.transman.test.TransferManagerTest.main(), and xtremweb.serv.dt.OOBTransferImpl.persist().

#### 5.156.2.10 void xtremweb.core.obj.dt.Transfer.setlocatorremote (String *locatorremote*)

Definition at line 79 of file Transfer.java.

Referenced by xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dt.mail.MailTransfer.main(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.http.HttpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.dummy.DummyTransfer.main(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.serv.dt.OOBTransferImpl.persist(), and xtremweb.api.bitdew.BitDew.put().

#### 5.156.2.11 void xtremweb.core.obj.dt.Transfer.setoob (String *oob*)

Definition at line 58 of file Transfer.java.

Referenced by xtremweb.serv.dt.amazonS3.AmazonS3Transfer.AmazonS3Transfer(), xtremweb.serv.dt.bittorrent.BittorrentTransfer.BittorrentTransfer(), xtremweb.serv.dt.dummy.DummyTransfer.DummyTransfer()

xtremweb.serv.dt.ftp.FtpTransfer.FtpTransfer(), xtremweb.serv.dt.http.HttpTransfer.HttpTransfer(), xtremweb.serv.dt.ibp.ibpTransfer.ibpTransfer(), and xtremweb.serv.dt.mail.MailTransfer.MailTransfer().

#### 5.156.2.12 void xtremweb.core.obj.dt.Transfer.setStatus (int *status*)

Definition at line 93 of file Transfer.java.

Referenced by xtremweb.api.transman.TransferManager.checkTransfer(), and xtremweb.serv.dt.Callbackdt.setTransferStatus().

#### 5.156.2.13 void xtremweb.core.obj.dt.Transfer.setType (int *type*)

Definition at line 86 of file Transfer.java.

Referenced by xtremweb.api.bitdew.BitDew.get(), xtremweb.serv.dt.ibp.ibpTransfer.main(), xtremweb.serv.dt.ftp.FtpTransfer.main(), xtremweb.serv.dt.amazonS3.AmazonS3Transfer.main(), xtremweb.api.transman.test.TransferManagerTest.main(), and xtremweb.api.bitdew.BitDew.put().

#### 5.156.2.14 void xtremweb.core.obj.dt.Transfer.setuid (String *uid*) [virtual]

Implements [xtremweb.core.poxwo.Poxwo](#).

Definition at line 51 of file Transfer.java.

### 5.156.3 Member Data Documentation

#### 5.156.3.1 String xtremweb.core.obj.dt.Transfer.datauid [private]

Definition at line 34 of file Transfer.java.

Referenced by xtremweb.core.obj.dt.Transfer.getdatauid().

#### 5.156.3.2 String xtremweb.core.obj.dt.Transfer.locatorlocal [private]

Definition at line 37 of file Transfer.java.

Referenced by xtremweb.core.obj.dt.Transfer.getlocatorlocal().

#### 5.156.3.3 String xtremweb.core.obj.dt.Transfer.locatorremote [private]

Definition at line 40 of file Transfer.java.

Referenced by xtremweb.core.obj.dt.Transfer.getlocatorremote().

#### 5.156.3.4 String xtremweb.core.obj.dt.Transfer.oob [private]

Definition at line 31 of file Transfer.java.

Referenced by xtremweb.core.obj.dt.Transfer.getoob().

**5.156.3.5 int xtremweb.core.obj.dt.Transfer.status [private]**

Definition at line 46 of file Transfer.java.

Referenced by xtremweb.core.obj.dt.Transfer.getstatus().

**5.156.3.6 int xtremweb.core.obj.dt.Transfer.type [private]**

Definition at line 43 of file Transfer.java.

Referenced by xtremweb.core.obj.dt.Transfer.gettype().

**5.156.3.7 String xtremweb.core.obj.dt.Transfer.uid [private]**

Definition at line 28 of file Transfer.java.

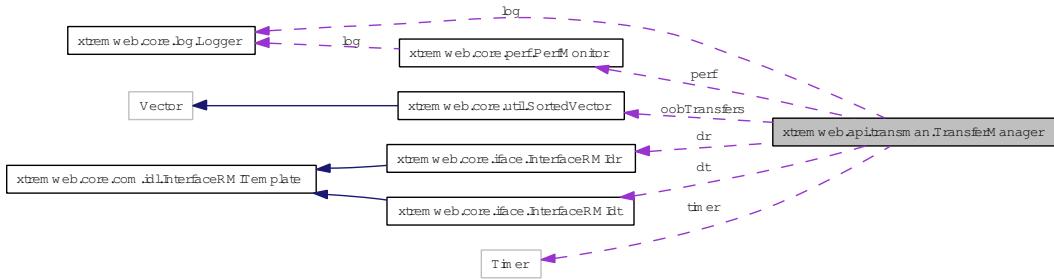
Referenced by xtremweb.core.obj.dt.Transfer.getuid().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/obj/dt/[Transfer.java](#)

## 5.157 xtremweb.api.transman.TransferManager Class Reference

Collaboration diagram for xtremweb.api.transman.TransferManager:



### Classes

- class [OOBTransferOrder](#)

### Public Member Functions

- `TransferManager (InterfaceRMIdr ldr, InterfaceRMIdt ltd)`
- `TransferManager ()`
- `TransferManager (Vector comms)`
- `void registerTransfer (String tuid, OOBTransfer oobt)`
- `Transfer createTransfer () throws TransferManagerException`
- `void start (boolean isDaemon)`
- `void start ()`
- `void stop ()`
- `void removeOOBTransfer (Transfer trans) throws OOBException`
- `OOBTransfer getOOBTransfer (Transfer trans) throws OOBException`
- `boolean downloadComplete ()`
- `void waitForAllData ()`
- `boolean isTransferComplete (Data data)`
- `void waitFor (Data data) throws TransferManagerException`

### Private Member Functions

- `void init ()`
- `void checkTransfer ()`

### Private Attributes

- `InterfaceRMIdt dt = null`
- `InterfaceRMIdr dr = null`
- `int timeout = 1000`
- `Timer timer`
- `int concurrentDownload = 1`

- `SortedVector oobTransfers`
- `Logger log = LoggerFactory.getLogger("Transfer Manager (transman)")`

## Static Private Attributes

- static final `PerfMonitor perf = PerfMonitorFactory.createPerfMonitor("TransferManager", "hits per second", 3000)`

### 5.157.1 Detailed Description

`TransferManager`.

#### Author:

`Gilles Fedak`

#### Version:

1.0

Definition at line 49 of file `TransferManager.java`.

### 5.157.2 Constructor & Destructor Documentation

#### 5.157.2.1 `xtremweb.api.transman.TransferManager.TransferManager (InterfaceRMIdr ldr, InterfaceRMIdt ldt)`

Creates a new `TransferManager` instance.

##### Parameters:

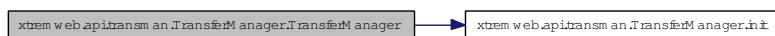
`ldt` an `InterfaceRMIdt` value

`ldr` an `InterfaceRMIdr` value

Definition at line 79 of file `TransferManager.java`.

References `xtremweb.api.transman.TransferManager.dr`, `xtremweb.api.transman.TransferManager.dt`, and `xtremweb.api.transman.TransferManager.init()`.

Here is the call graph for this function:



#### 5.157.2.2 `xtremweb.api.transman.TransferManager.TransferManager ()`

Creates a new `TransferManager` instance.

Definition at line 90 of file `TransferManager.java`.

References `xtremweb.api.transman.TransferManager.init()`.

Here is the call graph for this function:



### 5.157.2.3 `xtremweb.api.transman.TransferManager.TransferManager (Vector comms)`

Creates a new `TransferManager` instance.

**Parameters:**

`comms` a `Vector` value

Definition at line 100 of file TransferManager.java.

References `xtremweb.api.transman.TransferManager.dr`, `xtremweb.api.transman.TransferManager.dt`, and `xtremweb.api.transman.TransferManager.init()`.

Here is the call graph for this function:



## 5.157.3 Member Function Documentation

### 5.157.3.1 `void xtremweb.api.transman.TransferManager.checkTransfer () [private]`

`checkTransfer` scans the database and take decision according to the status of the transfer

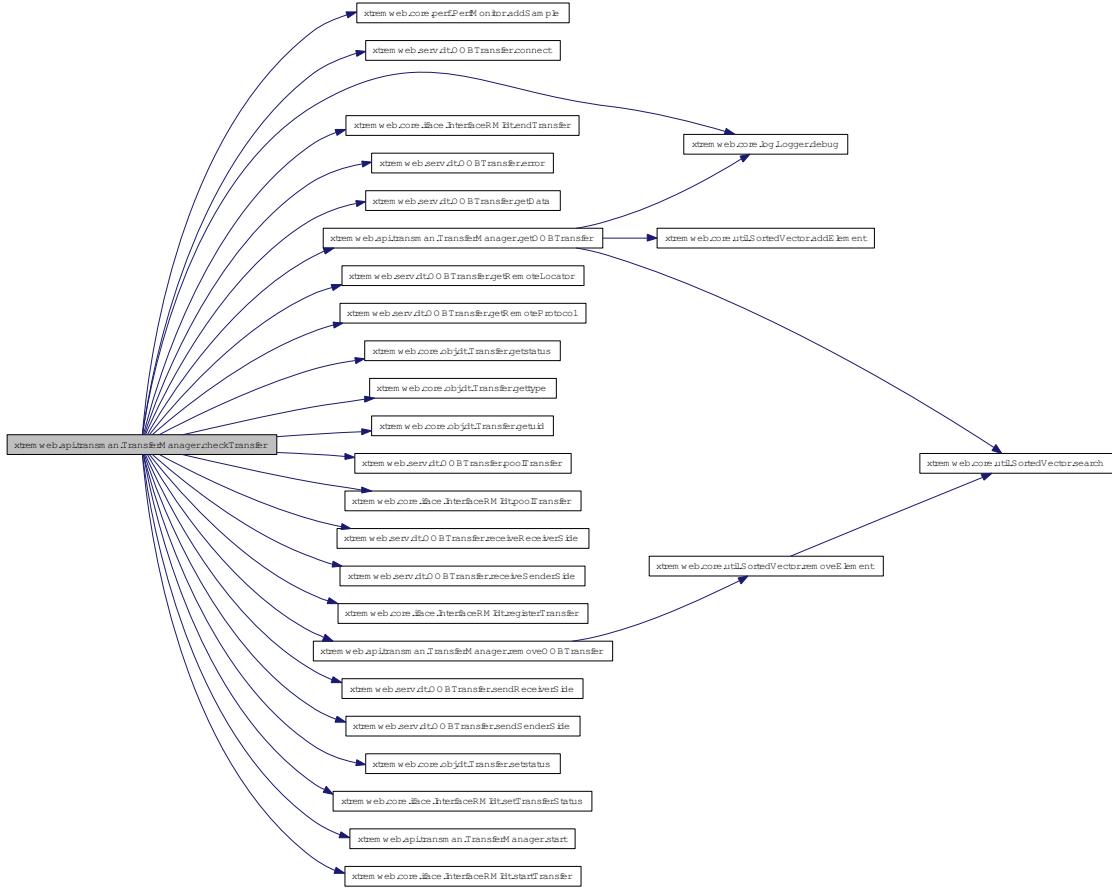
1. prepare transfert (check for data availability)
2. check for finished transfer
3. cleanup transfer

Definition at line 204 of file TransferManager.java.

References `xtremweb.core.perf.PerfMonitor.addSample()`, `xtremweb.serv.dt.OOBTransfer.connect()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.api.transman.TransferManager.dt`, `xtremweb.core iface.InterfaceRMIDt.endTransfer()`, `xtremweb.serv.dt.OOBTransfer.error()`, `xtremweb.serv.dt.OOBTransfer.getData()`, `xtremweb.api.transman.TransferManager.getOOBTransfer()`, `xtremweb.serv.dt.OOBTransfer.getRemoteLocator()`, `xtremweb.serv.dt.OOBTransfer.getRemoteProtocol()`, `xtremweb.core.obj.dt.Transfer.getStatus()`, `xtremweb.core.obj.dt.Transfer.getType()`, `xtremweb.core.obj.dt.Transfer.getUID()`, `xtremweb.api.transman.TransferManager.log`, `xtremweb.api.transman.TransferManager.perf`, `xtremweb.serv.dt.OOBTransfer.poolTransfer()`, `xtremweb.core iface.InterfaceRMIDt.poolTransfer()`, `xtremweb.serv.dt.OOBTransfer.receiveReceiverSide()`, `xtremweb.serv.dt.OOBTransfer.receiveSenderSide()`, `xtremweb.core iface.InterfaceRMIDt.registerTransfer()`, `xtremweb.api.transman.TransferManager.removeOOBTransfer()`, `xtremweb.serv.dt.OOBTransfer.sendReceiverSide()`, `xtremweb.serv.dt.OOBTransfer.sendSenderSide()`, `xtremweb.core obj.dt.Transfer.setStatus()`, `xtremweb.core iface.InterfaceRMIDt.setTransferStatus()`, `xtremweb.api.transman.TransferManager.start()`, and `xtremweb.core iface.InterfaceRMIDt.startTransfer()`.

Referenced by `xtremweb.api.transman.TransferManager.start()`.

Here is the call graph for this function:

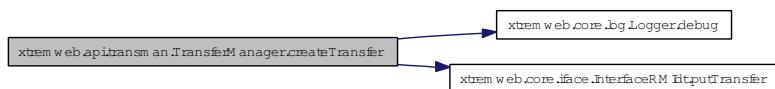


### 5.157.3.2 Transfer xtremweb.api.transman.TransferManager.createTransfer () throws TransferManagerException

Definition at line 126 of file TransferManager.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.api.transman.TransferManager.dt`, `xtremweb.api.transman.TransferManager.log`, and `xtremweb.core iface.IfaceRMIdt.putTransfer()`.

Here is the call graph for this function:



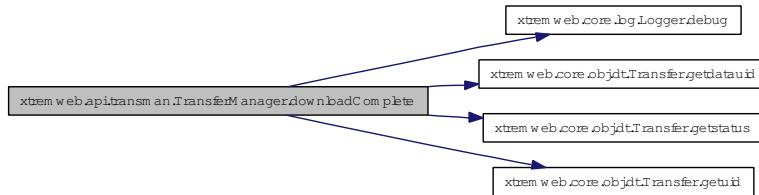
### 5.157.3.3 boolean xtremweb.api.transman.TransferManager.downloadComplete ()

Definition at line 402 of file TransferManager.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core.obj.dt.Transfer.getdatauid()`, `xtremweb.core.obj.dt.Transfer.getstatus()`, `xtremweb.core.obj.dt.Transfer.getuid()`, and `xtremweb.api.transman.TransferManager.log()`.

Referenced by `xtremweb.api.transman.TransferManager.waitForAllData()`.

Here is the call graph for this function:



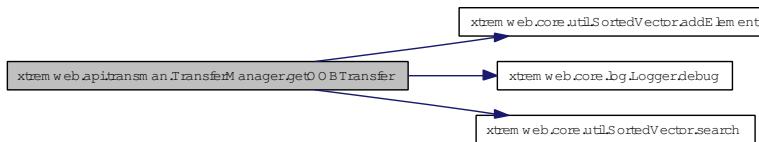
#### 5.157.3.4 OOBTransfer `xtremweb.api.transman.TransferManager.getOOBTransfer (Transfer trans) throws OOBException`

Definition at line 174 of file TransferManager.java.

References `xtremweb.core.util.SortedVector.addElement()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.api.transman.TransferManager.log`, `xtremweb.api.transman.TransferManager.oobTransfers`, and `xtremweb.core.util.SortedVector.search()`.

Referenced by `xtremweb.api.transman.TransferManager.checkTransfer()`.

Here is the call graph for this function:



#### 5.157.3.5 void `xtremweb.api.transman.TransferManager.init () [private]`

Definition at line 109 of file TransferManager.java.

References `xtremweb.api.transman.TransferManager.oobTransfers`.

Referenced by `xtremweb.api.transman.TransferManager.TransferManager()`.

#### 5.157.3.6 boolean `xtremweb.api.transman.TransferManager.isTransferComplete (Data data)`

`isTransferComplete` check if a transfer of a given data is complete.

