



Type: Socket IO API

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SOCKET IO API

This document contains the webservice technical specifications of the current component. The SDK docs cover all services that are available for public use. THRON will provide support and backward compatibility analysis only for documented services. Any undocumented service usage will not be supported and may be changed in all its parts without notice. All the elements with "M" as prefix represent the model classes used by the webservice as request or response on the messages (M<class name>). The json structure for the request /response messages fully reflect the structure of the model classes defined in this document.

How to connect to THRON PUSH Server

This section illustrates how to open a connection to THRON Push Server using Javascript in a modern browser. Users can connect using socket.io, an open-source library with HTML5 WebSockets and cross-browser fallbacks support.

Load socket.io adding a script tag with the following attributes in the head section of your web page:

```
<script type="text/javascript" src="http://<clientId>-push.thron.com/api/chatserver/socket.io/socket.io.js"></script>
```

Replace <clientId> with your client identifier.

Once the script is loaded, a global variable named *io* and its method *connect* will be available for you to use:

```
var socketioOptions = {
  "resource": "api/chatserver/socket.io",
  "sync disconnect on unload": true
};
var socket = io.connect("<clientId>-push.thron.com", socketioOptions);
```

From this moment on you can emit events for the server to listen to using the following syntax:

```
var request = {
  // Request body
};
socket.emit("<eventName>", request);
```

You can also listen for events emitted by THRON Push Server and perform actions accordingly:

```
socket.on("<eventName>", function(response) {
  // Callback body
});
```

Detailed information about event names and their body is available in later sections of this document. <eventName> can be found on all classes with stereotype "clientEvent" or "serverEvent" and the event body reflects the corresponding class structure.

MServerReady «serverEvent»

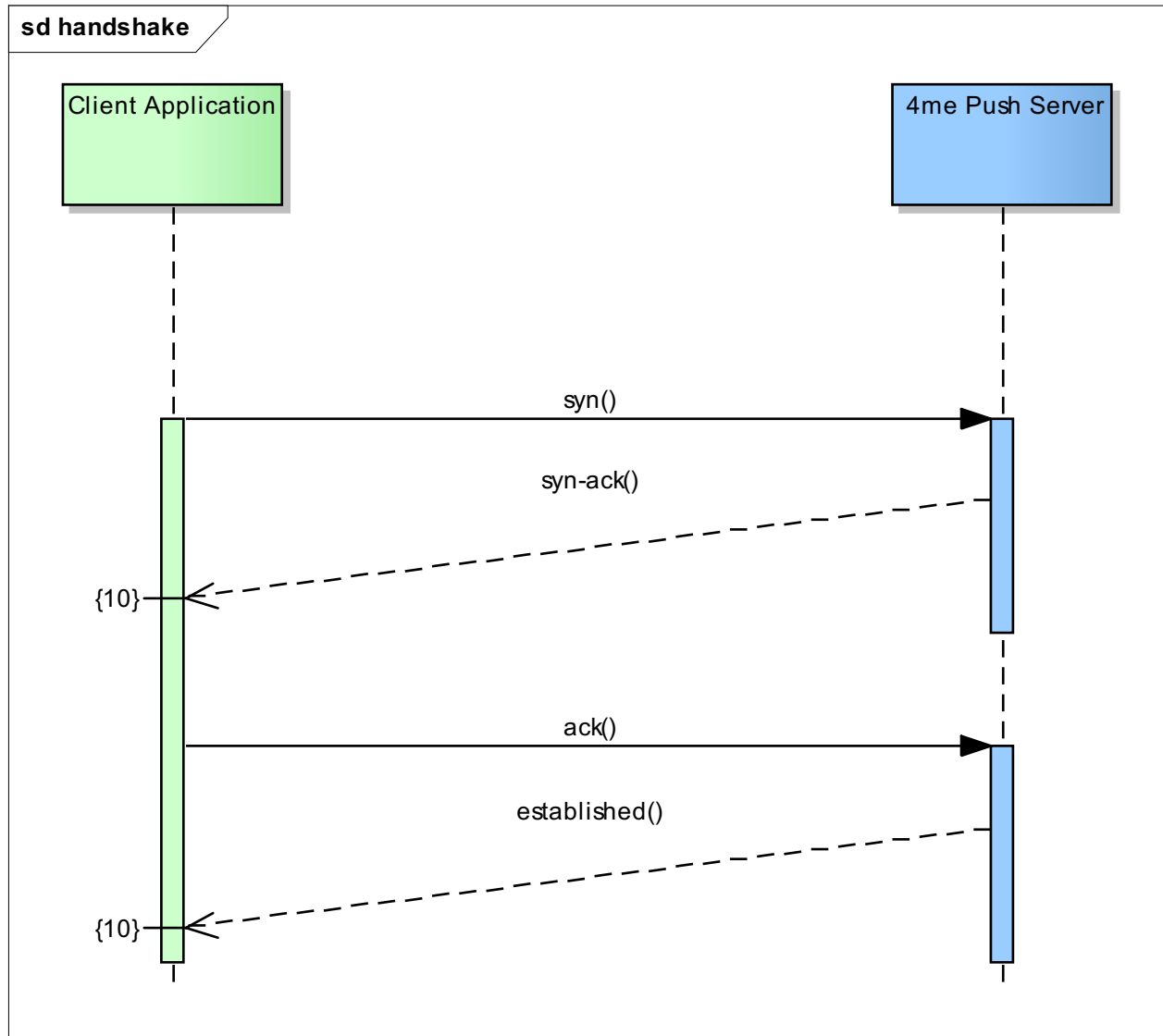
Element Type:	<<Class>>
Parent Class:	
Stereotype:	«serverEvent»
EventName:	serverReady
Notes:	Event emitted by server on

Attributes:

Attribute Name	Definition
----------------	------------

Client-Server handshake

Once the socket.io script has been loaded and a connection to the server has been opened, the client will receive a *serverReady* event; a *clientReady* event must be emitted in response to perform user authentication, then the server will confirm connection opening with a *userOnline* event. For example the class *MuserOnline* describes the structure of a *serverEvent* whereas the *MClientReady* describes the structure of a *clientEvent* message.



