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

## Class IDMEFObject

* java.lang.Object
  + org.idmef.IDMEFObject
* public class IDMEFObject

extends java.lang.Object

IDMEF base object.

This implementation provides:

* + property getting
  + property setting: no check is done on property key, check is done by IDMEFValidator
  + serialization of a IDMEFObject instance to JSON bytes
  + deserialization if JSON bytes to a IDMEFObject instance

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* + ***Constructor Summary***

|  |  |
| --- | --- |
| **Constructors** | |
| **Constructor** | **Description** |
| [IDMEFObject](#%3Cinit%3E())() | Construct an empty IDMEFObject. |

* + ***Method Summary***

|  |  |  |
| --- | --- | --- |
| **All Methods**[**Static Methods**](javascript:show(1);)[**Instance Methods**](javascript:show(2);)[**Concrete Methods**](javascript:show(8);) | | |
| **Modifier and Type** | **Method** | **Description** |
| static [**IDMEFObject**](file:///\\192.168.56.1\francois\projects\SECEF\work\java-idmef-library\build\docs\javadoc\org\idmef\IDMEFObject.html) | [deserialize](#deserialize(byte%5B%5D))​(byte[] json) | Deserialize JSON bytes to a IDMEFObject |
| boolean | [equals](#equals(java.lang.Object))​(java.lang.Object obj) | Indicates whether some other object is "equal to" this one. |
| java.lang.Object | [get](#get(java.lang.String))​(java.lang.String key) | Get a property by its key. |
| java.util.Map<java.lang.String,​java.lang.Object> | [getProperties](#getProperties())() | Get all properties of the object. |
| java.lang.Object | [put](#put(java.lang.String,java.lang.Object))​(java.lang.String key, java.lang.Object value) | Set a property of the Message. |
| byte[] | [serialize](#serialize())() | Serialize a Message to JSON bytes. |

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

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

* + ***Constructor Detail***
    - **IDMEFObject**

public IDMEFObject()

Construct an empty IDMEFObject.

* + ***Method Detail***
    - **getProperties**

public java.util.Map<java.lang.String,​java.lang.Object> getProperties()

Get all properties of the object.

Returns:

a Map containing IDMEFObject properties

* + - **get**

public java.lang.Object get​(java.lang.String key)

Get a property by its key.

Parameters:

key - the property key

Returns:

the value associated to the key or null

* + - **put**

public java.lang.Object put​(java.lang.String key, java.lang.Object value)

Set a property of the Message. If value is an array, transform it to a List before setting the property

Parameters:

key - the property key

value - the property value

Returns:

the real value that was set

* + - **equals**

public boolean equals​(java.lang.Object obj)

Indicates whether some other object is "equal to" this one.

Overrides:

equals in class java.lang.Object

Parameters:

obj - the reference object with which to compare.

Returns:

if this object is the same as the obj argument; false otherwise.

* + - **serialize**

public byte[] serialize() throws java.io.IOException

Serialize a Message to JSON bytes.

Returns:

the JSON bytes

Throws:

[IDMEFException](\\\\192.168.56.1\\francois\\projects\\SECEF\\work\\java-idmef-library\\build\\docs\\javadoc\\org\\idmef\\IDMEFException.html" \o "class in org.idmef) - if an exception occured during serialization

java.io.IOException

* + - **deserialize**

public static [IDMEFObject](\\\\192.168.56.1\\francois\\projects\\SECEF\\work\\java-idmef-library\\build\\docs\\javadoc\\org\\idmef\\IDMEFObject.html" \o "class in org.idmef) deserialize​(byte[] json) throws java.io.IOException

Deserialize JSON bytes to a IDMEFObject

Parameters:

json - the JSON bytes

Returns:

a IDMEFObject object with content filled from JSON

Throws:

java.io.IOException