##### Parameters:

`data` a `Data` value

##### Returns:

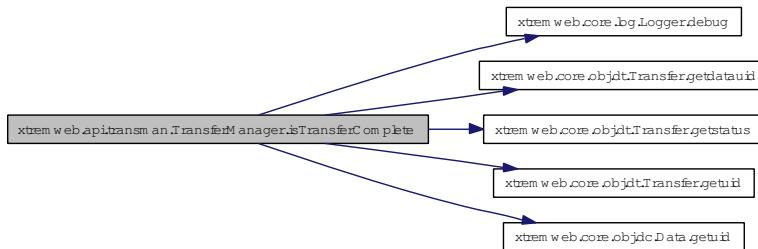
a boolean value

Definition at line 458 of file TransferManager.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core.obj.dt.Transfer.getdatauid()`, `xtremweb.core.obj.dt.Transfer.getstatus()`, `xtremweb.core.obj.dt.Transfer.getuid()`, `xtremweb.core.obj.dc.Data.getuid()`, and `xtremweb.api.transman.TransferManager.log`.

Referenced by `xtremweb.api.transman.TransferManager.waitFor()`.

Here is the call graph for this function:



### 5.157.3.7 void xtremweb.api.transman.TransferManager.registerTransfer (String *tuid*, OOBTransfer *oobt*)

`registerTransfer` adds a transfer to the [TransferManager](#). The transfer is persisted in the database. It will be later read by the main loop

**Parameters:**

*tuid* a String value

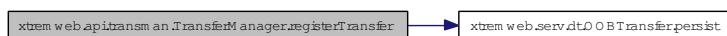
*oobt* an OOBTransfer value

Definition at line 120 of file TransferManager.java.

References `xtremweb.serv.dt.OOBTransfer.persist()`.

Referenced by `xtremweb.api.bitdew.BitDew.get()`, `xtremweb.api.transman.test.TransferManagerTest.main()`, `xtremweb.api.bitdew.BitDew.put()`, and `xtremweb.serv.dt.Callbackdt.registerTransfer()`.

Here is the call graph for this function:



### 5.157.3.8 void xtremweb.api.transman.TransferManager.removeOOBTransfer (Transfer *trans*) throws OOBException

Definition at line 170 of file TransferManager.java.

References `xtremweb.api.transman.TransferManager.oobTransfers`, and `xtremweb.core.util.SortedVector.removeElement()`.

Referenced by `xtremweb.api.transman.TransferManager.checkTransfer()`.

Here is the call graph for this function:



### 5.157.3.9 void xtremweb.api.transman.TransferManager.start ()

start launches periodic Active Data engine

Definition at line 155 of file TransferManager.java.

Referenced by xtremweb.api.transman.TransferManager.checkTransfer().

### 5.157.3.10 void xtremweb.api.transman.TransferManager.start (boolean *isDaemon*)

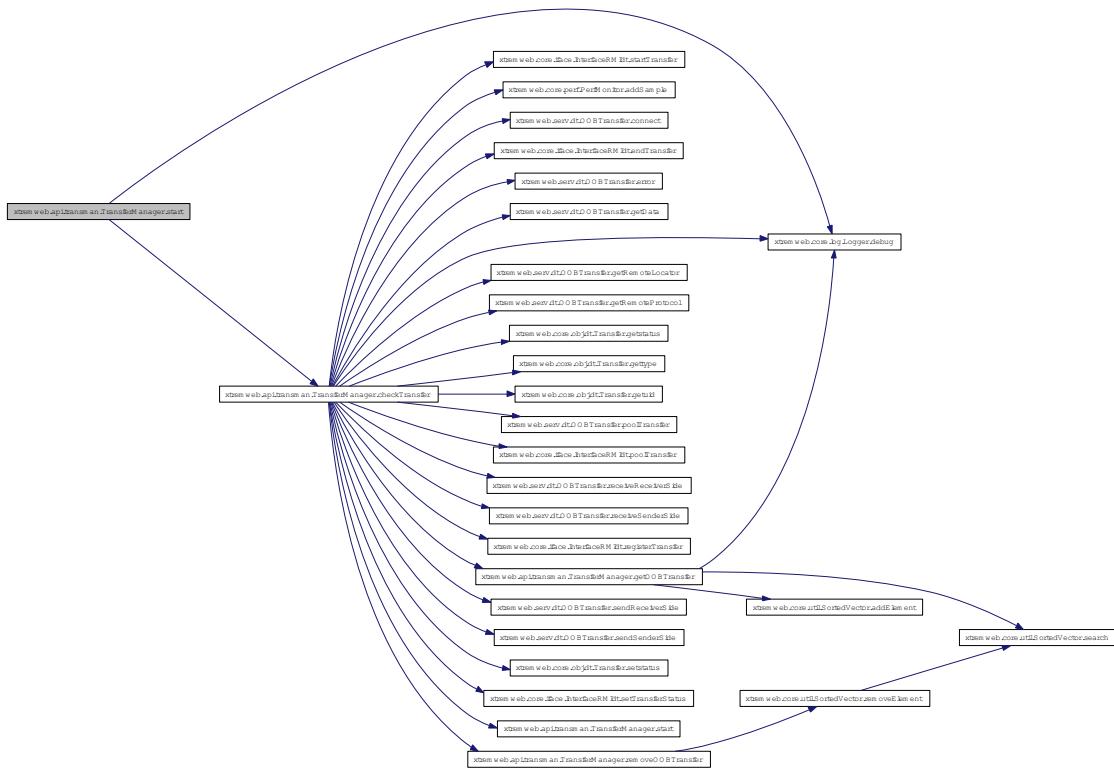
start launches periodic TM engine

Definition at line 142 of file TransferManager.java.

References xtremweb.api.transman.TransferManager.checkTransfer(), xtremweb.core.log.Logger.debug(), xtremweb.api.transman.TransferManager.log, xtremweb.api.transman.TransferManager.timeout, and xtremweb.api.transman.TransferManager.timer.

Referenced by xtremweb.role.examples.AllToAll.AllToAll(), xtremweb.role.examples.Broadcast.Broadcast(), xtremweb.serv.dt.Callbackdt.Callbackdt(), xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), xtremweb.role.examples.FaultToleranceBench.FaultToleranceBench(), xtremweb.api.transman.TransferManagerFactory.getTransferManager(), xtremweb.api.transman.test.TransferManagerTest.main(), xtremweb.role.examples.PutGet.PutGet(), and xtremweb.role.examples.Updater.Updater().

Here is the call graph for this function:



### 5.157.3.11 void xtremweb.api.transman.TransferManager.stop()

stop stops periodic TM Engine

Definition at line 163 of file TransferManager.java.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.api.transman.TransferManager.log`, and `xtremweb.api.transman.TransferManager.timer`.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), xtremweb.role.examples.PutGet.get(), and xtremweb.role.examples.PutGet.put().

Here is the call graph for this function:



**5.157.3.12 void xtremweb.api.transman.TransferManager.waitFor (Data data) throws TransferManagerException**

`waitFor` waits for a specific data to be transferred.

**Parameters:**

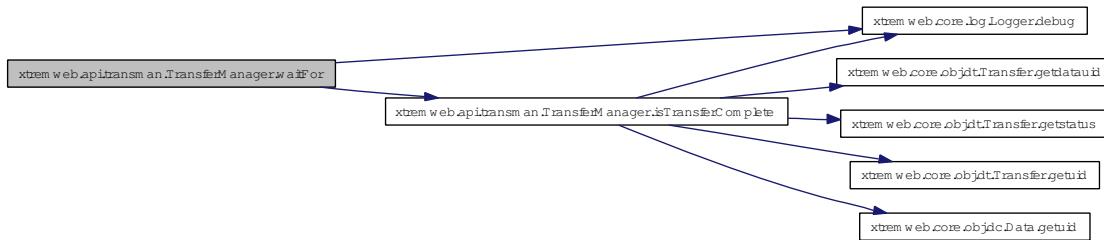
*data* a Data value

Definition at line 497 of file TransferManager.java.

References xtremweb.core.log.Logger.debug(), xtremweb.api.transman.TransferManager.isTransferComplete(), xtremweb.api.transman.TransferManager.log, and xtremweb.api.transman.TransferManager.timeout.

Referenced by xtremweb.role.cmdline.CommandLineTool.CommandLineTool(), xtremweb.role.examples.PutGet.get(), xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(), xtremweb.role.examples.Updater.UpdaterCallback.onDataScheduled(), xtremweb.role.examples.FaultToleranceBench.BroadcastCall(), xtremweb.role.examples.Broadcast.BroadcastCallback.onDataScheduled(), xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled(), and xtremweb.role.examples.PutGet.put().

Here is the call graph for this function:

**5.157.3.13 void xtremweb.api.transman.TransferManager.waitForAllData ()**

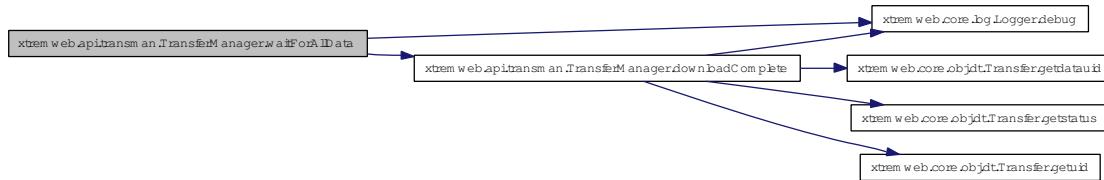
`waitForAllData` waits for all transfers to complete.

Definition at line 443 of file TransferManager.java.

References xtremweb.core.log.Logger.debug(), xtremweb.api.transman.TransferManager.downloadComplete(), xtremweb.api.transman.TransferManager.log, and xtremweb.api.transman.TransferManager.timeout.

Referenced by xtremweb.role.examples.AllToAll.BroadcastCallback.onDataScheduled().

Here is the call graph for this function:

**5.157.4 Member Data Documentation****5.157.4.1 int xtremweb.api.transman.TransferManager.concurrentDownload = 1 [private]**

Definition at line 59 of file TransferManager.java.

**5.157.4.2 InterfaceRMIdr xtremweb.api.transman.TransferManager.dr = null [private]**

Definition at line 52 of file TransferManager.java.

Referenced by xtremweb.api.transman.TransferManager.TransferManager().

**5.157.4.3 InterfaceRMIdt xtremweb.api.transman.TransferManager.dt = null [private]**

Definition at line 51 of file TransferManager.java.

Referenced by xtremweb.api.transman.TransferManager.checkTransfer(),  
xtremweb.api.transman.TransferManager.createTransfer(), and xtremweb.api.transman.TransferManager.TransferManager().

**5.157.4.4 Logger xtremweb.api.transman.TransferManager.log =  
LoggerFactory.getLogger("Transfer Manager (transman)") [private]**

Definition at line 71 of file TransferManager.java.

Referenced by xtremweb.api.transman.TransferManager.checkTransfer(),  
xtremweb.api.transman.TransferManager.createTransfer(), xtremweb.api.transman.TransferManager.downloadComplete(),  
xtremweb.api.transman.TransferManager.getOOBTransfer(), xtremweb.api.transman.TransferManager.isTransferComplete(),  
xtremweb.api.transman.TransferManager.start(), xtremweb.api.transman.TransferManager.stop(),  
xtremweb.api.transman.TransferManager.waitFor(), and xtremweb.api.transman.TransferManager.waitForAllData().

**5.157.4.5 SortedVector xtremweb.api.transman.TransferManager.oobTransfers [private]**

Definition at line 69 of file TransferManager.java.

Referenced by xtremweb.api.transman.TransferManager.getOOBTransfer(),  
xtremweb.api.transman.TransferManager.init(), and xtremweb.api.transman.TransferManager.removeOOBTransfer().

**5.157.4.6 final PerfMonitor xtremweb.api.transman.TransferManager.perf =  
PerfMonitorFactory.createPerfMonitor("TransferManager", "hits per second", 3000)  
[static, private]**

Definition at line 61 of file TransferManager.java.

Referenced by xtremweb.api.transman.TransferManager.checkTransfer().

**5.157.4.7 int xtremweb.api.transman.TransferManager.timeout = 1000 [private]**

time between two periodic activities (in milli seconds)

Definition at line 55 of file TransferManager.java.

Referenced by xtremweb.api.transman.TransferManager.start(), xtremweb.api.transman.TransferManager.waitFor(),  
and xtremweb.api.transman.TransferManager.waitForAllData().

**5.157.4.8 Timer xtremweb.api.transman.TransferManager.timer [private]**

Definition at line 57 of file TransferManager.java.

Referenced by xtremweb.api.transman.TransferManager.start(), and xtremweb.api.transman.TransferManager.stop().

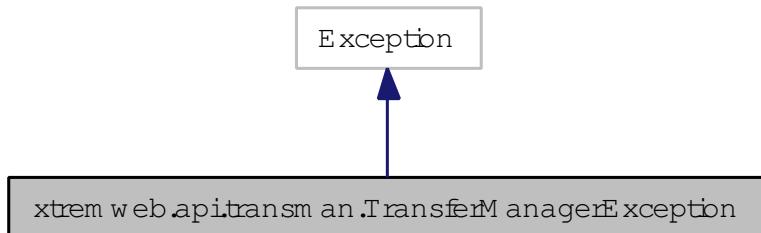
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/transman/[TransferManager.java](#)

## 5.158 xtremweb.api.transman.TransferManagerException Class Reference

Inherits java::lang::Exception.

Collaboration diagram for xtremweb.api.transman.TransferManagerException:



### Public Member Functions

- [TransferManagerException \(\)](#)
- [TransferManagerException \(String msg\)](#)

#### 5.158.1 Detailed Description

Describe class [TransferManagerException](#) here.

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 11 of file TransferManagerException.java.

#### 5.158.2 Constructor & Destructor Documentation

##### 5.158.2.1 xtremweb.api.transman.TransferManagerException.TransferManagerException ()

Creates a new [TransferManagerException](#) instance.

Definition at line 17 of file TransferManagerException.java.

##### 5.158.2.2 xtremweb.api.transman.TransferManagerException.TransferManagerException (String msg)

Creates a new [TransferManagerException](#) instance.

**Parameters:**

*msg* a String value

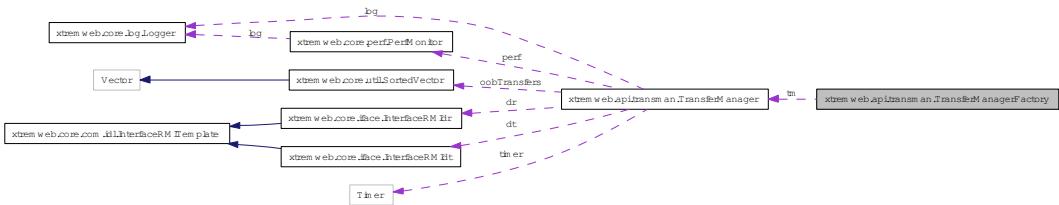
Definition at line 25 of file TransferManagerException.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/transman/[TransferManagerException.java](#)

## 5.159 xtremweb.api.transman.TransferManagerFactory Class Reference

Collaboration diagram for xtremweb.api.transman.TransferManagerFactory:



### Static Public Member Functions

- static [TransferManager getTransferManager \(\)](#)
- static [TransferManager getTransferManager \(InterfaceRMIdr dr, InterfaceRMIdt dt\)](#)
- static [TransferManager getTransferManager \(Vector comms\)](#)

### Static Private Attributes

- static [TransferManager tm = null](#)

#### 5.159.1 Detailed Description

[TransferManagerFactory](#) allows to create one single instance of a [TransferManager](#).

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 14 of file TransferManagerFactory.java.