Following is a Javascript example that explains how to establish a connection with THRON Push Server and register the client application to listen for the "userOnline" event.

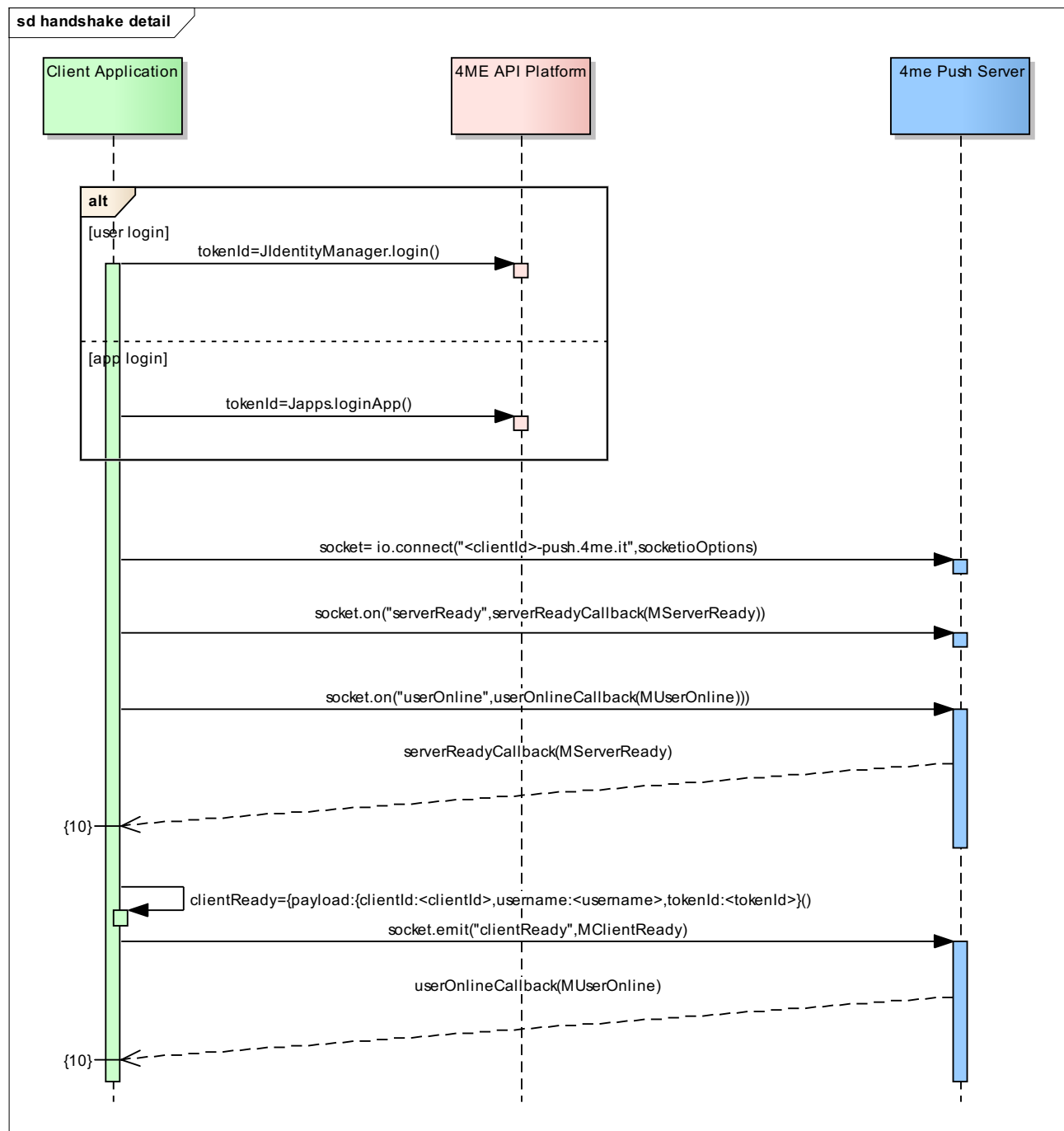
```
// Open connection with server
var username = "<username of my user or appId>";
```

```

var clientId = "<my clientId>";
//use the THRON platform API to get a valid token for your app or user.
var tokenId = "<token id for my user/application>";
//Use the THRON SDK (xadmin) Japps.loginApp service as reference to get a valid tokenId
from the Platform

var hostname = clientId + "-push.thron.com";
var socketioOptions = {
  "resource": "api/chatserver/socket.io",
  "sync disconnect on unload": true
};
var socket = io.connect(hostname, socketioOptions);
socket.on("serverReady", function (mServerReady) {
  // Server has become ready
  if (mServerReady.resultCode === "OK") {
    // Perform authentication
    var mClientReady = {
      "payload": {
        "username": username,
        "clientId": clientId,
        "tokenId": tokenId
      }
    };
    socket.emit("clientReady", mClientReady);
  }
});
socket.on("userOnline", function (mUserOnline) {
  // A user has got online
  if (mUserOnline.resultCode === "OK") {
    // Check whether or not that user was me
    if (mUserOnline.payload.username === username) {
      // I'm online!
    }
  }
});

