Package [org.idmef.transport.server](\\\\192.168.56.1\\francois\\projects\\SECEF\\work\\java-idmef-transport-library\\build\\docs\\javadoc\\org\\idmef\\transport\\server\\package-summary.html)

## Class IDMEFHttpServer

* java.lang.Object
  + org.idmef.transport.server.IDMEFHttpServer
* public class IDMEFHttpServer

extends java.lang.Object

Server part of the IDMEF transport. This implementation provides:

* + IDMEF message reception over HTTP
  + ***Constructor Summary***

|  |  |
| --- | --- |
| **Constructors** | |
| **Constructor** | **Description** |
| [IDMEFHttpServer](#%3Cinit%3E(int,java.lang.String,org.idm)​(int port, java.lang.String context, [**IDMEFHttpMessageHandler**](file:///\\192.168.56.1\francois\projects\SECEF\work\java-idmef-transport-library\build\docs\javadoc\org\idmef\transport\server\IDMEFHttpMessageHandler.html) messageHandler) | Initializes a server. |

* + ***Method Summary***

|  |  |  |
| --- | --- | --- |
| **All Methods**[**Instance Methods**](javascript:show(2);)[**Concrete Methods**](javascript:show(8);) | | |
| **Modifier and Type** | **Method** | **Description** |
| void | [start](#start())() | Start the HTTP server. |

* + - **Methods inherited from class java.lang.Object**

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

* + ***Constructor Detail***
    - **IDMEFHttpServer**
    - public IDMEFHttpServer​(int port,
    - java.lang.String context,
    - [IDMEFHttpMessageHandler](file:///\\192.168.56.1\francois\projects\SECEF\work\java-idmef-transport-library\build\docs\javadoc\org\idmef\transport\server\IDMEFHttpMessageHandler.html) messageHandler)

throws java.io.IOException

Initializes a server. Creates the underlying HttpServer and its associated handler. The HTTP request handler:

* + - * deserializes the received JSON bytes; if deserialization fails, no further processing is performed
      * validates the deserialized IDMEFObject
      * if message is valid, calls the message handler

Parameters:

port - the TCP port on which server will listen, for instance 9999

context - the context to which server will answer, for instance "/" or "/api"

messageHandler - an instance of a class implementing IDMEFHttpMessageHandler

Throws:

java.io.IOException - if an error occurred during HttpServer creation, for instance port is not available.

* + ***Method Detail***
    - **start**

public void start()

Start the HTTP server. This method blocks until server exits or is interrupted.