#### 5.159.2 Member Function Documentation

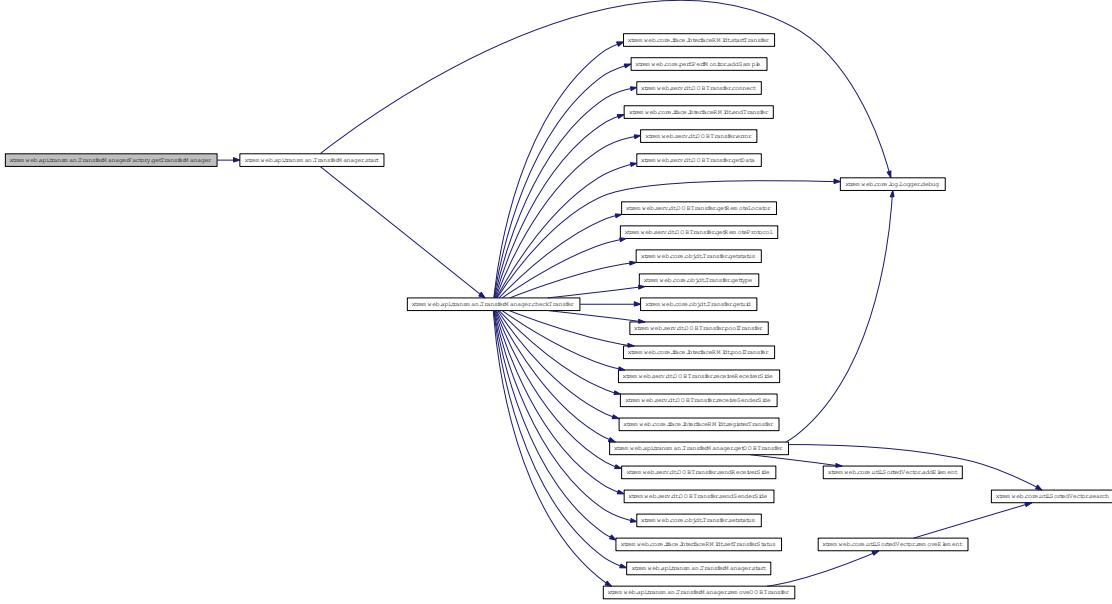
##### 5.159.2.1 static TransferManager

[xtremweb.api.transman.TransferManagerFactory.getTransferManager](#)  
([Vector comms](#)) [static]

Definition at line 47 of file TransferManagerFactory.java.

References [xtremweb.api.transman.TransferManager.start\(\)](#), and [xtremweb.api.transman.TransferManagerFactory.tm](#).

Here is the call graph for this function:



### **5.159.2.2 static TransferManager**

```
xtremweb.api.transman.TransferManagerFactory.getTransferManager  
(InterfaceRMIdr dr, InterfaceRMIdt dt) [static]
```

`getTransferManager` retrieve the `TransferManager` instance.

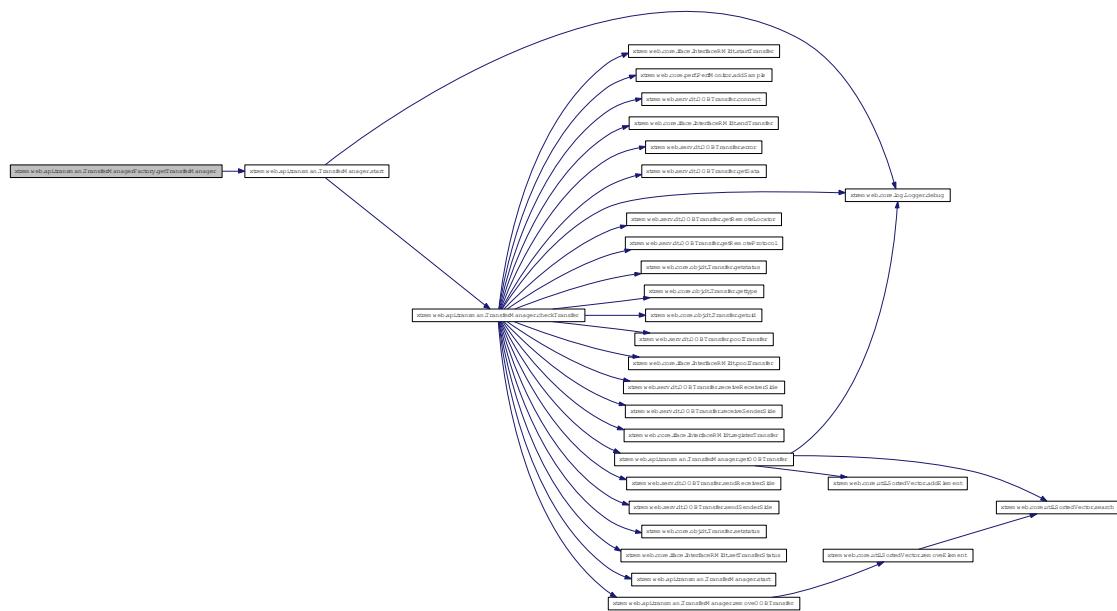
## Returns:

a TransferManager value

Definition at line 39 of file TransferManagerFactory.java.

References `xtremweb.api.transman.TransferManager.start()`, and `xtremweb.api.transman.TransferManagerFactory.tm`.

Here is the call graph for this function:



### 5.159.2.3 static TransferManager

```
xtremweb.api.transman.TransferManagerFactory.getTransferManager()
```

`getTransferManager` retrieve the `TransferManager` instance.

## Returns:

a `TransferManager` value

Definition at line 29 of file TransferManagerFactory.java.

References xtremweb.api.transman.TransferManagerFactory.tm.

### 5.159.3 Member Data Documentation

**5.159.3.1 TransferManager xtremweb.api.transman.TransferManagerFactory.tm = null**  
[static, private]

Definition at line 20 of file TransferManagerFactory.java.

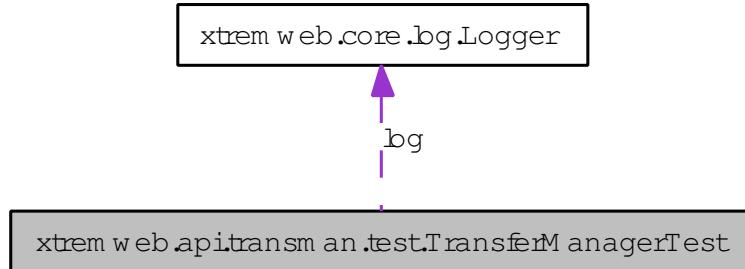
Referenced by `xtremweb.api.transman.TransferManagerFactory.getTransferManager()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/transman/**TransferManagerFactory.java**

## 5.160 xtremweb.api.transman.test.TransferManagerTest Class Reference

Collaboration diagram for xtremweb.api.transman.test.TransferManagerTest:



### Public Member Functions

- void [start\(\)](#)

### Static Public Member Functions

- static void [main\(String\[\] args\)](#)

### Package Attributes

- [Logger log = LoggerFactory.getLogger\("TransferManagerTest"\)](#)

#### 5.160.1 Detailed Description

Describe class TestTM here.

Created: Wed Feb 28 15:16:55 2007

##### Author:

[Gilles Fedak](#)

##### Version:

1.0

Definition at line 41 of file TransferManagerTest.java.

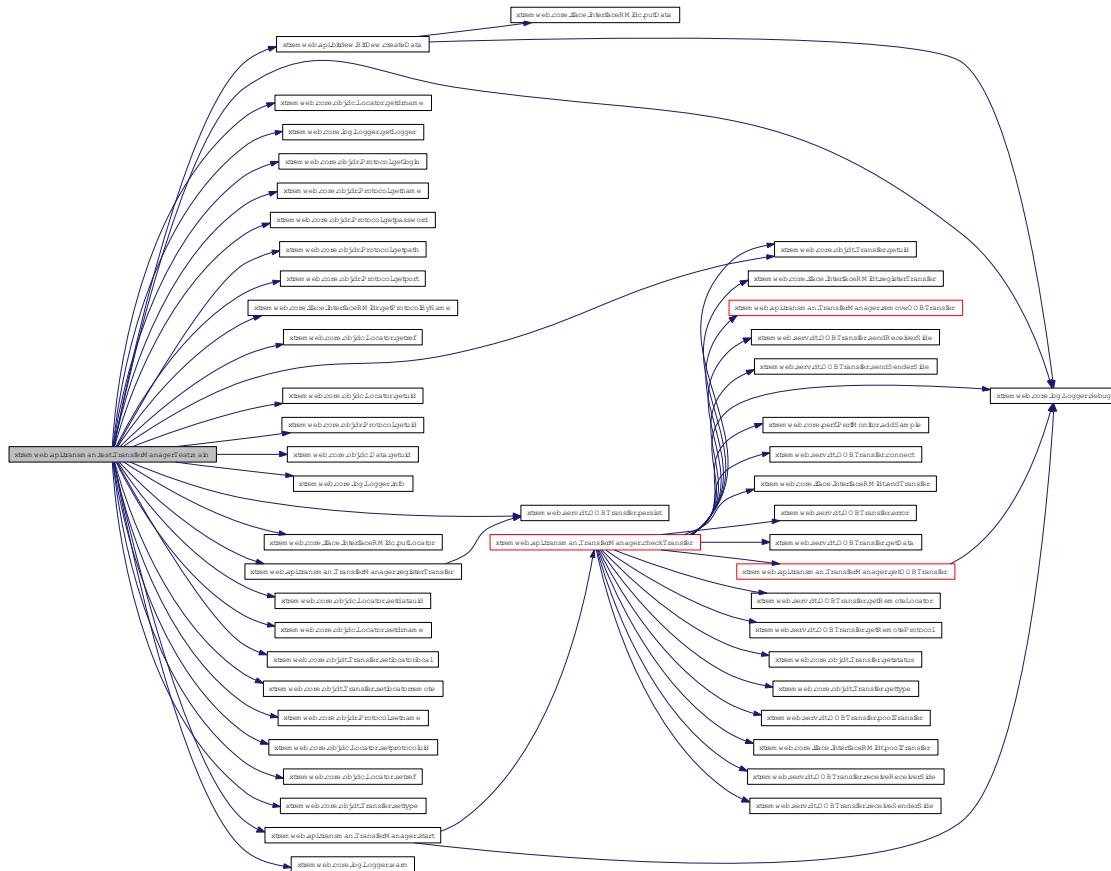
#### 5.160.2 Member Function Documentation

##### 5.160.2.1 static void xtremweb.api.transman.test.TransferManagerTest.main (String[] args) [static]

Definition at line 51 of file TransferManagerTest.java.

References      `xtremweb.api.bitdew.BitDew.createData()`,  
`xtremweb.core.obj.dc.Locator.getdrname()`,  
`xtremweb.core.obj.dr.Protocol.getlogin()`,  
`xtremweb.core.obj.dr.Protocol.getpassword()`,  
`xtremweb.core.obj.dr.Protocol.getport()`,      `xtremweb.core iface.InterfaceRMIdr.getProtocolByName()`,  
`xtremweb.core.obj.dc.Locator.getref()`,      `xtremweb.core.obj.dt.Transfer.getuid()`,  
`xtremweb.core.obj.dc.Locator.getuid()`,      `xtremweb.core.obj.dr.Protocol.getuid()`,  
`xtremweb.core.obj.dc.Data.getuid()`, `xtremweb.core.log.Logger.info()`, `xtremweb.api.transman.test.TransferManagerTest.log`,  
`xtremweb.serv.dt.OOBTransfer.persist()`,      `xtremweb.core iface.InterfaceRMIdc.putLocator()`,  
`xtremweb.api.transman.TransferManager.registerTransfer()`,      `xtremweb.core.obj.dc.Locator.setdatauid()`,  
`xtremweb.core.obj.dc.Locator.setdrname()`,      `xtremweb.core.obj.dt.Transfer.setlocatorlocal()`,  
`xtremweb.core.obj.dt.Transfer.setlocatorremote()`,      `xtremweb.core.obj.dr.Protocol.setname()`,  
`xtremweb.core.obj.dc.Locator.setprotocoluid()`,      `xtremweb.core.obj.dc.Locator.setref()`,  
`xtremweb.core.obj.dt.Transfer.settype()`,      `xtremweb.api.transman.TransferManager.start()`,      and  
`xtremweb.core.log.Logger.warn()`.

Here is the call graph for this function:



### 5.160.2.2 void xtremweb.api.transman.test.TransferManagerTest.start ()

Definition at line 45 of file TransferManagerTest.java.

References `xtremweb.core.log.Logger.info()`, and `xtremweb.api.transman.test.TransferManagerTest.log`.

Here is the call graph for this function:



### 5.160.3 Member Data Documentation

#### 5.160.3.1 Logger `xtremweb.api.transman.test.TransferManagerTest.log = LoggerFactory.getLogger("TransferManagerTest")` [package]

Definition at line 43 of file TransferManagerTest.java.

Referenced by `xtremweb.api.transman.test.TransferManagerTest.main()`, and `xtremweb.api.transman.test.TransferManagerTest.start()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/transman/test/[TransferManagerTest.java](#)

## 5.161 xtremweb.api.transman.TransferStatus Class Reference

### Static Public Member Functions

- static String [toString](#) (int type)

### Static Public Attributes

- static final int [PENDING](#) = 0
- static final int [READY](#) = 1
- static final int [INVALID](#) = 2
- static final int [TRANSFERRING](#) = 3
- static final int [ABORTED](#) = 4
- static final int [COMPLETE](#) = 5
- static final int [STALLED](#) = 6
- static final int [TODELETE](#) = 7

### Static Private Attributes

- static final String[] [strings](#) = { "PENDING", "READY", "INVALID", "TRANSFERRING", "ABORTED", "COMPLETE", "STALLED", "TODELETE" }

#### 5.161.1 Detailed Description

[TransferStatus](#) is a set of static integer representing the various status of a transfer.

**Author:**

Gilles Fedak

**Version:**

1.0

Definition at line 11 of file TransferStatus.java.

#### 5.161.2 Member Function Documentation

##### 5.161.2.1 static String xtremweb.api.transman.TransferStatus.toString (int *type*) [static]

`toString` returns the name of the status.

**Parameters:**

*type* an int value

**Returns:**

a String value

Definition at line 76 of file TransferStatus.java.

References [xtremweb.api.transman.TransferStatus.strings](#).

### 5.161.3 Member Data Documentation

#### 5.161.3.1 final int xtremweb.api.transman.TransferStatus.ABORTED = 4 [static]

ABORTED is the state of a transfer when the system cancels the transfer.

Definition at line 46 of file TransferStatus.java.

#### 5.161.3.2 final int xtremweb.api.transman.TransferStatus.COMPLETE = 5 [static]

COMPLETE is the state of a transfer when achieved correctly.

Definition at line 52 of file TransferStatus.java.

#### 5.161.3.3 final int xtremweb.api.transman.TransferStatus.INVALID = 2 [static]

INVALID is the state reached by a transfert when it has not been checked successfully.

Definition at line 33 of file TransferStatus.java.

#### 5.161.3.4 final int xtremweb.api.transman.TransferStatus.PENDING = 0 [static]

PENDING is the initial state of the transfer. After being checked with static informations, the transfer can be either declared as INVALID or READY

Definition at line 19 of file TransferStatus.java.

#### 5.161.3.5 final int xtremweb.api.transman.TransferStatus.READY = 1 [static]

READY is the state after a transfer has been statically checked and validated. The transfer is now ready to start.

Definition at line 26 of file TransferStatus.java.

#### 5.161.3.6 final int xtremweb.api.transman.TransferStatus.STALLED = 6 [static]

TODELETE is the state of a process indicating that the transfer is stalled.

Definition at line 58 of file TransferStatus.java.

#### 5.161.3.7 final String [] xtremweb.api.transman.TransferStatus.strings = { "PENDING", "READY", "INVALID", "TRANSFERRING", "ABORTED", "COMPLETE", "STALLED", "TODELETE" } [static, private]

Definition at line 68 of file TransferStatus.java.

Referenced by `xtremweb.api.transman.TransferStatus.toString()`.

#### 5.161.3.8 final int xtremweb.api.transman.TransferStatus.TODELETE = 7 [static]

TODELETE is the state of a process indicating that it is ready to be safely removed from database.

Definition at line 65 of file TransferStatus.java.

**5.161.3.9 final int xtremweb.api.transman.TransferStatus.TRANSFERING = 3 [static]**

TRANSFERING is the state of transfert actually being processed. The transfer can be either cancelled by the system (ABORTED), or complete (COMPLETE) when the transfert is done.