```

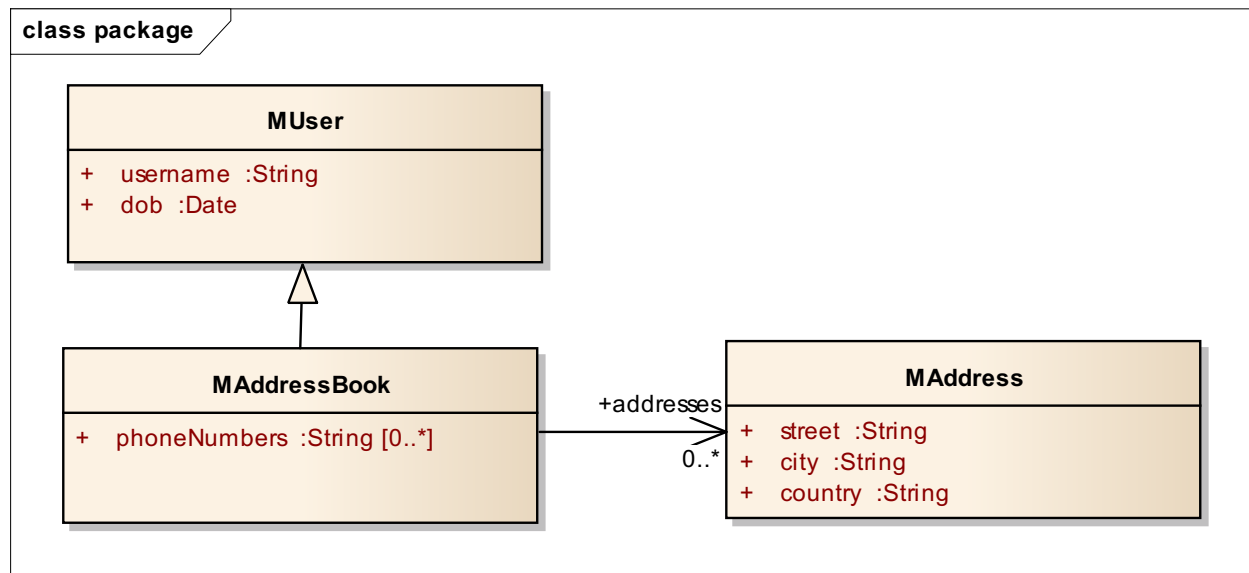


How to compose an event message

This section shows an example how to create an event body encoded in json

Example

Given the following class diagram, it is possible to represent in json format following the definition of the classes.



json representation of MAddressBook

Follows the json structure of an object belonging to Muser class.

```

{
  "username": "",
  "dob": "",
  "phoneNumbers": ["", "", ""],
  "addresses": [
    {
      "street": "",
      "city": "",
      "country": ""
    },
    {}
  ]
}
    
```

