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ocsf.client

## Class AbstractClient

java.lang.Object

└ **ocsf.client.AbstractClient****All Implemented Interfaces:**

java.lang.Runnable

```
public abstract class AbstractClient
extends java.lang.Object
implements java.lang.Runnable
```

The `AbstractClient` contains all the methods necessary to set up the client side of a client-server architecture. When a client is thus connected to the server, the two programs can then exchange `Object` instances.

Method `handleMessageFromServer` must be defined by a concrete subclass. Several other hook methods may also be overridden.

Several public service methods are provided to application that use this framework.

Project Name: OCSF (Object Client-Server Framework)

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### Constructor Summary

<a href="#">AbstractClient</a> (java.lang.String host, int port)	Constructs the client.
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### Method Summary

void	<a href="#">closeConnection</a> ()	Closes the connection to the server.	Service Method
protected void	<a href="#">connectionClosed</a> ()	Hook method called after the connection has been closed.	Hook Method
protected void	<a href="#">connectionEstablished</a> ()	Hook method called after a connection has been established.	Hook Method
protected void	<a href="#">connectionException</a> (java.lang.Exception exception)		Hook Method

	Hook method called each time an exception is thrown by the client's thread that is waiting for messages from the server.	
java.lang.String	<a href="#">getHost()</a>	Service Method
java.net.InetAddress	<a href="#">getInetAddress()</a> returns the client's description.	Service Method
int	<a href="#">getPort()</a>	Service Method
protected abstract void	<a href="#">handleMessageFromServer</a> (java.lang.Object msg) Handles a message sent from the server to this client.	Slot Method
boolean	<a href="#">isConnected()</a>	Service Method
void	<a href="#">openConnection()</a> Opens the connection with the server.	Service Method
void	<a href="#">run()</a> Waits for messages from the server.	Service Method
void	<a href="#">sendToServer</a> (java.lang.Object msg) Sends an object to the server.	Service Method
void	<a href="#">setHost</a> (java.lang.String host) Sets the server host for the next connection.	Service Method
void	<a href="#">setPort</a> (int port) Sets the server port number for the next connection.	Service Method

#### Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructor Detail

### AbstractClient

```
public AbstractClient(java.lang.String host,
                     int port)
```

Constructs the client.

#### Parameters:

host - the server's host name.  
port - the port number.