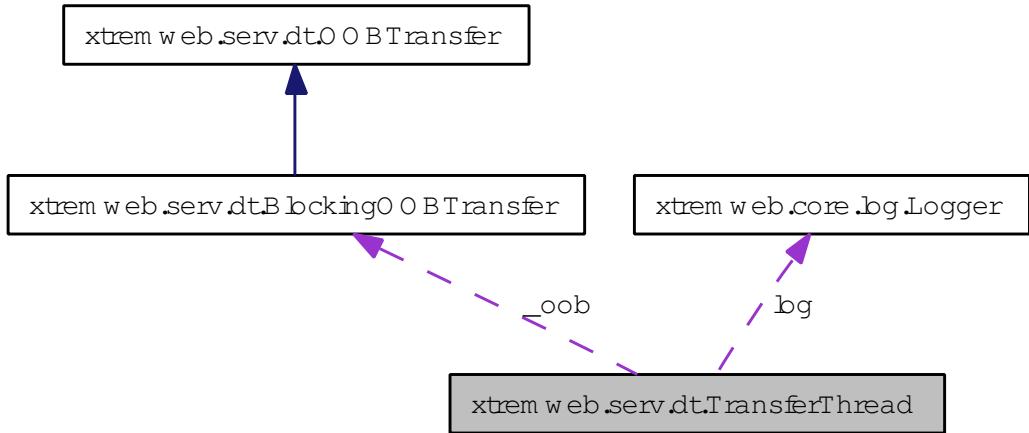
Definition at line 40 of file TransferStatus.java.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/transman/[TransferStatus.java](#)

## 5.162 xtremweb.serv.dt.TransferThread Class Reference

Collaboration diagram for xtremweb.serv.dt.TransferThread:



### Public Member Functions

- [TransferThread \(BlockingOOBTransfer oob\)](#)
- synchronized void [run \(\)](#)
- boolean [isTransferring \(\)](#)
- synchronized void [waitFor \(\)](#)

### Protected Attributes

- boolean [isTransferring = true](#)

### Static Protected Attributes

- static [Logger log = LoggerFactory.getLogger\(TransferThread.class\)](#)

### Private Attributes

- [BlockingOOBTransfer \\_oob](#)

#### 5.162.1 Detailed Description

Definition at line 19 of file TransferThread.java.

#### 5.162.2 Constructor & Destructor Documentation

##### 5.162.2.1 xtremweb.serv.dt.TransferThread.TransferThread (BlockingOOBTransfer *oob*)

Creates a new [TransferThread](#) instance

**Parameters:**

*oob* an [BlockingOOBTransfer](#) value

Definition at line 33 of file TransferThread.java.

References xtremweb.serv.dt.TransferThread.\_oob.

### 5.162.3 Member Function Documentation

#### 5.162.3.1 boolean xtremweb.serv.dt.TransferThread.isTransferring ()

Definition at line 67 of file TransferThread.java.

Referenced by xtremweb.serv.dt.TransferThread.run(), and xtremweb.serv.dt.TransferThread.waitFor().

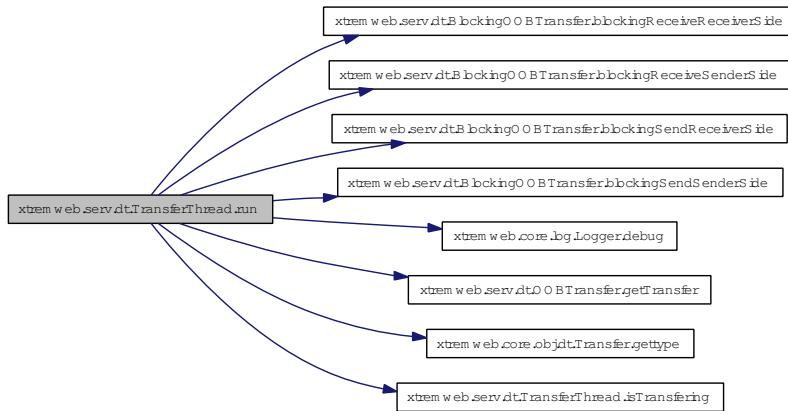
#### 5.162.3.2 synchronized void xtremweb.serv.dt.TransferThread.run ()

run starts the new thread.

Definition at line 40 of file TransferThread.java.

References xtremweb.serv.dt.TransferThread.\_oob, xtremweb.serv.dt.BlockingOOBTransfer.blockingReceiveReceiverSide(), xtremweb.serv.dt.BlockingOOBTransfer.blockingReceiveSenderSide(), xtremweb.serv.dt.BlockingOOBTransfer.blockingSendReceiverSide(), xtremweb.serv.dt.BlockingOOBTransfer.blockingSendSenderSide(), xtremweb.core.log.Logger.debug(), xtremweb.serv.dt.OOBTransfer.getTransfer(), xtremweb.core.obj.dt.Transfer.gettype(), xtremweb.serv.dt.TransferThread.isTransferring(), and xtremweb.serv.dt.TransferThread.log.

Here is the call graph for this function:



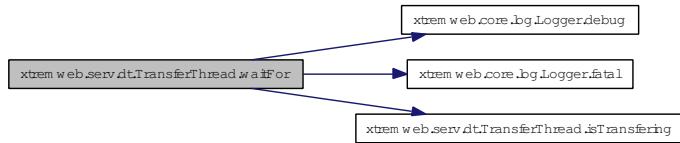
#### 5.162.3.3 synchronized void xtremweb.serv.dt.TransferThread.waitFor ()

Definition at line 71 of file TransferThread.java.

References xtremweb.core.log.Logger.debug(), xtremweb.core.log.Logger.fatal(), xtremweb.serv.dt.TransferThread.isTransferring(), and xtremweb.serv.dt.TransferThread.log.

Referenced by xtremweb.serv.dt.BlockingOOBTransferImpl.waitFor().

Here is the call graph for this function:



## 5.162.4 Member Data Documentation

### 5.162.4.1 BlockingOOBTransfer xtremweb.serv.dt.TransferThread.\_oob [private]

Definition at line 22 of file TransferThread.java.

Referenced by xtremweb.serv.dt.TransferThread.run(), and xtremweb.serv.dt.TransferThread.TransferThread().

### 5.162.4.2 boolean xtremweb.serv.dt.TransferThread.isTransferring = true [protected]

Definition at line 26 of file TransferThread.java.

Referenced by xtremweb.serv.dt.BlockingOOBTransferImpl.isTransferring().

### 5.162.4.3 Logger xtremweb.serv.dt.TransferThread.log = LoggerFactory.getLogger(TransferThread.class) [static, protected]

Definition at line 24 of file TransferThread.java.

Referenced by xtremweb.serv.dt.TransferThread.run(), and xtremweb.serv.dt.TransferThread.waitFor().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/dt/[TransferThread.java](#)

## 5.163 xtremweb.api.transman.TransferType Class Reference

### Static Public Member Functions

- static boolean [isLocal](#) (int type)
- static boolean [isRemote](#) (int type)
- static boolean [isSender](#) (int type)
- static boolean [isReceiver](#) (int type)
- static String [toString](#) (int type)

### Static Public Attributes

- static final int [UNICAST\\_SEND\\_SENDER\\_SIDE](#) = 0
- static final int [UNICAST\\_SEND\\_RECEIVER\\_SIDE](#) = 1
- static final int [UNICAST\\_RECEIVE\\_SENDER\\_SIDE](#) = 2
- static final int [UNICAST\\_RECEIVE\\_RECEIVER\\_SIDE](#) = 3

### Static Private Attributes

- static final String[] [strings](#) = {"UNICAST\_SEND\_SENDER\_SIDE", "UNICAST\_SEND\_RECEIVER\_SIDE", "UNICAST\_RECEIVE\_SENDER\_SIDE", "UNICAST\_RECEIVE\_RECEIVER\_SIDE"}

#### 5.163.1 Detailed Description

Describe class [TransferType](#) here.

Created: Tue Feb 20 15:54:09 2007

##### Author:

[Gilles Fedak](#)

##### Version:

1.0

Definition at line 13 of file TransferType.java.

#### 5.163.2 Member Function Documentation

##### 5.163.2.1 static boolean xtremweb.api.transman.TransferType.isLocal (int type) [static]

[isLocal](#) checks if a transfer type is operated locally. true for UNICAST\_SEND\_SENDER\_SIDE and UNICAST\_RECEIVE\_RECEIVER\_SIDE

##### Parameters:

*type* an int value

##### Returns:

a boolean value

Definition at line 52 of file TransferType.java.

References xtremweb.api.transman.TransferType.UNICAST\_RECEIVE\_RECEIVER\_SIDE, and xtremweb.api.transman.TransferType.UNICAST\_SEND\_SENDER\_SIDE.

#### **5.163.2.2 static boolean xtremweb.api.transman.TransferType.isReceiver (int type) [static]**

Definition at line 70 of file TransferType.java.

References xtremweb.api.transman.TransferType.UNICAST\_RECEIVE\_RECEIVER\_SIDE, and xtremweb.api.transman.TransferType.UNICAST\_SEND\_RECEIVER\_SIDE.

#### **5.163.2.3 static boolean xtremweb.api.transman.TransferType.isRemote (int type) [static]**

isRemote checks if a transfer type is operated remotelly. true for UNICAST\_SEND\_RECEIVER\_SIDE and UNICAST\_RECEIVE\_SENDER\_SIDE

##### **Parameters:**

*type* an int value

##### **Returns:**

a boolean value

Definition at line 63 of file TransferType.java.

References xtremweb.api.transman.TransferType.UNICAST\_RECEIVE\_SENDER\_SIDE, and xtremweb.api.transman.TransferType.UNICAST\_SEND\_RECEIVER\_SIDE.

#### **5.163.2.4 static boolean xtremweb.api.transman.TransferType.isSender (int type) [static]**

Definition at line 67 of file TransferType.java.

References xtremweb.api.transman.TransferType.UNICAST\_RECEIVE\_SENDER\_SIDE, and xtremweb.api.transman.TransferType.UNICAST\_SEND\_SENDER\_SIDE.

#### **5.163.2.5 static String xtremweb.api.transman.TransferType.toString (int type) [static]**

Definition at line 75 of file TransferType.java.

References xtremweb.api.transman.TransferType.strings.

### **5.163.3 Member Data Documentation**

#### **5.163.3.1 final String [] xtremweb.api.transman.TransferType.strings = {"UNICAST\_SEND\_SENDER\_SIDE", "UNICAST\_SEND\_RECEIVER\_SIDE", "UNICAST\_RECEIVE\_SENDER\_SIDE", "UNICAST\_RECEIVE\_RECEIVER\_SIDE"} [static, private]**

Definition at line 43 of file TransferType.java.

Referenced by xtremweb.api.transman.TransferType.toString().

**5.163.3.2 final int xtremweb.api.transman.TransferType.UNICAST\_RECEIVE\_RECEIVER\_SIDE = 3 [static]**

UNICAST\_RECEIVE\_RECEIVER\_SIDE Point to point receive transfer. The sender is remote and the receiver is local.

Definition at line 40 of file TransferType.java.

Referenced by xtremweb.api.transman.TransferType.isLocal(), and xtremweb.api.transman.TransferType.isReceiver().

**5.163.3.3 final int xtremweb.api.transman.TransferType.UNICAST\_RECEIVE\_SENDER\_SIDE = 2 [static]**

UNICAST\_RECEIVE\_SENDER\_SIDE Point to point receive transfer. The sender is local and the receiver is remote.

Definition at line 33 of file TransferType.java.

Referenced by xtremweb.api.transman.TransferType.isRemote(), and xtremweb.api.transman.TransferType.isSender().

**5.163.3.4 final int xtremweb.api.transman.TransferType.UNICAST\_SEND\_RECEIVER\_SIDE = 1 [static]**

UNICAST\_SEND\_RECEIVER\_SIDE Point to point send transfer. The sender is remote and the receiver is local.

Definition at line 26 of file TransferType.java.

Referenced by xtremweb.api.transman.TransferType.isReceiver(), and xtremweb.api.transman.TransferType.isRemote().

**5.163.3.5 final int xtremweb.api.transman.TransferType.UNICAST\_SEND\_SENDER\_SIDE = 0 [static]**

UNICAST\_SEND\_SENDER\_SIDE Point to point send transfer. The sender is local and the receiver is remote.

Definition at line 20 of file TransferType.java.

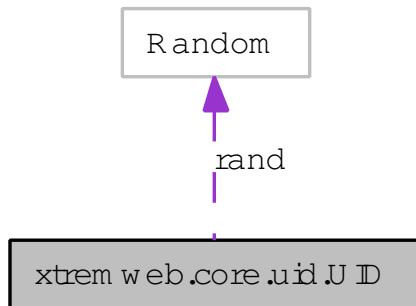
Referenced by xtremweb.api.transman.TransferType.isLocal(), and xtremweb.api.transman.TransferType.isSender().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/api/transman/[TransferType.java](#)

## 5.164 xtremweb.core.uid.UID Class Reference

Collaboration diagram for xtremweb.core.uid.UID:



### Public Member Functions

- [UID \(\)](#)
- [UID \(String uid\)](#)
- long [getUID \(\)](#)
- long [getLong \(\)](#)
- String [toString \(\)](#)

### Package Attributes

- long [uid](#)

### Static Package Attributes

- static Random [rand](#) = new Random(System.currentTimeMillis())

#### 5.164.1 Detailed Description

[UID.java](#)

Created: Tue Apr 29 10:56:17 2003

##### Author:

Gilles Fedak

##### Version:

1.0

Definition at line 15 of file [UID.java](#).

## 5.164.2 Constructor & Destructor Documentation

### 5.164.2.1 `xtremweb.core.uid.UID.UID ()`

Creates a new `UID` instance.

the unique id is computed by a combination of a date and a random number

Definition at line 26 of file `UID.java`.

References `xtremweb.core.uid.UID.rand`, and `xtremweb.core.uid.UID.uid`.

### 5.164.2.2 `xtremweb.core.uid.UID.UID (String suid)`

Creates a new `UID` instance from a String.

Definition at line 37 of file `UID.java`.

References `xtremweb.core.uid.UID.uid`.

## 5.164.3 Member Function Documentation

### 5.164.3.1 `long xtremweb.core.uid.UID.getLong ()`

Definition at line 51 of file `UID.java`.

References `xtremweb.core.uid.UID.uid`.

### 5.164.3.2 `long xtremweb.core.uid.UID.getUID ()`

`getUID` return the `uid`

#### Returns:

an `int` value

Definition at line 47 of file `UID.java`.

References `xtremweb.core.uid.UID.uid`.

### 5.164.3.3 `String xtremweb.core.uid.UID.toString ()`

Definition at line 55 of file `UID.java`.

References `xtremweb.core.uid.UID.uid`.

## 5.164.4 Member Data Documentation

### 5.164.4.1 `Random xtremweb.core.uid.UID.rand = new Random(System.currentTimeMillis())` [static, package]

Definition at line 19 of file `UID.java`.

Referenced by `xtremweb.core.uid.UID.UID()`.

**5.164.4.2 long xtremweb.core.uid.UID.uid [package]**

Definition at line 17 of file `UID.java`.

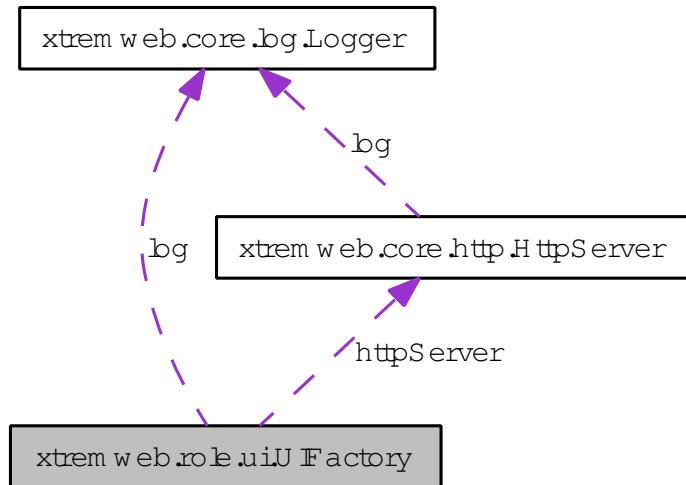
Referenced by `xtremweb.core.uid.UID.getLong()`, `xtremweb.core.uid.UID.getUID()`, `xtremweb.core.uid.UID.toString()`, and `xtremweb.core.uid.UID.UID()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/uid/[UID.java](#)

## 5.165 xtremweb.role.ui.UIFactory Class Reference

Collaboration diagram for xtremweb.role.ui.UIFactory:



### Static Public Member Functions

- static void [createUIFactory\(\)](#)

### Static Protected Attributes

- static [Logger log](#) = LoggerFactory.getLogger(HttpServer.class)

### Static Private Attributes

- static [HttpServer httpServer](#) = null

#### 5.165.1 Detailed Description

Definition at line 19 of file UIFactory.java.