Package: EVENTS

Parent Package: model

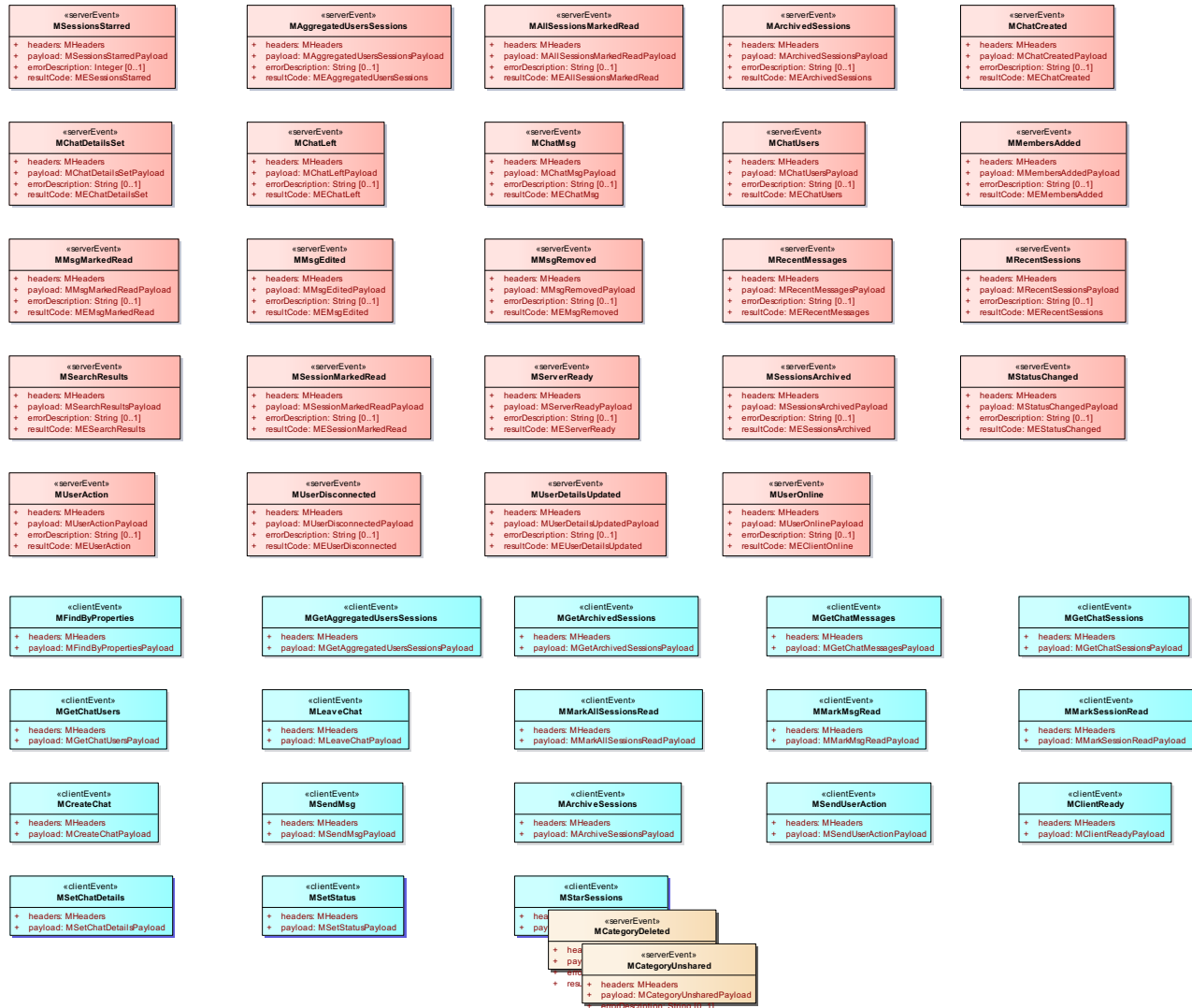


Figure: 1

MCategoryDeleted «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: categoryDeleted
Notes: Event emitted by server to signal a category has been deleted

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MCategoryDeletedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MECategoryDeleted	Multiplicity:	Visibility: Public
	Notes:		

MCategoryUnshared «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: categoryUnshared
Notes: Event emitted by server to signal a category has been deleted

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MCategoryUnsharedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MECategoryUnshared	Multiplicity:	Visibility: Public
	Notes:		

MAggregatedUsersSessions «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: aggregatedUsersSessions
Notes: Event emitted by server to return the list of chat users and the list of recent chat sessions

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MAggregatedUsersSessionsPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEAggregatedUsersSessions	Multiplicity:	Visibility: Public
	Notes:		

MAISessionsMarkedRead «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: allSessionsMarkedRead
Notes: Event emitted by server to signal all chat sessions have been marked read

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MAISessionsMarkedReadPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEAllSessionsMarkedRead	Multiplicity:	Visibility: Public
	Notes:		

MArchivedSessions «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: archivedSessions
Notes: Event emitted by server to return the list of archived chat sessions

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MArchivedSessionsPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEArchivedSessions	Multiplicity:	Visibility: Public
	Notes:		

MChatCreated «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: chatCreated
Notes: Event emitted by server to signal a chat session has been created

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MChatCreatedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEChatCreated	Multiplicity:	Visibility: Public
	Notes:		

MChatDetailsSet «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: chatDetailsSet
Notes: Event emitted by server to signal the details of a chat session has changed

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MChatDetailsSetPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEChatDetailsSet	Multiplicity:	Visibility: Public
	Notes:		

MChatLeft «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: chatLeft
Notes: Event emitted by server to signal a user has left a chat session

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MChatLeftPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEChatLeft	Multiplicity:	Visibility: Public
	Notes:		

MChatMsg «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: chatMsg
Notes: Event emitted by server to signal a chat message has been sent to a chat session

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MChatMsgPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEChatMsg	Multiplicity:	Visibility: Public
	Notes:		

MChatUsers «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: chatUsers
Notes: Event emitted by server to return the list of chat users

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MChatUsersPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEChatUsers	Multiplicity:	Visibility: Public
	Notes:		

MMembersAdded «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: membersAdded
Notes: Event emitted by server to signal users have been added to a chat session

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MMembersAddedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEMembersAdded	Multiplicity:	Visibility: Public
	Notes:		

MMsgMarkedRead «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: msgMarkedRead
Notes: Event emitted by server to signal a chat message has been marked read in a chat session

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MMsgMarkedReadPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEMsgMarkedRead	Multiplicity:	Visibility: Public
	Notes:		

MMsgEdited «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: msgEdited
Notes: Event emitted by server to signal a chat message has been modified in a chat session

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MMsgEditedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEMsgEdited	Multiplicity:	Visibility: Public
	Notes:		

MMsgRemoved «serverEvent»

Element Type:	<<Class>>
Parent Class:	
Stereotype:	«serverEvent»
EventName:	msgRemoved
Notes:	Event emitted by server to signal a chat message has been deleted from a chat session

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MMsgRemovedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEMsgRemoved	Multiplicity:	Visibility: Public
	Notes:		

MRecentMessages «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: recentMessages
Notes: Event emitted by server to return the list of messages of a given chat session

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MRecentMessagesPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MRecentMessages	Multiplicity:	Visibility: Public
	Notes:		

MRecentSessions «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: recentSessions
Notes: Event emitted by server to return the list of chat sessions

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MRecentSessionsPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MRecentSessions	Multiplicity:	Visibility: Public
	Notes:		

MSearchResults «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: searchResults
Notes: Event emitted by server to return a list of chat session matching the given search criteria.

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MSearchResultsPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MSearchResults	Multiplicity:	Visibility: Public
	Notes:		

MSessionMarkedRead «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: sessionMarkedRead
Notes: Event emitted by server to signal a chat session has been marked read

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MSessionMarkedReadPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MSessionMarkedRead	Multiplicity:	Visibility: Public
	Notes:		

MServerReady «serverEvent»

Element Type:	<<Class>>
Parent Class:	
Stereotype:	«serverEvent»
EventName:	serverReady
Notes:	Event emitted by server on connection opening. This is part of the initial client-server handshake.

