com.sap.gateway.ip.core.customdev.util

**Interface Message**

public interface **Message**

**All Methods:**

|  |  |
| --- | --- |
| Modifier and Type | Method and Description |
| Void | addAttachmentHeader(String headerName, String headerValue, AttachmentWrapper attachment)  Add this value to the existing values for this headerName of the attachment. |
| void | addAttachmentObject(String id, AttachmentWrapper content)  Adds an attachment to the message using the id |
| void | clearSoapHeaders()  removes all SOAP headers of the current message |
| String | getAttachmentHeader(String headerName, AttachmentWrapper attachment)  Get all the values for this header name for the attachment. |
| Map<String,DataHandler> | getAttachments() |
| Long | getAttachmentsSize()  Returns the combined size of all message attachments |
| Map<String,AttachmentWrapper> | getAttachmentWrapperObjects()  Returns all attachments of the message |
| Object | getBody() |
| <T> T | getBody(Class<T> type) |
| long | getBodySize()  Returns the size of the message body. |
| <T> T | getHeader(String headerName, Class<T> headerType) |
| Map<String,Object> | getHeaders() |
| Map<String,Object> | getProperties() |
| Object | getProperty(String name) |
| List<SoapHeader> | getSoapHeaders()  returns the SOAP headers of the current message. |
| void | removeAttachmentHeader(String headerName, AttachmentWrapper attachment)  Remove all headers with this name. |
| void | setAttachmentHeader(String headerName, String headerValue, AttachmentWrapper attachment)  Set the value for this headerName to the attachment. |
| void | setAttachments(Map<String,DataHandler> attachments) |
| void | setAttachmentWrapperObjects(Map<String,AttachmentWrapper> attachmentObjects)  Set all the attachments associated with this message |
| void | setBody(Object exchangeBody) |
| Void | setHeader(String name, Object value) |
| Void | setHeaders(Map<String,Object> exchangeHeaders) |
| Void | setProperties(Map<String,Object> exchangeProperties) |
| void | setProperty(String name, Object value) |
| Void | setSoapHeaders(List<SoapHeader> headers)  sets the SOAP headers in a message that will be sent |

Method Detail:

* **getBody**

<T> T getBody([Class](http://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<T> type)

**Type Parameters:**

T -

**Returns:**

the exchangeBody with specific type

* **getBody**

[Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) getBody()

**Returns:**

the exchangeBodyx

* **setBody**

void setBody([Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) exchangeBody)

**Parameters:**

exchangeBody -

* **getAttachments**

[Map](http://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[DataHandler](http://docs.oracle.com/javase/7/docs/api/javax/activation/DataHandler.html?is-external=true)> getAttachments()

* **setAttachments**

void setAttachments([Map](http://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[DataHandler](http://docs.oracle.com/javase/7/docs/api/javax/activation/DataHandler.html?is-external=true)> attachments)

**Parameters:**

attachments -

* **getHeaders**

[Map](http://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> getHeaders()

**Returns:**

the exchangeHeaders

* **getHeader**

<T> T getHeader([String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) headerName,

[Class](http://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<T> headerType)

**Parameters:**

headerType - The object type in which the header value is to be returned

headerName - Name of the header to be returned

**Returns:**

the header with specific type

* **setHeaders**

void setHeaders([Map](http://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> exchangeHeaders)

**Parameters:**

exchangeHeaders -

* **setHeader**

void setHeader([String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name,

[Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value)

**Parameters:**

name -

value -

* **getProperties**

[Map](http://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> getProperties()

**Returns:**

the exchangeProperties

* **setProperties**

void setProperties([Map](http://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> exchangeProperties)

**Parameters:**

exchangeProperties - the exchangeProperties to set

* **setProperty**

void setProperty([String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name,

[Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value)

**Parameters:**

name - and value the exchangeProperties to set

* **getProperty**

[Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) getProperty([String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name)

* **getBodySize**

long getBodySize()

Returns the size of the message body. Supported body types: - String - byte[] - InputStream - cached streams - XML Sources (classes derived from Source) - XML Documents (classes derived from Document) - types convertible to InputStream

**Returns:**

Body size in bytes or -1 for unsupported types

* **getAttachmentsSize**

long getAttachmentsSize()

Returns the combined size of all message attachments

**Returns:**

Attachments size in bytes or 0 if there are no attachments

* **addAttachmentHeader**

void addAttachmentHeader([String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) headerName,

[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) headerValue,

[AttachmentWrapper](https://help.sap.com/doc/a56f52e1a58e4e2bac7f7adbf45b2e26/Cloud/en-US/com/sap/gateway/ip/core/customdev/util/AttachmentWrapper.html) attachment)

Add this value to the existing values for this headerName of the attachment.