#### 5.165.2 Member Function Documentation

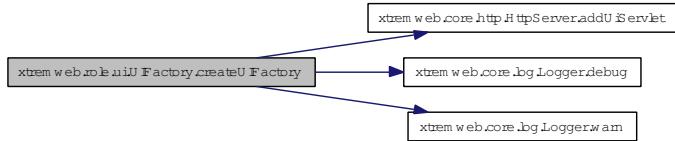
##### 5.165.2.1 static void xtremweb.role.ui.UIFactory.createUIFactory() [static]

`createUIFactory` will start a new web server if none is started yet. After it loads several servlet and associate respective URL

Definition at line 30 of file UIFactory.java.

References [xtremweb.core.http.HttpServer.addUiServlet\(\)](#), [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.role.ui.UIFactory.httpServer](#), [xtremweb.role.ui.UIFactory.log](#), and [xtremweb.core.log.Logger.warn\(\)](#).

Here is the call graph for this function:



### 5.165.3 Member Data Documentation

#### 5.165.3.1 HttpServer **xtremweb.role.ui.UIFactory.httpServer = null** [static, private]

Definition at line 21 of file UIFactory.java.

Referenced by `xtremweb.role.ui.UIFactory.createUIFactory()`.

#### 5.165.3.2 Logger **xtremweb.role.ui.UIFactory.log = LoggerFactory.getLogger(HttpServer.class)** [static, protected]

Definition at line 23 of file UIFactory.java.

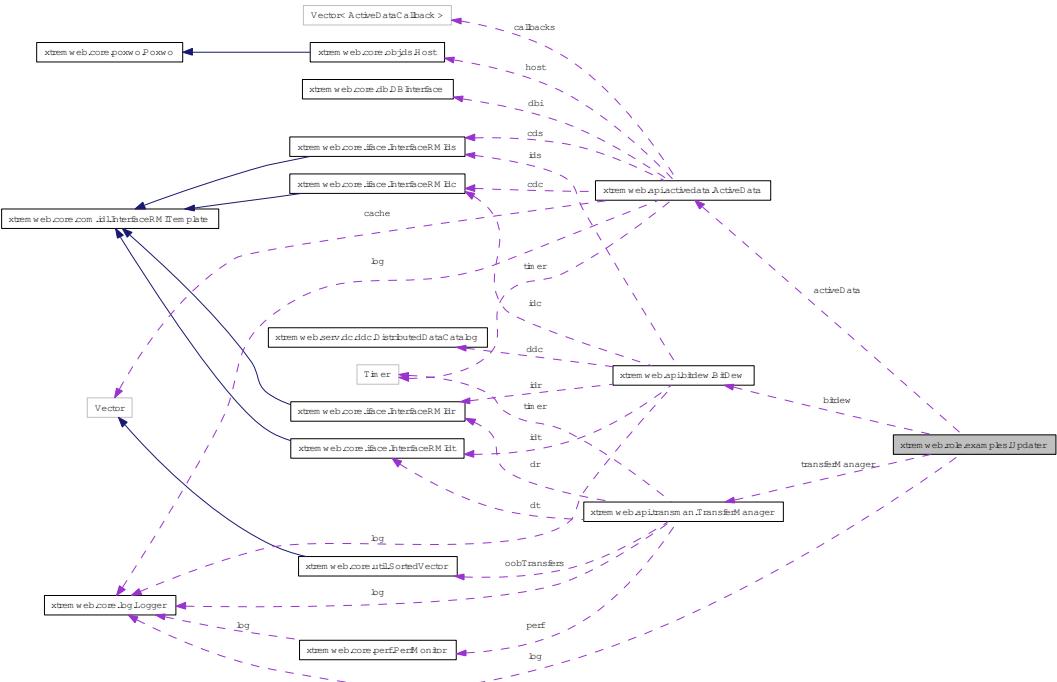
Referenced by `xtremweb.role.ui.UIFactory.createUIFactory()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/ui/[UIFactory.java](#)

## 5.166 xtremweb.role.examples.Updater Class Reference

Collaboration diagram for xtremweb.role.examples.Updater:



### Classes

- class [UpdaterCallback](#)

### Public Member Functions

- [Updater](#) (String host, int port) throws Exception

### Package Attributes

- `Logger log = LoggerFactory.getLogger(Updater.class)`
- `BitDew bitdew = null`
- `ActiveData activeData = null`
- `TransferManager transferManager = null`
- boolean `master`

#### 5.166.1 Detailed Description

Describe class [Updater](#) here.

#### Author:

Gilles Fedak

**Version:**

1.0

Definition at line 29 of file Updater.java.

## 5.166.2 Constructor & Destructor Documentation

### 5.166.2.1 xtremweb.role.examples.Updater.Updater (String *host*, int *port*) throws Exception

Creates a new [Updater](#) instance.

**Parameters:**

*host* String the hostName of the machine hosting the services

*port* int the port to contact the machine hosting the services

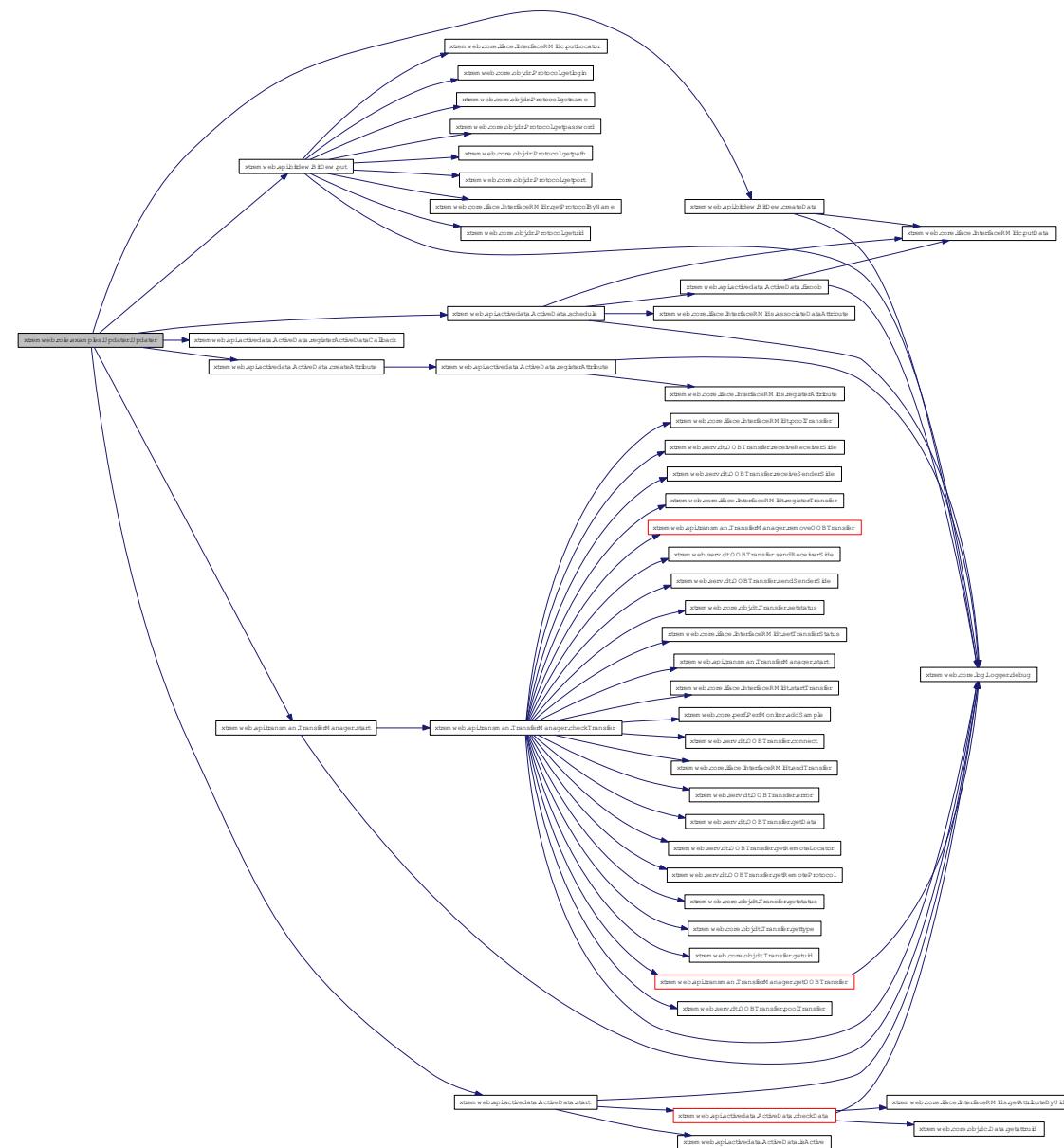
**Exceptions:**

*Exception* if an error occurs

Definition at line 43 of file Updater.java.

References xtremweb.role.examples.Updater.activeData, xtremweb.role.examples.Updater.bitdew, xtremweb.api.activedata.ActiveData.createAttribute(), xtremweb.api.bitdew.BitDew.createData(), xtremweb.role.examples.Updater.master, xtremweb.api.bitdew.BitDew.put(), xtremweb.api.activedata.ActiveData.registerActiveDataCallback(), xtremweb.api.activedata.ActiveData.schedule(), xtremweb.api.transman.TransferManager.start(), xtremweb.api.activedata.ActiveData.start(), and xtremweb.role.examples.Updater.transferManager.

Here is the call graph for this function:



### **5.166.3 Member Data Documentation**

**5.166.3.1 ActiveData xtremweb.role.examples.Updater.activeData = null** [package]

Definition at line 33 of file Updater.java.

Referenced by xtremweb.role.examples.Updater.Updater().

**5.166.3.2 BitDew xtremweb.role.examples.Updater.bitdew = null [package]**

Definition at line 32 of file Updater.java.

Referenced by xtremweb.role.examples.Updater.UpdaterCallback.onDataScheduled(), and xtremweb.role.examples.Updater.Updater().

**5.166.3.3 Logger xtremweb.role.examples.Updater.log = LoggerFactory.getLogger(Updater.class) [package]**

Definition at line 31 of file Updater.java.

**5.166.3.4 boolean xtremweb.role.examples.Updater.master [package]**

Definition at line 35 of file Updater.java.

Referenced by xtremweb.role.examples.Updater.Updater().

**5.166.3.5 TransferManager xtremweb.role.examples.Updater.transferManager = null [package]**

Definition at line 34 of file Updater.java.

Referenced by xtremweb.role.examples.Updater.UpdaterCallback.onDataScheduled(), and xtremweb.role.examples.Updater.Updater().

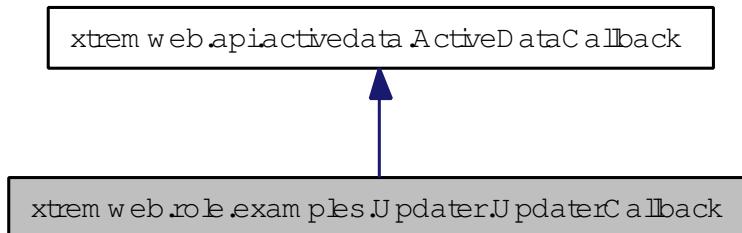
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/[Updater.java](#)

## 5.167 xtremweb.role.examples.Updater.UpdaterCallback Class Reference

Inherits [xtremweb::api::activedata::ActiveDataCallback](#).

Collaboration diagram for xtremweb.role.examples.Updater.UpdaterCallback:



### Public Member Functions

- void [onDataScheduled \(Data data, Attribute attr\)](#)
- void [onDataDeleted \(Data data, Attribute attr\)](#)

#### 5.167.1 Detailed Description

Describe class [UpdaterCallback](#) here.

Definition at line 78 of file Updater.java.

#### 5.167.2 Member Function Documentation

##### 5.167.2.1 void xtremweb.role.examples.Updater.UpdaterCallback.onDataDeleted (Data *data*, Attribute *attr*)

Describe `onDataDeleted` method here.

###### Parameters:

- data* a Data value
- attr* an Attribute value

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 102 of file Updater.java.

##### 5.167.2.2 void xtremweb.role.examples.Updater.UpdaterCallback.onDataScheduled (Data *data*, Attribute *attr*)

Describe `onDataScheduled` method here.

###### Parameters:

- data* a Data value

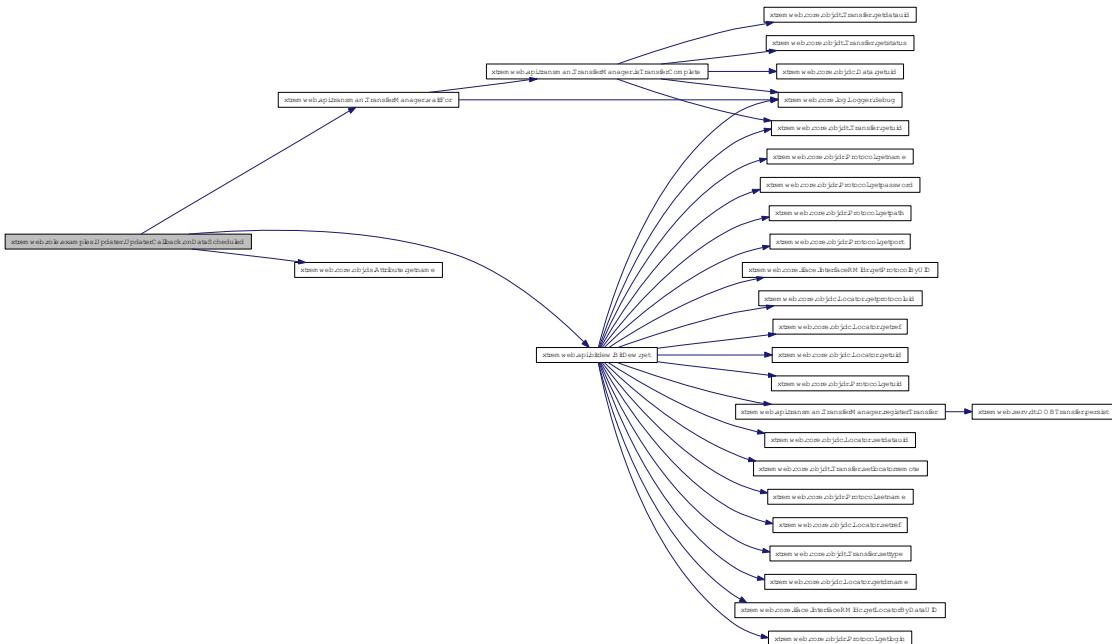
*attr* an Attribute value

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 86 of file Updater.java.

References xtremweb.role.examples.Updater.bitdew, xtremweb.api.bitdew.BitDew.get(), xtremweb.core.obj.ds.Attribute.getname(), xtremweb.role.examples.Updater.transferManager, and xtremweb.api.transman.TransferManager.waitFor().

Here is the call graph for this function:



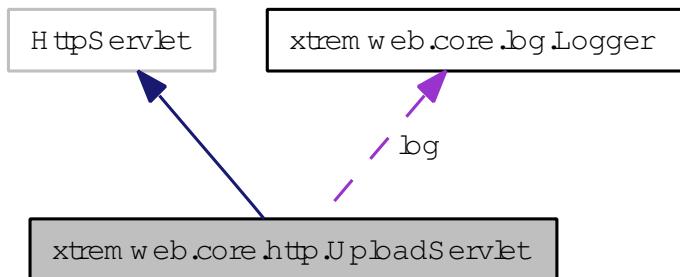
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/examples/**Updater.java**

## 5.168 xtremweb.core.http.UploadServlet Class Reference

Inherits javax::servlet::http::HttpServlet.