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MServerReadyPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MServerReady	Multiplicity:	Visibility: Public
	Notes:		

MSessionsArchived «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: sessionsArchived
Notes: Event emitted by server to signal a list of chat sessions have been archived

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MSessionsArchivedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MESessionsArchived	Multiplicity:	Visibility: Public
	Notes:		

MSessionsStarred «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: sessionsStarred
Notes: Event emitted by server to signal a list of chat sessions have been starred

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MSessionsStarredPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: Integer	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MSessionsStarred	Multiplicity:	Visibility: Public
	Notes:		

MStatusChanged «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: statusChanged
Notes: Event emitted by server to signal the status of a chat user has changed

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MStatusChangedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MStatusChanged	Multiplicity:	Visibility: Public
	Notes:		

MUserAction «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: userAction
Notes: Event emitted by server to signal an user has performed an action

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MUserActionPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEUserAction	Multiplicity:	Visibility: Public
	Notes:		

MUserDisconnected «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: userDisconnected
Notes: Event emitted by server to signal a user has disconnected

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MUserDisconnectedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEUserDisconnected	Multiplicity:	Visibility: Public
	Notes:		

MUserDetailsUpdated «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: userDetailsUpdated
Notes: Event emitted by server to signal the details of a chat user has been updated

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MUserDetailsUpdatedPayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEUserDetailsUpdated	Multiplicity:	Visibility: Public
	Notes:		

MUserOnline «serverEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «serverEvent»
EventName: userOnline
Notes: Event emitted by server to signal a user has connected.
 This is the final event of the client-server handshake if payload.username corresponds to your user username

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MUserOnlinePayload	Multiplicity:	Visibility: Public
	Notes:		
errorDescription	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
resultCode	Type: MEClientOnline	Multiplicity:	Visibility: Public
	Notes:		

MFindByProperties «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: findByProperties
Notes: Event emitted by client to retrieve a list of chat session matching a set of criteria.
 Server event response class: MSearchResult

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MFindByPropertiesPayload	Multiplicity:	Visibility: Public
	Notes:		

MRemoveMsg «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: removeMsg
Notes: Event emitted by client to delete a chat message in a chat session.
 Server event response class: MMsgRemoved

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MRemoveMsgPayload	Multiplicity:	Visibility: Public
	Notes:		

MGetAggregatedUsersSessions «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: getAggregatedUsersSessions
Notes: Event emitted by client to retrieve the list of chat users and the list of recent chat sessions.
 Server event response class: MAggregatedUsersSessions

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MGetAggregatedUsersSessionsPayload	Multiplicity:	Visibility: Public
	Notes:		

MAddMembers «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: addMembers
Notes: Event emitted by client to add users to a chat session.
 Server event response class: MMemberAdded

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MAddMembersPayload	Multiplicity:	Visibility: Public
	Notes:		

MGetArchivedSessions «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: getArchivedSessions
Notes: Event emitted by client to retrieve the list of archived chat sessions.
 Server event response class: MArchivedSessions

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MGetArchivedSessionsPayload	Multiplicity:	Visibility: Public
	Notes:		

MEditMsg «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: editMsg
Notes: Event emitted by client to edit a chat message in a chat session.
 Server event response class: MMsgEdited

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MEditMsgPayload	Multiplicity:	Visibility: Public
	Notes:		

MGetChatMessages «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: getChatMessages
Notes: Event emitted by client to retrieve the list of messages of a given chat session.
 Server event response class: MRecentMessages

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MGetChatMessagesPayload	Multiplicity:	Visibility: Public
	Notes:		

MGetChatSessions «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: getChatSessions
Notes: Event emitted by client to retrieve the list of chat sessions.
 Server event response class: MRecentSessions

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MGetChatSessionsPayload	Multiplicity:	Visibility: Public
	Notes:		

MGetChatUsers «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: getChatUsers
Notes: Event emitted by client to retrieve the list of chat users.
 Server event response class: MChatUsers

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MGetChatUsersPayload	Multiplicity:	Visibility: Public
	Notes:		

MLeaveChat «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: leaveChat
Notes: Event emitted by client to leave a chat session.
 Server event response class: MChatLeft

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MLeaveChatPayload	Multiplicity:	Visibility: Public
	Notes:		

MMarkAllSessionsRead «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: markAllSessionsRead
Notes: Event emitted by client to mark all chat sessions read.
 Server event response class: MAllSessionsMarkedRead

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MMarkAllSessionsReadPayload	Multiplicity:	Visibility: Public
	Notes:		

MMarkMsgRead «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: markMsgRead
Notes: Event emitted by client to mark a chat message read in a chat session.
 Server event response class: MMsgMarkedRead

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MMarkMsgReadPayload	Multiplicity:	Visibility: Public
	Notes:		

MMarkSessionRead «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: markSessionRead
Notes: Event emitted by client to mark a chat session read.
 Server event response class: MSessionMarkedRead

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MMarkSessionReadPayload	Multiplicity:	Visibility: Public
	Notes:		

MCreateChat «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: createChat
Notes: Event emitted by client to create a chat session.
 Server event response class: MChatCreated

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MCreateChatPayload	Multiplicity:	Visibility: Public
	Notes:		

MSendMsg «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: sendMsg
Notes: Event emitted by client to send a new chat message to a chat session.
 Server event response class: MChatMsg

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MSendMsgPayload	Multiplicity:	Visibility: Public
	Notes:		

MArchiveSessions «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: archiveSessions
Notes: Event emitted by client to archive a list of chat sessions.
 Server event response class: MSessionArchived

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MArchiveSessionsPayload	Multiplicity:	Visibility: Public
	Notes:		

MSendUserAction «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: sendUserAction
Notes: Event emitted by client to signal the performance of an action by an user.
 Server event response class: MUserAction

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MSendUserActionPayload	Multiplicity:	Visibility: Public
	Notes:		

MClientReady «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: clientReady
Notes: Event emitted by client to authenticate himself.
 Server event response class: MUserOnline

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MClientReadyPayload	Multiplicity:	Visibility: Public
	Notes:		

MSetChatDetails «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: setChatDetails
Notes: Event emitted by client to change the details of a chat session.
 Server event response class: MChatDetailsSet

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MSetChatDetailsPayload	Multiplicity:	Visibility: Public
	Notes:		

MSetStatus «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: setStatus
Notes: Event emitted by client to change the status of a chat user.
 Server event response class: MStatusChanged

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MSetStatusPayload	Multiplicity:	Visibility: Public
	Notes:		

MStarSessions «clientEvent»

Element Type: <<Class>>
Parent Class:
Stereotype: «clientEvent»
EventName: starSessions
Notes: Event emitted by client to star a list of chat sessions.
 Server event response class: MSessionStarted

Attributes:

Attribute Name	Definition		
headers	Type: MHeaders	Multiplicity:	Visibility: Public
	Notes:		
payload	Type: MStarSessionsPayload	Multiplicity:	Visibility: Public
	Notes:		

Package: CATEGORY

Parent Package: events

This package collects payload classes used by members events like: categoryUnshared, categoryDeleted.