**Parameters:**

headerName - the name of this header

headerValue - the value of this header

attachment - the attachment for which the header is to be added

* **setAttachmentHeader**

void setAttachmentHeader([String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) headerName,

[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) headerValue,

[AttachmentWrapper](https://help.sap.com/doc/a56f52e1a58e4e2bac7f7adbf45b2e26/Cloud/en-US/com/sap/gateway/ip/core/customdev/util/AttachmentWrapper.html) attachment)

Set the value for this headerName to the attachment. Replaces all existing header values with this new value.

**Parameters:**

headerName - the name of this header

headerValue - the value for this header

attachment - the attachment on which header has to be set

* **getAttachmentHeader**

[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) getAttachmentHeader([String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) headerName,

[AttachmentWrapper](https://help.sap.com/doc/a56f52e1a58e4e2bac7f7adbf45b2e26/Cloud/en-US/com/sap/gateway/ip/core/customdev/util/AttachmentWrapper.html) attachment)

Get all the values for this header name for the attachment. Returns null if no headers for this header name are available.

**Parameters:**

headerName - the name of this header

attachment - the attachment of this header

**Returns:**

a String having list of all header values

* **removeAttachmentHeader**

void removeAttachmentHeader([String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) headerName,

[AttachmentWrapper](https://help.sap.com/doc/a56f52e1a58e4e2bac7f7adbf45b2e26/Cloud/en-US/com/sap/gateway/ip/core/customdev/util/AttachmentWrapper.html) attachment)

Remove all headers with this name.

**Parameters:**

headerName - the name of this header

attachment - the attachment for which to remove header

* **getAttachmentWrapperObjects**

[Map](http://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[AttachmentWrapper](https://help.sap.com/doc/a56f52e1a58e4e2bac7f7adbf45b2e26/Cloud/en-US/com/sap/gateway/ip/core/customdev/util/AttachmentWrapper.html)> getAttachmentWrapperObjects()

Returns all attachments of the message

**Returns:**

the attachments in a map

* **setAttachmentWrapperObjects**

void setAttachmentWrapperObjects([Map](http://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[AttachmentWrapper](https://help.sap.com/doc/a56f52e1a58e4e2bac7f7adbf45b2e26/Cloud/en-US/com/sap/gateway/ip/core/customdev/util/AttachmentWrapper.html)> attachmentObjects)

Set all the attachments associated with this message

**Parameters:**

attachments - the attachments

* **addAttachmentObject**

void addAttachmentObject([String](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) id,

[AttachmentWrapper](https://help.sap.com/doc/a56f52e1a58e4e2bac7f7adbf45b2e26/Cloud/en-US/com/sap/gateway/ip/core/customdev/util/AttachmentWrapper.html) content)

Adds an attachment to the message using the id

**Parameters:**

id - the id to store the attachment under

content - the attachment

* **getSoapHeaders**

[List](http://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[SoapHeader](https://help.sap.com/doc/a56f52e1a58e4e2bac7f7adbf45b2e26/Cloud/en-US/com/sap/gateway/ip/core/customdev/util/SoapHeader.html)> getSoapHeaders()

returns the SOAP headers of the current message.

**Returns:**

the SOAP headers in a list

* **setSoapHeaders**

void setSoapHeaders([List](http://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[SoapHeader](https://help.sap.com/doc/a56f52e1a58e4e2bac7f7adbf45b2e26/Cloud/en-US/com/sap/gateway/ip/core/customdev/util/SoapHeader.html)> headers)

sets the SOAP headers in a message that will be sent

**Parameters:**

headers - the SOAP headers

* **clearSoapHeaders**

void clearSoapHeaders()

removes all SOAP headers of the current message