Collaboration diagram for xtremweb.core.http.UploadServlet:



### Public Member Functions

- [UploadServlet \(String documentRoot\)](#)
- [UploadServlet \(\)](#)

### Protected Member Functions

- void [doGet \(HttpServletRequest request, HttpServletResponse response\) throws ServletException, IOException](#)
- void [doPost \(HttpServletRequest request, HttpServletResponse response\) throws ServletException, IOException](#)

### Package Attributes

- [Logger log = LoggerFactory.getLogger\("UploadServlet"\)](#)

### Private Attributes

- String [\\_documentRoot](#)

#### 5.168.1 Detailed Description

[UploadServlet](#) is a servlet which allows to upload data to the server. It relies on the Jakarta FileUpload package

Definition at line 35 of file UploadServlet.java.

#### 5.168.2 Constructor & Destructor Documentation

##### 5.168.2.1 xtremweb.core.http.UploadServlet.UploadServlet (String documentRoot)

Creates a new [UploadServlet](#) instance.

**Parameters:**

*documentRoot* a String value

Definition at line 46 of file UploadServlet.java.

**5.168.2.2 xtremweb.core.http.UploadServlet.UploadServlet ()**

Creates a new [UploadServlet](#) instance.

**Parameters:**

*documentRoot* a String value

Definition at line 56 of file UploadServlet.java.

References xtremweb.core.http.UploadServlet.\_documentRoot.

**5.168.3 Member Function Documentation****5.168.3.1 void xtremweb.core.http.UploadServlet.doGet (HttpServletRequest *request*, HttpServletResponse *response*) throws ServletException, IOException [protected]**

doGet [http](#) Get method

**Parameters:**

*request* a HttpServletRequest value

*response* a HttpServletResponse value

**Exceptions:**

*ServletException* if an error occurs

*IOException* if an error occurs

Definition at line 69 of file UploadServlet.java.

References xtremweb.core.log.Logger.debug(), and xtremweb.core.http.UploadServlet.log.

Here is the call graph for this function:

**5.168.3.2 void xtremweb.core.http.UploadServlet.doPost (HttpServletRequest *request*, HttpServletResponse *response*) throws ServletException, IOException [protected]**

doPost [http](#) post method

**Parameters:**

*request* a HttpServletRequest value

*response* a `HttpServletResponse` value

**Exceptions:**

`ServletException` if an error occurs

`IOException` if an error occurs

Definition at line 85 of file UploadServlet.java.

References `xtremweb.core.http.UploadServlet._documentRoot`, `xtremweb.core.log.Logger.debug()`, and `xtremweb.core.http.UploadServlet.log`.

Here is the call graph for this function:



## 5.168.4 Member Data Documentation

### 5.168.4.1 String xtremweb.core.http.UploadServlet.\_documentRoot [private]

Definition at line 37 of file UploadServlet.java.

Referenced by `xtremweb.core.http.UploadServlet.doPost()`, and `xtremweb.core.http.UploadServlet.UploadServlet()`.

### 5.168.4.2 Logger xtremweb.core.http.UploadServlet.log = LoggerFactory.getLogger("UploadServlet") [package]

Definition at line 39 of file UploadServlet.java.

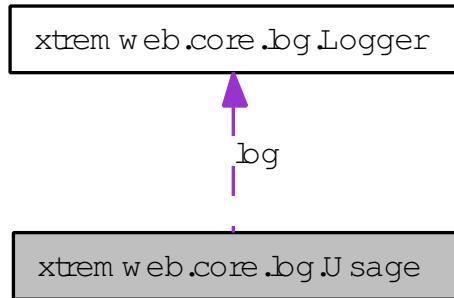
Referenced by `xtremweb.core.http.UploadServlet.doGet()`, and `xtremweb.core.http.UploadServlet.doPost()`.

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/http/[UploadServlet.java](#)

## 5.169 xtremweb.core.log.Usage Class Reference

Collaboration diagram for xtremweb.core.log.Usage:



### Public Member Functions

- void `title()`
- void `usage(String mesg)`
- void `section(String msg)`
- void `ln()`
- void `option(String option, String description)`
- void `option(String shortOption, String longOption, String description)`

### Static Public Attributes

- static `Logger log = LoggerFactory.getLogger("")`

### Private Member Functions

- String `addTab(int tab, String msg)`

### Static Private Attributes

- static final int `OPTION_TAB = 2`
- static final int `DESCRIPTION_TAB = 32`
- static final int `DESCRIPTION_LEN = 64`
- static final String `ln = System.getProperty("line.separator")`

### 5.169.1 Detailed Description

[Usage.java](#)

Created: Fri Apr 14 10:46:03 2006

#### Author:

Gilles Fedak

**Version:**

1.0

Definition at line 12 of file Usage.java.

## 5.169.2 Member Function Documentation

### 5.169.2.1 String xtremweb.core.log.Usage.addTab (int *tab*, String *msg*) [private]

Definition at line 21 of file Usage.java.

Referenced by xtremweb.core.log.Usage.option().

### 5.169.2.2 void xtremweb.core.log.Usage.ln ()

ln new line.

Definition at line 59 of file Usage.java.

References xtremweb.core.log.Logger.info(), and xtremweb.core.log.Usage.log.

Referenced by xtremweb.core.log.Usage.option().

Here is the call graph for this function:



### 5.169.2.3 void xtremweb.core.log.Usage.option (String *shortOption*, String *longOption*, String *description*)

option displays short option (4 char max), long option and description.

**Parameters:**

*shortOption* a String value

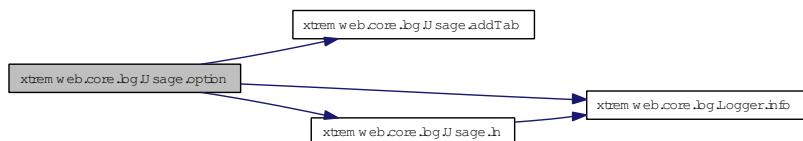
*longOption* a String value

*description* a String value

Definition at line 81 of file Usage.java.

References xtremweb.core.log.Usage.addTab(), xtremweb.core.log.Usage.DESCRIPTION\_LEN, xtremweb.core.log.Usage.DESCRIPTION\_TAB, xtremweb.core.log.Logger.info(), xtremweb.core.log.Usage.ln(), xtremweb.core.log.Usage.log, and xtremweb.core.log.Usage.OPTION\_TAB.

Here is the call graph for this function:



**5.169.2.4 void xtremweb.core.log.Usage.option (String *option*, String *description*)**

*option* displays long option and description

**Parameters:**

*option* a String value

*description* a String value

Definition at line 69 of file Usage.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.usage(), xtremweb.role.bench.Bench.usage(). and

**5.169.2.5 void xtremweb.core.log.Usage.section (String *msg*)**

*section* displays heading section.

**Parameters:**

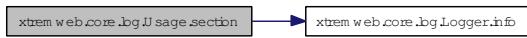
*msg* a String value

Definition at line 51 of file Usage.java.

References xtremweb.core.log.Logger.info(), and xtremweb.core.log.Usage.log.

Referenced by xtremweb.role.cmdline.CommandLineTool.usage().

Here is the call graph for this function:

**5.169.2.6 void xtremweb.core.log.Usage.title ()**

*title* displays title.

Definition at line 33 of file Usage.java.

References xtremweb.core.log.Logger.info(), and xtremweb.core.log.Usage.log.

Referenced by xtremweb.role.cmdline.CommandLineTool.usage().

Here is the call graph for this function:

**5.169.2.7 void xtremweb.core.log.Usage.usage (String *mesg*)**

*usage* displays short usage.

**Parameters:**

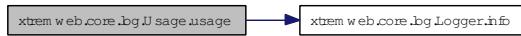
*mesg* a String value

Definition at line 42 of file Usage.java.

References xtremweb.core.log.Logger.info(), and xtremweb.core.log.Usage.log.

Referenced by xtremweb.role.cmdline.CommandLineTool.usage(), xtremweb.role.bench.Bench.usage(). and xtremweb.role.bench.Bench.usage().

Here is the call graph for this function:



### 5.169.3 Member Data Documentation

#### 5.169.3.1 final int xtremweb.core.log.Usage.DESCRIPTION\_LEN = 64 [static, private]

Definition at line 17 of file Usage.java.

Referenced by xtremweb.core.log.Usage.option().

#### 5.169.3.2 final int xtremweb.core.log.Usage.DESCRIPTION\_TAB = 32 [static, private]

Definition at line 16 of file Usage.java.

Referenced by xtremweb.core.log.Usage.option().

#### 5.169.3.3 final String xtremweb.core.log.Usage.ln = System.getProperty("line.separator") [static, private]

Definition at line 19 of file Usage.java.

Referenced by xtremweb.role.cmdline.CommandLineTool.usage().

#### 5.169.3.4 Logger xtremweb.core.log.Usage.log = LoggerFactory.getLogger("") [static]

Definition at line 14 of file Usage.java.

Referenced by xtremweb.core.log.Usage.ln(), xtremweb.core.log.Usage.option(), xtremweb.core.log.Usage.section(), xtremweb.core.log.Usage.title(), and xtremweb.core.log.Usage.usage().

#### 5.169.3.5 final int xtremweb.core.log.Usage.OPTION\_TAB = 2 [static, private]

Definition at line 15 of file Usage.java.

Referenced by xtremweb.core.log.Usage.option().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/log/Usage.java

## 5.170 xtremweb.core.log.Version Class Reference

### Static Public Member Functions

- static String [versionToString\(\)](#)

### Static Public Attributes

- static final String [version](#) = "0.2.1"

#### 5.170.1 Detailed Description

[Version](#) of BitDew package.

Do not modify this file, it is generated by the build system.

Definition at line 9 of file Version.java.

#### 5.170.2 Member Function Documentation

##### 5.170.2.1 static String xtremweb.core.log.Version.versionToString() [static]

Definition at line 12 of file Version.java.

References xtremweb.core.log.Version.version.

#### 5.170.3 Member Data Documentation

##### 5.170.3.1 final String xtremweb.core.log.Version.version = "0.2.1" [static]

Definition at line 10 of file Version.java.

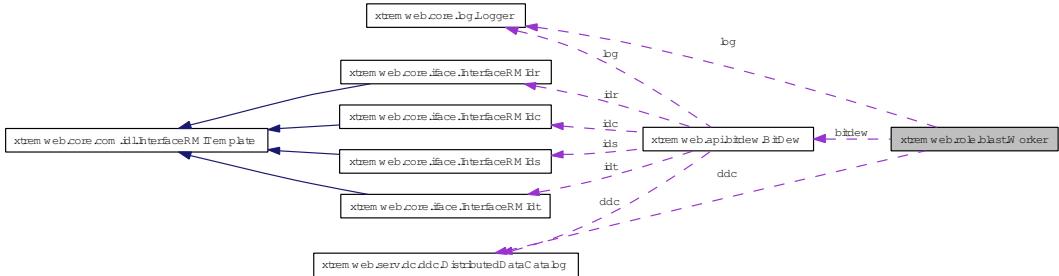
Referenced by xtremweb.core.log.Version.versionToString().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/core/log/[Version.java](#)

## 5.171 xtremweb.role.blast.Worker Class Reference

Collaboration diagram for xtremweb.role.blast.Worker:



### Public Member Functions

- `Worker (BitDew bd)`
- void `BroadCastWorkerGetData (String output, Data dataToBc, String filetol)` throws BitDewException

### Static Public Member Functions

- static void `setAppExec (String app)`
- static void `setAppOption (String appop)`
- static void `setUnzipExec (String unzip)`
- static void `setUnzipOption (String unzipop)`
- static void `setUnzipDir (String unziped)`
- static void `setAppExecDir (String appexecd)`
- static void `init ()`
- static void `UnzipFile (String fileName)`
- static void `RunApplication ()`
- static void `main (String[ ] args)` throws Exception

### Static Public Attributes

- static String `DEFAULT_APP_EXEC` = "/users/parall/hehaiwu/blast/blast-2.2.14/bin/blastall"
- static String `DEFAULT_APP_OPTION` = "-p blastn -i sequence1 -d sts"
- static String `DEFAULT_UNZIP_EXEC` = "tar"
- static String `DEFAULT_UNZIP_OPTION` = "zvxf"
- static String `DEFAULT_UNZIP_DIR` = "/tmp/btpd/data/"
- static String `DEFAULT_APPEXEC_DIR` = "/tmp/btpd/data/sts/"
- static `Logger log` = `LoggerFactory.getLogger(Worker.class)`
- static final String `DEFAULT_TEMP_DIR_NAME` = ":"
- static String `tempDirName` = `DEFAULT_TEMP_DIR_NAME`

### Protected Attributes

- `BitDew bitdew`

## Static Protected Attributes

- static [DistributedDataCatalog ddc](#) = null

## Static Package Functions

- [\[static initializer\]](#)

## Static Private Attributes

- static String [appExec](#)
- static String [appOption](#)
- static String [unzipExec](#)
- static String [unzipOption](#)
- static String [unzipDir](#)
- static String [appexecDir](#)
- static PrintStream [os](#)

### 5.171.1 Detailed Description

Definition at line 20 of file Worker.java.

### 5.171.2 Constructor & Destructor Documentation

#### 5.171.2.1 [xtremweb.role.blast.Worker.Worker \(BitDew bd\)](#)

Definition at line 83 of file Worker.java.

References [xtremweb.role.blast.Worker.bitdew](#).

Referenced by [xtremweb.role.blast.Worker.main\(\)](#).

### 5.171.3 Member Function Documentation

#### 5.171.3.1 [xtremweb.role.blast.Worker.\[static initializer\] \(\) \[static, package\]](#)

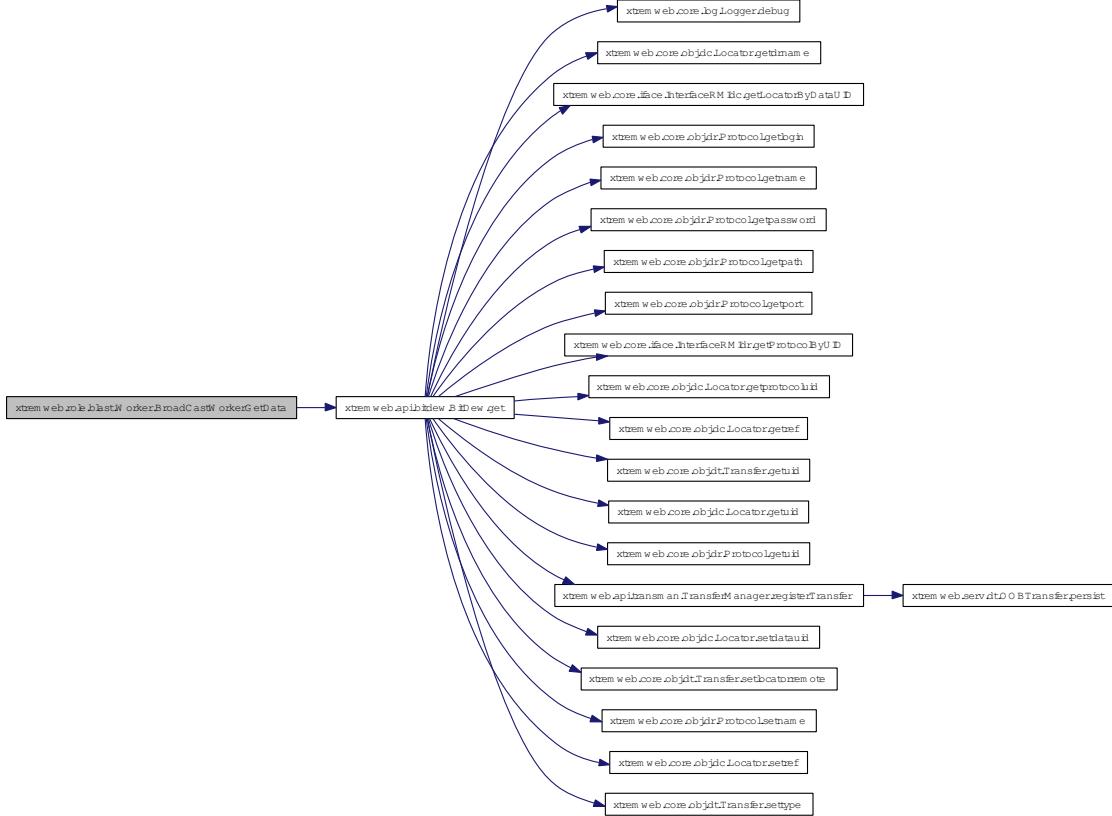
#### 5.171.3.2 [void xtremweb.role.blast.Worker.BroadCastWorkerGetData \(String output, Data dataToBc, String filetodl\) throws BitDewException](#)

Definition at line 93 of file Worker.java.