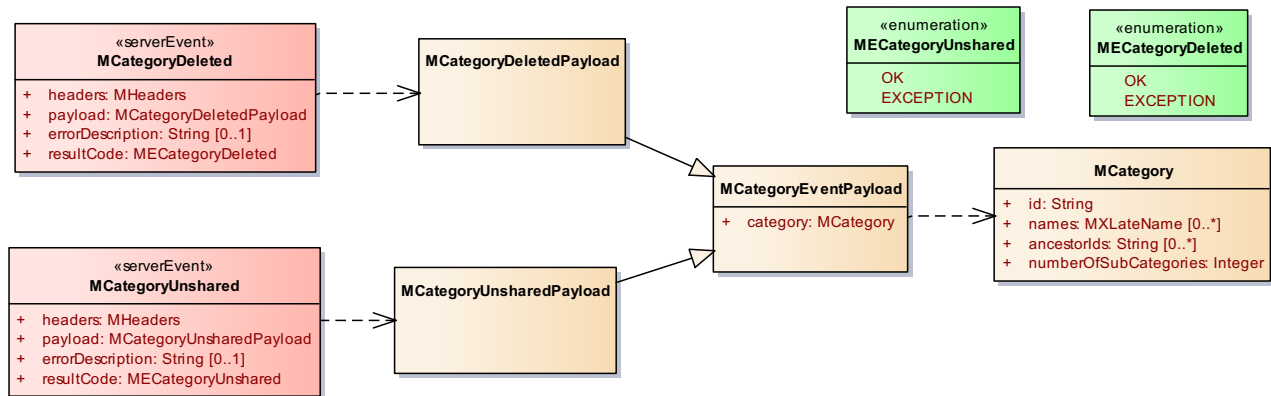


Figure: 2

MCategory

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
id	Type: String	Multiplicity:	Visibility: Public
	Notes:		
names	Type: MXLateName	Multiplicity: [0..*]	Visibility: Public
	Notes:		
ancestorIds	Type: String	Multiplicity: [0..*]	Visibility: Public
	Notes:		
numberOfSubCategories	Type: Integer	Multiplicity:	Visibility: Public
	Notes:		

MCategoryDeletedPayload

Element Type: <<Class>>
Parent Class: MCategoryEventPayload
Stereotype:
EventName:
Notes:

MCategoryEventPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
category	Type: MCategory	Multiplicity:	Visibility: Public
	Notes:		

MCategoryUnsharedPayload

Element Type: <<Class>>
Parent Class: MCategoryEventPayload
Stereotype:
EventName:
Notes:

MECategoryDeleted «enumeration»

Element Type: <<Enumeration>>

Parent Class:

Stereotype: «enumeration»

EventName:

Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		

MECategoryUnshared «enumeration»

Element Type: <<Enumeration>>

Parent Class:

Stereotype: «enumeration»

EventName:

Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		

Package: CHAT

Parent Package: events

This package collects payload classes used by chat events like:
chatDetails, chatLeft, createChat...

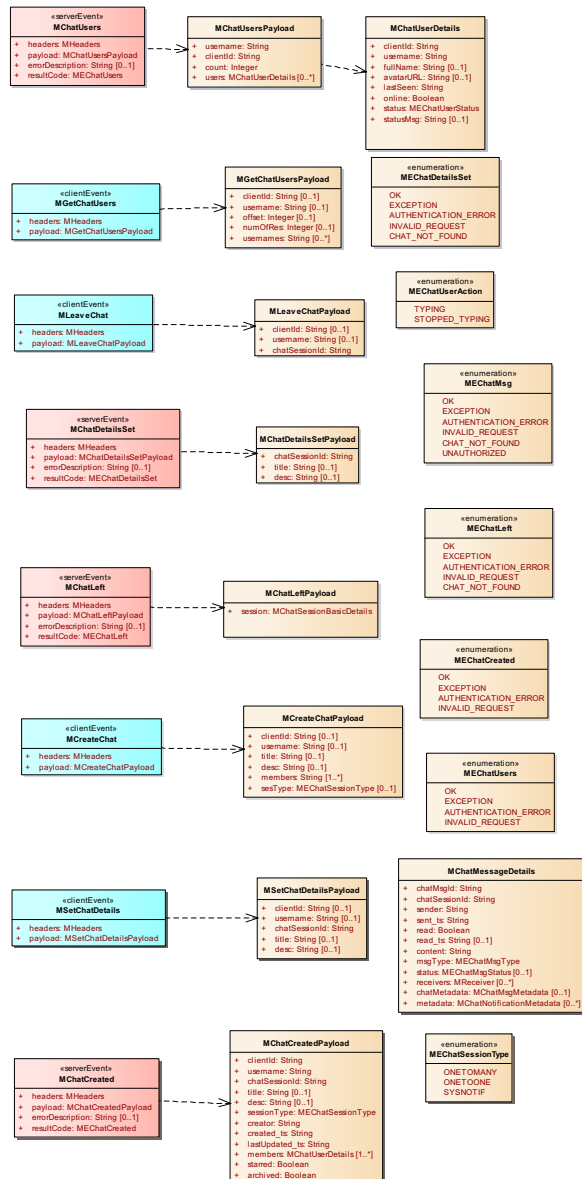


Figure: 3

MChatCreatedPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
title	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional title of chat session		
desc	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional description of chat session		
sessionType	Type: MEChatSessionType	Multiplicity:	Visibility: Public
	Notes:		
creator	Type: String	Multiplicity:	Visibility: Public
	Notes: Username of chat session creator		
created_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of chat creation		
lastUpdated_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of chat session last update, e.g.: time when last message was sent by a member		