References [xtremweb.role.blast.Worker.bitdew](#), [xtremweb.api.bitdew.BitDew.get\(\)](#), [xtremweb.role.blast.Worker.os](#), and [xtremweb.role.blast.Worker.tempDirName](#).

Referenced by [xtremweb.role.blast.Worker.main\(\)](#).

Here is the call graph for this function:

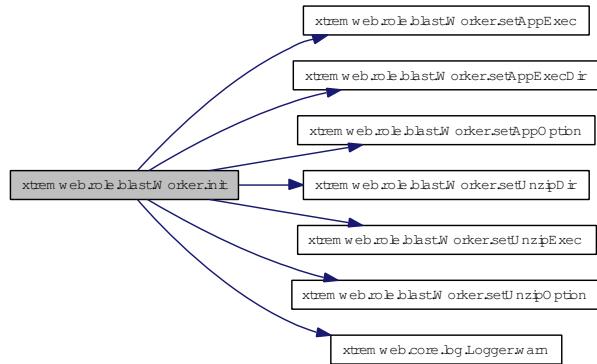


### 5.171.3.3 static void xtremweb.role.blast.Worker.init () [static]

Definition at line 65 of file Worker.java.

References `xtremweb.role.blast.Worker.DEFAULT_APP_EXEC`, `xtremweb.role.blast.Worker.DEFAULT_APP_OPTION`, `xtremweb.role.blast.Worker.DEFAULT_APPEXEC_DIR`, `xtremweb.role.blast.Worker.DEFAULT_UNZIP_DIR`, `xtremweb.role.blast.Worker.DEFAULT_UNZIP_EXEC`, `xtremweb.role.blast.Worker.DEFAULT_UNZIP_OPTION`, `xtremweb.role.blast.Worker.log`, `xtremweb.role.blast.Worker.setAppExec()`, `xtremweb.role.blast.Worker.setAppExecDir()`, `xtremweb.role.blast.Worker.setAppOption()`, `xtremweb.role.blast.Worker.setUnzipDir()`, `xtremweb.role.blast.Worker.setUnzipExec()`, `xtremweb.role.blast.Worker.setUnzipOption()`, and `xtremweb.core.log.Logger.warn()`.

Here is the call graph for this function:

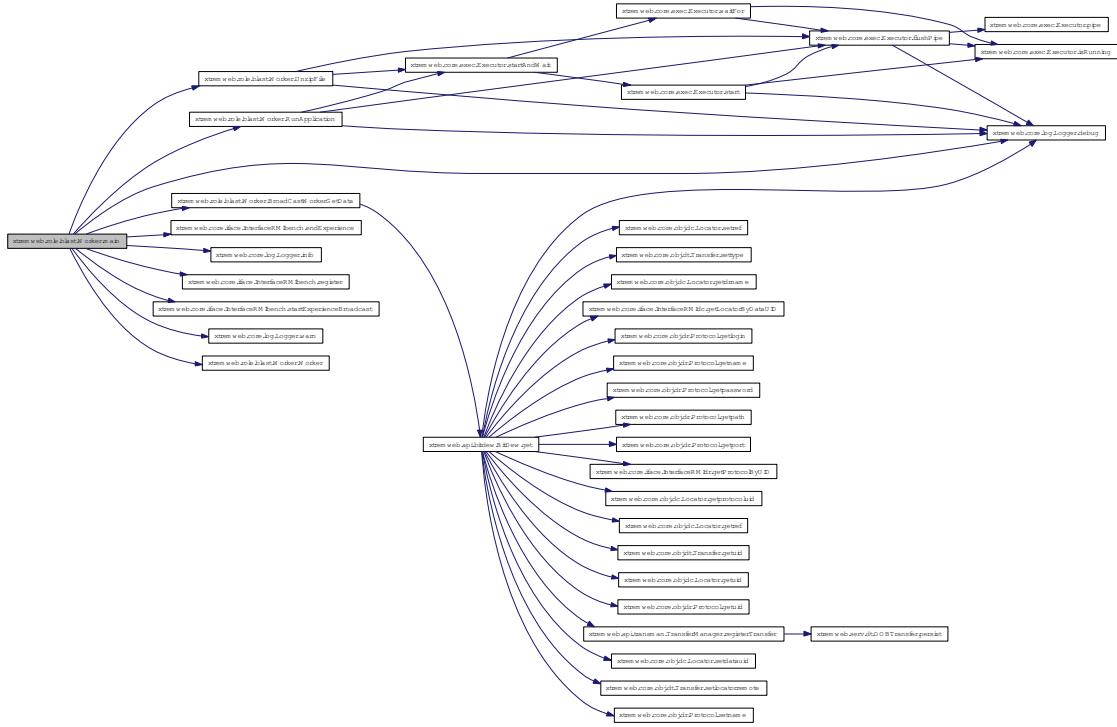


#### 5.171.3.4 static void xtremweb.role.blast.Worker.main (String[ ] args) throws Exception [static]

Definition at line 171 of file Worker.java.

References `xtremweb.role.blast.Worker.bitdew`, `xtremweb.role.blast.Worker.BroadCastWorkerGetData()`, `xtremweb.core.log.Logger.debug()`, `xtremweb.role.blast.Worker.DEFAULT_TEMP_DIR_NAME`, `xtremweb.core iface.InterfaceRMIBench.endExperience()`, `xtremweb.core.log.Logger.info()`, `xtremweb.role.blast.Worker.log`, `xtremweb.core iface.InterfaceRMIBench.register()`, `xtremweb.role.blast.Worker.RunApplication()`, `xtremweb.core iface.InterfaceRMIBench.startExperienceBroadcast()`, `xtremweb.role.blast.Worker.tempDirName`, `xtremweb.role.blast.Worker.UnzipFile()`, `xtremweb.core.log.Logger.warn()`, and `xtremweb.role.blast.Worker.Worker()`.

Here is the call graph for this function:



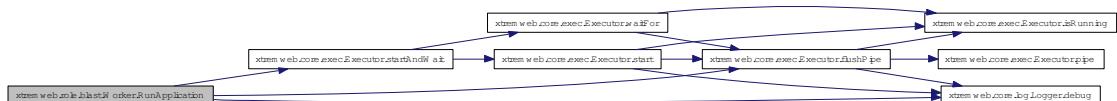
### 5.171.3.5 static void xtremweb.role.blast.Worker.RunApplication () [static]

Definition at line 155 of file Worker.java.

References [xtremweb.role.blast.Worker.appExec](#), [xtremweb.role.blast.Worker.appexecDir](#), [xtremweb.role.blast.Worker.appOption](#), [xtremweb.core.log.Logger.debug\(\)](#), [xtremweb.core.exec.Executor.flushPipe\(\)](#), [xtremweb.role.blast.Worker.log](#), and [xtremweb.core.exec.Executor.startAndWait\(\)](#).

Referenced by [xtremweb.role.blast.Worker.main\(\)](#).

Here is the call graph for this function:



### 5.171.3.6 static void xtremweb.role.blast.Worker.setAppExec (String app) [static]

Definition at line 45 of file Worker.java.

References [xtremweb.role.blast.Worker.appExec](#).

Referenced by `xtremweb.role.blast.Worker.init()`.

#### **5.171.3.7 static void xtremweb.role.blast.Worker.setAppExecDir (String *appexecd*) [static]**

Definition at line 61 of file `Worker.java`.

References `xtremweb.role.blast.Worker.appexecDir`.

Referenced by `xtremweb.role.blast.Worker.init()`.

#### **5.171.3.8 static void xtremweb.role.blast.Worker.setAppOption (String *appop*) [static]**

Definition at line 48 of file `Worker.java`.

References `xtremweb.role.blast.Worker.appOption`.

Referenced by `xtremweb.role.blast.Worker.init()`.

#### **5.171.3.9 static void xtremweb.role.blast.Worker.setUnzipDir (String *unzipd*) [static]**

Definition at line 58 of file `Worker.java`.

References `xtremweb.role.blast.Worker.unzipDir`.

Referenced by `xtremweb.role.blast.Worker.init()`.

#### **5.171.3.10 static void xtremweb.role.blast.Worker.setUnzipExec (String *unzip*) [static]**

Definition at line 51 of file `Worker.java`.

References `xtremweb.role.blast.Worker.unzipExec`.

Referenced by `xtremweb.role.blast.Worker.init()`.

#### **5.171.3.11 static void xtremweb.role.blast.Worker.setUnzipOption (String *unzipop*) [static]**

Definition at line 54 of file `Worker.java`.

References `xtremweb.role.blast.Worker.unzipOption`.

Referenced by `xtremweb.role.blast.Worker.init()`.

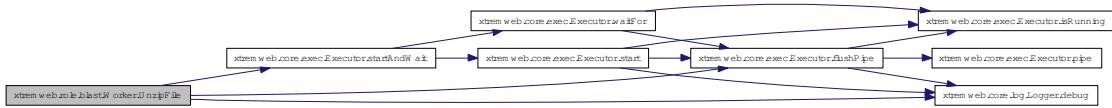
#### **5.171.3.12 static void xtremweb.role.blast.Worker.UnzipFile (String *fileName*) [static]**

Definition at line 140 of file `Worker.java`.

References `xtremweb.core.log.Logger.debug()`, `xtremweb.core.exec.Executor.flushPipe()`,  
`xtremweb.role.blast.Worker.log`, `xtremweb.core.exec.Executor.startAndWait()`,  
`xtremweb.role.blast.Worker.unzipDir`, `xtremweb.role.blast.Worker.unzipExec`, and  
`xtremweb.role.blast.Worker.unzipOption`.

Referenced by `xtremweb.role.blast.Worker.main()`.

Here is the call graph for this function:



## 5.171.4 Member Data Documentation

### 5.171.4.1 String xtremweb.role.blast.Worker.appExec [static, private]

Definition at line 29 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.RunApplication(), and xtremweb.role.blast.Worker.setAppExec().

### 5.171.4.2 String xtremweb.role.blast.Worker.appexecDir [static, private]

Definition at line 34 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.RunApplication(), and xtremweb.role.blast.Worker.setAppExecDir().

### 5.171.4.3 String xtremweb.role.blast.Worker.appOption [static, private]

Definition at line 30 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.RunApplication(), and xtremweb.role.blast.Worker.setAppOption().

### 5.171.4.4 BitDew xtremweb.role.blast.Worker.bitdew [protected]

Definition at line 37 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.BroadCastWorkerGetData(), xtremweb.role.blast.Worker.main(), and xtremweb.role.blast.Worker.Worker().

### 5.171.4.5 DistributedDataCatalog xtremweb.role.blast.Worker.ddc = null [static, protected]

Definition at line 36 of file Worker.java.

### 5.171.4.6 String xtremweb.role.blast.Worker.DEFAULT\_APP\_EXEC = "/users/parall/hehaiwu/blast/blast-2.2.14/bin/blastall" [static]

Definition at line 22 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.init().

**5.171.4.7 String xtremweb.role.blast.Worker.DEFAULT\_APP\_OPTION = "-p blastn -i sequence1 -d sts"** [static]

Definition at line 23 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.init().

**5.171.4.8 String xtremweb.role.blast.Worker.DEFAULT\_APPEXEC\_DIR = "/tmp/btpd/data/sts/"** [static]

Definition at line 27 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.init().

**5.171.4.9 final String xtremweb.role.blast.Worker.DEFAULT\_TEMP\_DIR\_NAME = ":"** [static]

Definition at line 86 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.main().

**5.171.4.10 String xtremweb.role.blast.Worker.DEFAULT\_UNZIP\_DIR = "/tmp/btpd/data/"** [static]

Definition at line 26 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.init().

**5.171.4.11 String xtremweb.role.blast.Worker.DEFAULT\_UNZIP\_EXEC = "tar"** [static]

Definition at line 24 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.init().

**5.171.4.12 String xtremweb.role.blast.Worker.DEFAULT\_UNZIP\_OPTION = "zvxf"** [static]

Definition at line 25 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.init().

**5.171.4.13 Logger xtremweb.role.blast.Worker.log = LoggerFactory.getLogger(Worker.class)** [static]

Definition at line 39 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.init(), xtremweb.role.blast.Worker.main(), xtremweb.role.blast.Worker.RunApplication(), and xtremweb.role.blast.Worker.UnzipFile().

**5.171.4.14 PrintStream xtremweb.role.blast.Worker.os** [static, private]

Definition at line 38 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.BroadCastWorkerGetData().

**5.171.4.15 String xtremweb.role.blast.Worker.tempDirName = DEFAULT\_TEMP\_DIR\_NAME [static]**

Definition at line 87 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.BroadCastWorkerGetData(), and xtremweb.role.blast.Worker.main().

**5.171.4.16 String xtremweb.role.blast.Worker.unzipDir [static, private]**

Definition at line 33 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.setUnzipDir(), and xtremweb.role.blast.Worker.UnzipFile().

**5.171.4.17 String xtremweb.role.blast.Worker.unzipExec [static, private]**

Definition at line 31 of file Worker.java.

Referenced by xtremweb.role.blast.Worker.setUnzipExec(), and xtremweb.role.blast.Worker.UnzipFile().

**5.171.4.18 String xtremweb.role.blast.Worker.unzipOption [static, private]**

Definition at line 32 of file Worker.java.

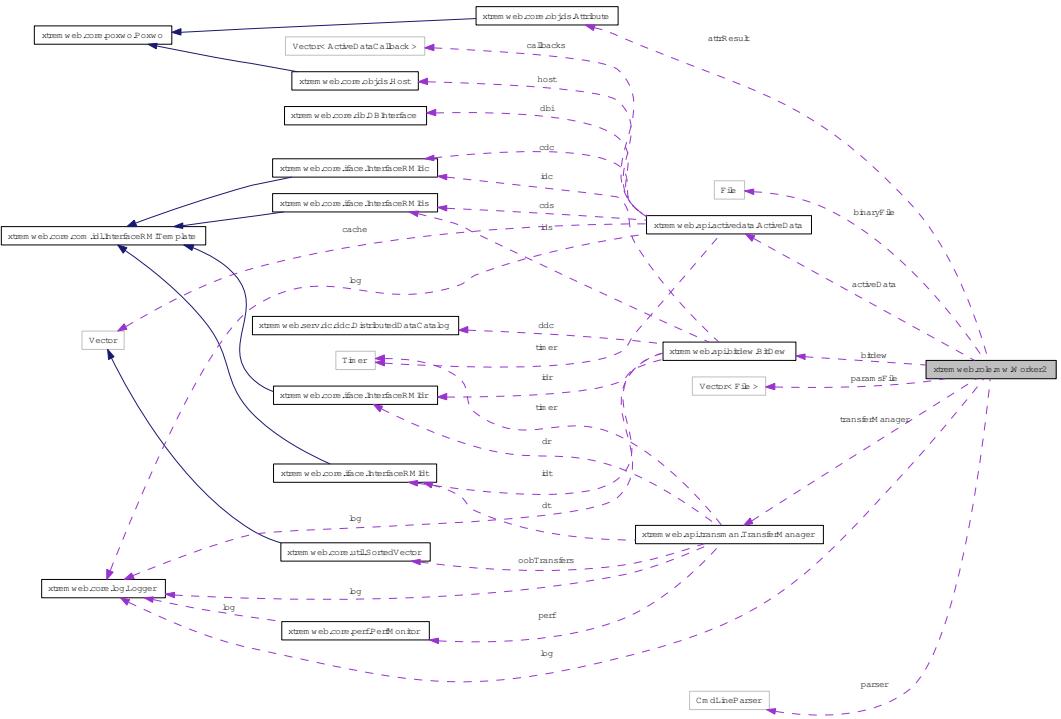
Referenced by xtremweb.role.blast.Worker.setUnzipOption(), and xtremweb.role.blast.Worker.UnzipFile().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/blast/[Worker.java](#)

## 5.172 xtremweb.role.mw.Worker2 Class Reference

Collaboration diagram for xtremweb.role.mw.Worker2:



## Classes

- class [WorkerCallback](#)

## Public Member Functions

- [Worker2](#) (`String[ ] args`)

## Static Public Member Functions

- static void [usage](#) ()
- static void [main](#) (`String[ ] args`) throws `Exception`

## Public Attributes

- int [test](#)

## Static Public Attributes

- static int [EXECUTION\\_TIME](#) = 10000

## Package Attributes

- `Logger log = LoggerFactory.getLogger(Worker2.class)`
- `BitDew bitdew = null`
- `ActiveData activeData = null`
- `TransferManager transferManager = null`
- `CmdLineParser parser = new CmdLineParser()`
- `Attribute attrResult = null`
- `File binaryFile`
- `Vector< File > paramsFile`

### 5.172.1 Detailed Description

Definition at line 33 of file Worker2.java.

### 5.172.2 Constructor & Destructor Documentation

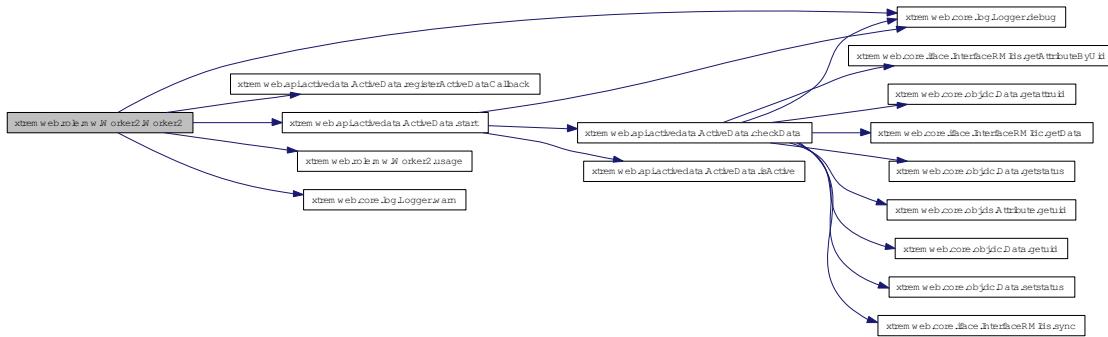
#### 5.172.2.1 xtremweb.role.mw.Worker2.Worker2 (String[ ] args)

Definition at line 47 of file Worker2.java.

References `xtremweb.role.mw.Worker2.activeData`, `xtremweb.role.mw.Worker2.bitdew`, `xtremweb.core.log.Logger.debug()`, `xtremweb.role.mw.Worker2.log`, `xtremweb.role.mw.Worker2.parser`, `xtremweb.api.activedata.ActiveData.registerActiveDataCallback()`, `xtremweb.api.activedata.ActiveData.start()`, `xtremweb.role.mw.Worker2.transferManager`, `xtremweb.role.mw.Worker2.usage()`, and `xtremweb.core.log.Logger.warn()`.

Referenced by `xtremweb.role.mw.Worker2.main()`.

Here is the call graph for this function:



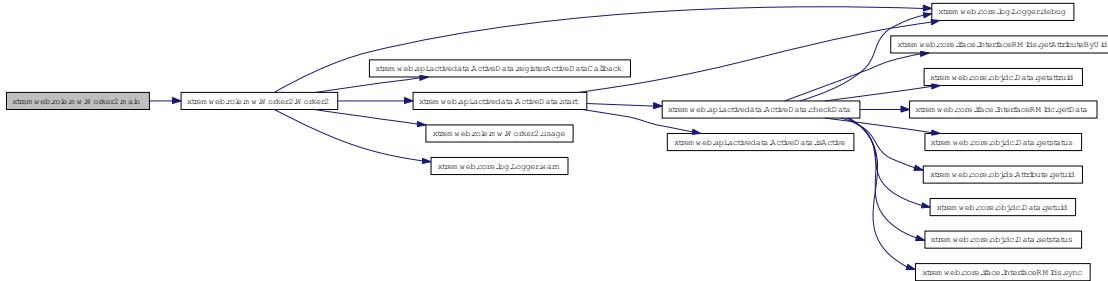
### 5.172.3 Member Function Documentation

#### 5.172.3.1 static void xtremweb.role.mw.Worker2.main (String[ ] args) throws Exception [static]

Definition at line 88 of file Worker2.java.

References `xtremweb.role.mw.Worker2.Worker2()`.

Here is the call graph for this function:



### 5.172.3.2 static void xtremweb.role.mw.Worker2.usage () [static]

Definition at line 84 of file Worker2.java.

Referenced by xtremweb.role.mw.Worker2.Worker2().

## 5.172.4 Member Data Documentation

### 5.172.4.1 ActiveData xtremweb.role.mw.Worker2.activeData = null [package]

Definition at line 37 of file Worker2.java.

Referenced by xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(), and xtremweb.role.mw.Worker2.Worker2().

### 5.172.4.2 Attribute xtremweb.role.mw.Worker2.attrResult = null [package]

Definition at line 40 of file Worker2.java.

Referenced by xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled().

### 5.172.4.3 File xtremweb.role.mw.Worker2.binaryFile [package]

Definition at line 41 of file Worker2.java.

Referenced by xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled().

### 5.172.4.4 BitDew xtremweb.role.mw.Worker2.bitdew = null [package]

Definition at line 36 of file Worker2.java.

Referenced by xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(), and xtremweb.role.mw.Worker2.Worker2().

### 5.172.4.5 int xtremweb.role.mw.Worker2.EXECUTION\_TIME = 10000 [static]

Definition at line 44 of file Worker2.java.

Referenced by xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled().

**5.172.4.6 Logger xtremweb.role.mw.Worker2.log = LoggerFactory.getLogger(Worker2.class)** [package]

Definition at line 35 of file Worker2.java.

Referenced by xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(), and xtremweb.role.mw.Worker2.Worker2().

**5.172.4.7 Vector<File> xtremweb.role.mw.Worker2.paramsFile [package]**

Definition at line 42 of file Worker2.java.

**5.172.4.8 CmdLineParser xtremweb.role.mw.Worker2.parser = new CmdLineParser()** [package]

Definition at line 39 of file Worker2.java.

Referenced by xtremweb.role.mw.Worker2.Worker2().

**5.172.4.9 int xtremweb.role.mw.Worker2.test**

Definition at line 45 of file Worker2.java.

**5.172.4.10 TransferManager xtremweb.role.mw.Worker2.transferManager = null** [package]

Definition at line 38 of file Worker2.java.

Referenced by xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled(), and xtremweb.role.mw.Worker2.Worker2().

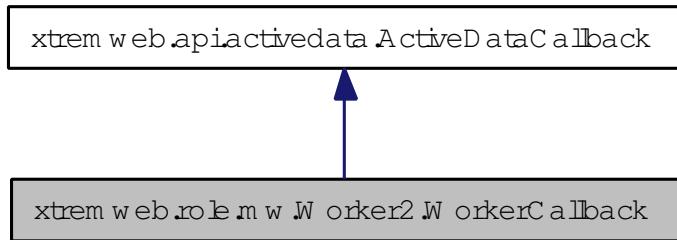
The documentation for this class was generated from the following file:

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/mw/[Worker2.java](#)

## 5.173 xtremweb.role.mw.Worker2.WorkerCallback Class Reference

Inherits [xtremweb::api::activedata::ActiveDataCallback](#).

Collaboration diagram for xtremweb.role.mw.Worker2.WorkerCallback:



### Public Member Functions

- [void onDataScheduled \(Data data, Attribute attr\)](#)
- [void onDataDeleted \(Data data, Attribute attr\)](#)

#### 5.173.1 Detailed Description

Definition at line 92 of file Worker2.java.

#### 5.173.2 Member Function Documentation

##### 5.173.2.1 void xtremweb.role.mw.Worker2.WorkerCallback.onDataDeleted (Data *data*, Attribute *attr*)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 111 of file Worker2.java.

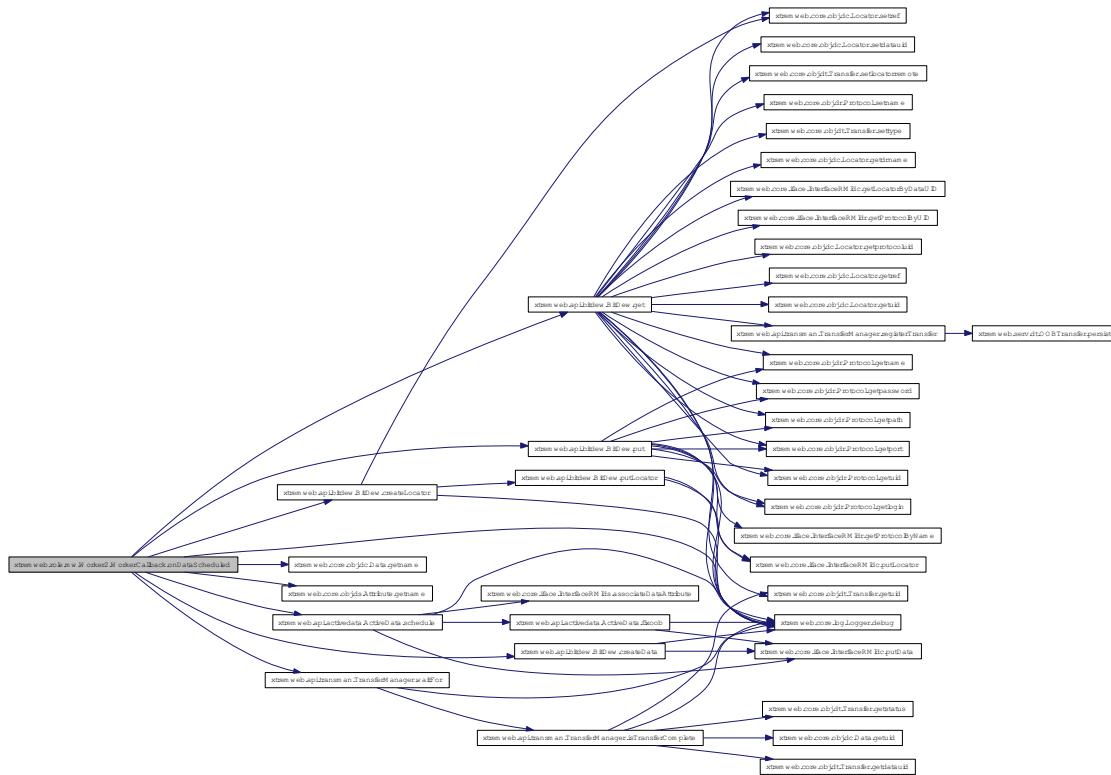
##### 5.173.2.2 void xtremweb.role.mw.Worker2.WorkerCallback.onDataScheduled (Data *data*, Attribute *attr*)

Implements [xtremweb.api.activedata.ActiveDataCallback](#).

Definition at line 94 of file Worker2.java.

References	<a href="#">xtremweb.role.mw.Worker2.activeData</a> , <a href="#">xtremweb.role.mw.Worker2.binaryFile</a> , <a href="#">xtremweb.api.bitdew.BitDew.createData()</a> , <a href="#">xtremweb.core.log.Logger.debug()</a> , <a href="#">TIME</a> , <a href="#">xtremweb.api.bitdew.BitDew.get()</a> , <a href="#">xtremweb.core.obj.ds.Attribute.getname()</a> , <a href="#">xtremweb.api.bitdew.BitDew.put()</a> , <a href="#">xtremweb.role.mw.Worker2.transferManager</a> , and <a href="#">xtremweb.api.transman.TransferManager.waitFor()</a> .	xtr	<a href="#">emweb.role.mw.Worker2.attrResult</a> , <a href="#">xtr</a> <a href="#">emweb.role.mw.Worker2.bitdew</a> , <a href="#">xtr</a> <a href="#">emweb.api.bitdew.BitDew.createLocator()</a> , <a href="#">xtr</a> <a href="#">emweb.role.mw.Worker2.EXECUTION_-</a> <a href="#">xtr</a> <a href="#">emweb.core.obj.dc.Data.getname()</a> , <a href="#">xtr</a> <a href="#">emweb.role.mw.Worker2.log</a> , <a href="#">xtr</a> <a href="#">emweb.api.activedata.ActiveData.schedule()</a>
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Here is the call graph for this function:



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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/role/mw/Worker2.java

## 5.174 xtremweb.serv.bench.Callbackbench.WorkerId Class Reference

### Public Member Functions

- void [setResults](#) (int *rounds*, long *time*, Vector *v*)
- String [toString](#) ()

### Public Attributes

- String [name](#)
- int [index](#)
- long [timeShift](#)
- String[ ] [values](#) = null
- long[ ] [xp](#)

### Package Functions

- [WorkerId](#) (String *n*, int *i*, long *ts*, int *rounds*)

#### 5.174.1 Detailed Description

Definition at line 169 of file Callbackbench.java.

#### 5.174.2 Constructor & Destructor Documentation

##### 5.174.2.1 xtremweb.serv.bench.Callbackbench.WorkerId (String *n*, int *i*, long *ts*, int *rounds*) [package]

Definition at line 176 of file Callbackbench.java.

References xtremweb.serv.bench.Callbackbench.WorkerId.index, xtremweb.serv.bench.Callbackbench.WorkerId.name, xtremweb.serv.bench.Callbackbench.WorkerId.timeShift, and xtremweb.serv.bench.Callbackbench.WorkerId.xp.

#### 5.174.3 Member Function Documentation

##### 5.174.3.1 void xtremweb.serv.bench.Callbackbench.WorkerId.setResults (int *rounds*, long *time*, Vector *v*)

Definition at line 183 of file Callbackbench.java.

References xtremweb.serv.bench.Callbackbench.WorkerId.xp.

##### 5.174.3.2 String xtremweb.serv.bench.Callbackbench.WorkerId.toString ()

Definition at line 188 of file Callbackbench.java.

References xtremweb.serv.bench.Callbackbench.WorkerId.index, and xtremweb.serv.bench.Callbackbench.WorkerId.name.

Referenced by xtremweb.serv.bench.CallbackBroadCastBench.register(), and xtremweb.serv.bench.Callbackbench.register().

## 5.174.4 Member Data Documentation

### 5.174.4.1 int xtremweb.serv.bench.Callbackbench.WorkerId.index

Definition at line 171 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.Callbackbench.WorkerId.toString(), and xtremweb.serv.bench.Callbackbench.WorkerId.WorkerId().

### 5.174.4.2 String xtremweb.serv.bench.Callbackbench.WorkerId.name

Definition at line 170 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.Callbackbench.WorkerId.toString(), and xtremweb.serv.bench.Callbackbench.WorkerId.WorkerId().

### 5.174.4.3 long xtremweb.serv.bench.Callbackbench.WorkerId.timeShift

Definition at line 172 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.Callbackbench.WorkerId.WorkerId().

### 5.174.4.4 String [ ] xtremweb.serv.bench.Callbackbench.WorkerId.values = null

Definition at line 173 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.CallbackBroadCastBench.getValues(), and xtremweb.serv.bench.Callbackbench.getValues().

### 5.174.4.5 long [ ] xtremweb.serv.bench.Callbackbench.WorkerId.xp

Definition at line 174 of file Callbackbench.java.

Referenced by xtremweb.serv.bench.Callbackbench.WorkerId.setResults(), and xtremweb.serv.bench.Callbackbench.WorkerId.WorkerId().

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

- /Users/fedak/shared/projects/bitdew/trunk-1/src/xtremweb/serv/bench/Callbackbench.java

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