members	Type: MChatUserDetails	Multiplicity: [1..*]	Visibility: Public
	Notes:		
starred	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not requesting user has starred the chat session		
archived	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not requesting user has archived the chat session		

MChatDetailsSetPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes: A SYSNOTIF message about chat session details changed is sent as well

Attributes:

Attribute Name	Definition		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
title	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional title of chat session		
desc	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional description of chat session		

MChatLeftPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
session	Type: MChatSessionBasicDetails	Multiplicity:	Visibility: Public
	Notes:		

MChatMessageDetails

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
chatMsgId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
sender	Type: String	Multiplicity:	Visibility: Public
	Notes: Username or appld of message sender		
sent_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of message delivery		
read	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not message has been read by the requesting user		
read_ts	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Timestamp of message reading by the requesting user		
content	Type: String	Multiplicity:	Visibility: Public
	Notes: Message body		
msgType	Type: MEChatMsgType	Multiplicity:	Visibility: Public
	Notes: the type of message, @see EChatMsgType enum		
status	Type: MEChatMsgStatus	Multiplicity: [0..1]	Visibility: Public
	Notes: status of this message, null by default, @see EChatMsgStatus enum		

receivers	Type: MReceiver	Multiplicity: [0..*]	Visibility: Public
	Notes:		
chatMetadata	Type: MChatMsgMetadata	Multiplicity: [0..1]	Visibility: Public
	Notes:		
metadata	Type: MChatNotificationMetadata	Multiplicity: [0..*]	Visibility: Public
	Notes:		

MChatUserDetails

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
fullName	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: The user display name. e.g.: "FirstName FamilyName"		
avatarURL	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Protocol-less URL of user avatar		
lastSeen	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of user last login or logout in the chat server		
online	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not user is online on the chat server (i.e., has one or more sockets active)		
status	Type: MEChatUserStatus	Multiplicity:	Visibility: Public
	Notes:		
statusMsg	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional custom message describing user status		

MChatUsersPayload

Element Type: <<Class>>
Parent Class:
Stereotype:
EventName:
Notes:

Attributes:

Attribute Name	Definition		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
count	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of users registered in the chat server for the same client Id of the requesting user (regardless whether they're online)		
users	Type: MChatUserDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		

MCreateChatPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
title	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional title of chat session		
desc	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional description of chat session		
members	Type: String	Multiplicity: [1..*]	Visibility: Public
	Notes: List of usernames of chat session members		
sesType	Type: MEChatSessionType	Multiplicity: [0..1]	Visibility: Public
	Notes:		

MEChatCreated «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEChatDetailsSet «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHAT_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEChatLeft «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHAT_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEChatMsg «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHAT_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		
UNAUTHORIZED	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEChatUserAction «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
TYPING	Type:	Multiplicity:	Visibility: Public
	Notes: User is typing		
STOPPED_TYPING	Type:	Multiplicity:	Visibility: Public
	Notes: User has stopped typing		

MEChatUsers «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		

MGetChatUsersPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
offset	Type: Integer	Multiplicity: [0..1]	Visibility: Public
	Notes:		
numOfRes	Type: Integer	Multiplicity: [0..1]	Visibility: Public
	Notes:		
usernames	Type: String	Multiplicity: [0..*]	Visibility: Public
	Notes:		

MLeaveChatPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes: the chat session ID		

MSetChatDetailsPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
title	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional title of chat session		
desc	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional description of chat session		

Package: COMMONS

Parent Package: events

This package contains common classes and enumerations used in message payloads.

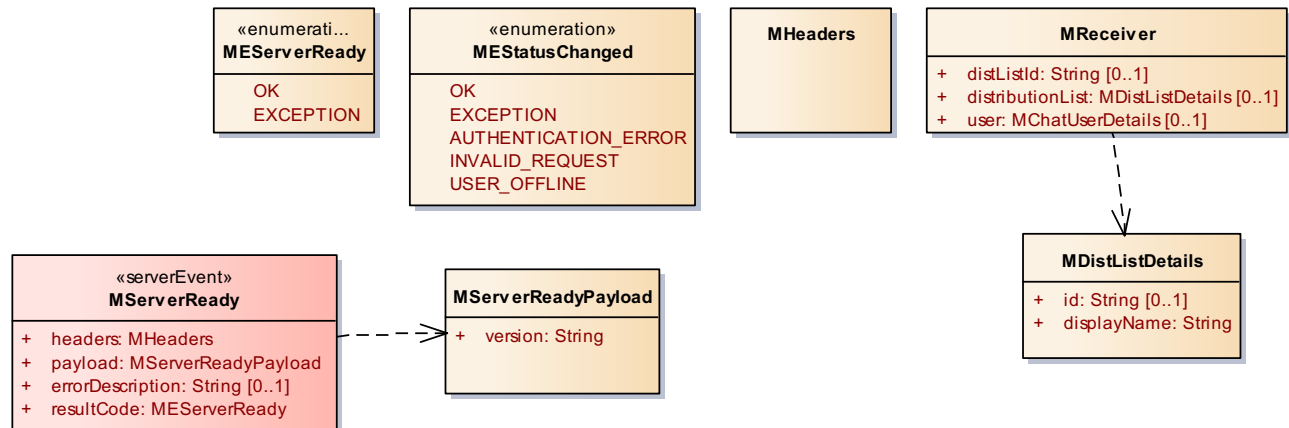


Figure: 4

MDistListDetails

Element Type: <<Class>>
Parent Class:
Stereotype:
EventName:
Notes:

Attributes:

Attribute Name	Definition		
id	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
displayName	Type: String	Multiplicity:	Visibility: Public
	Notes:		

MEServerReady «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEStatusChanged «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
USER_OFFLINE	Type:	Multiplicity:	Visibility: Public
	Notes:		

MHeaders

Element Type: <<Class>>
Parent Class:
Stereotype:
EventName:
Notes: Not used yet

MReceiver

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
distListId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes:		
distributionList	Type: MDistListDetails	Multiplicity: [0..1]	Visibility: Public
	Notes:		
user	Type: MChatUserDetails	Multiplicity: [0..1]	Visibility: Public
	Notes:		

MServerReadyPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
version	Type: String	Multiplicity:	Visibility: Public
	Notes: Chat Server version		

Package: MEMBERS

Parent Package: events

This package collects payload classes used by members events like: addMembers, membersAdded.

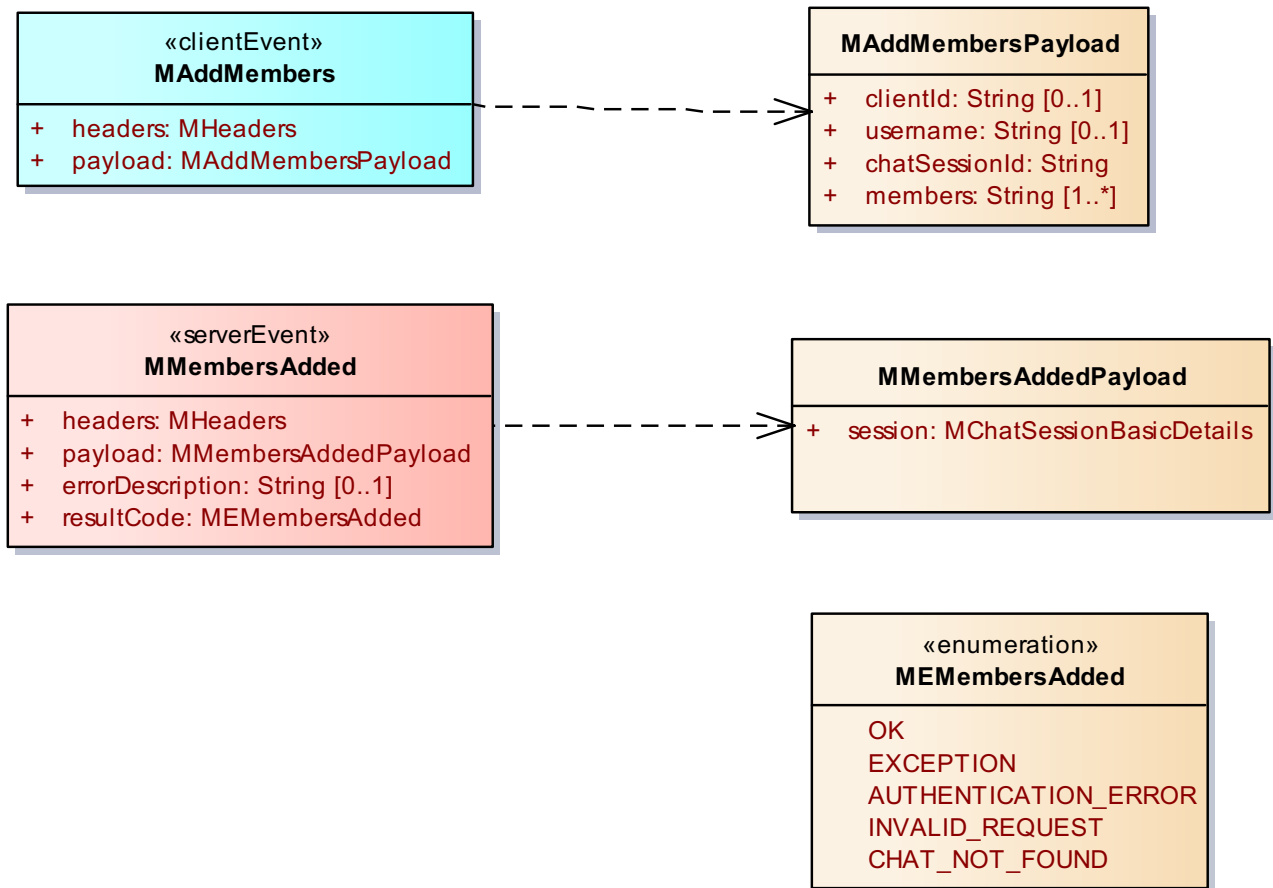


Figure: 5

MAddMembersPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
members	Type: String	Multiplicity: [1..*]	Visibility: Public
	Notes: List of chat session member usernames		

MEMembersAdded «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHAT_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		

MMembersAddedPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes: A SYSNOTIF message about user(s) added to the chat session is sent as well

Attributes:

Attribute Name	Definition		
session	Type: MChatSessionBasicDetails	Multiplicity:	Visibility: Public
	Notes:		

Package: MESSAGES

Parent Package: events

This package collects payload classes used by message events like: getChatMessages, msgEdited, recentMessages, sendMsg...

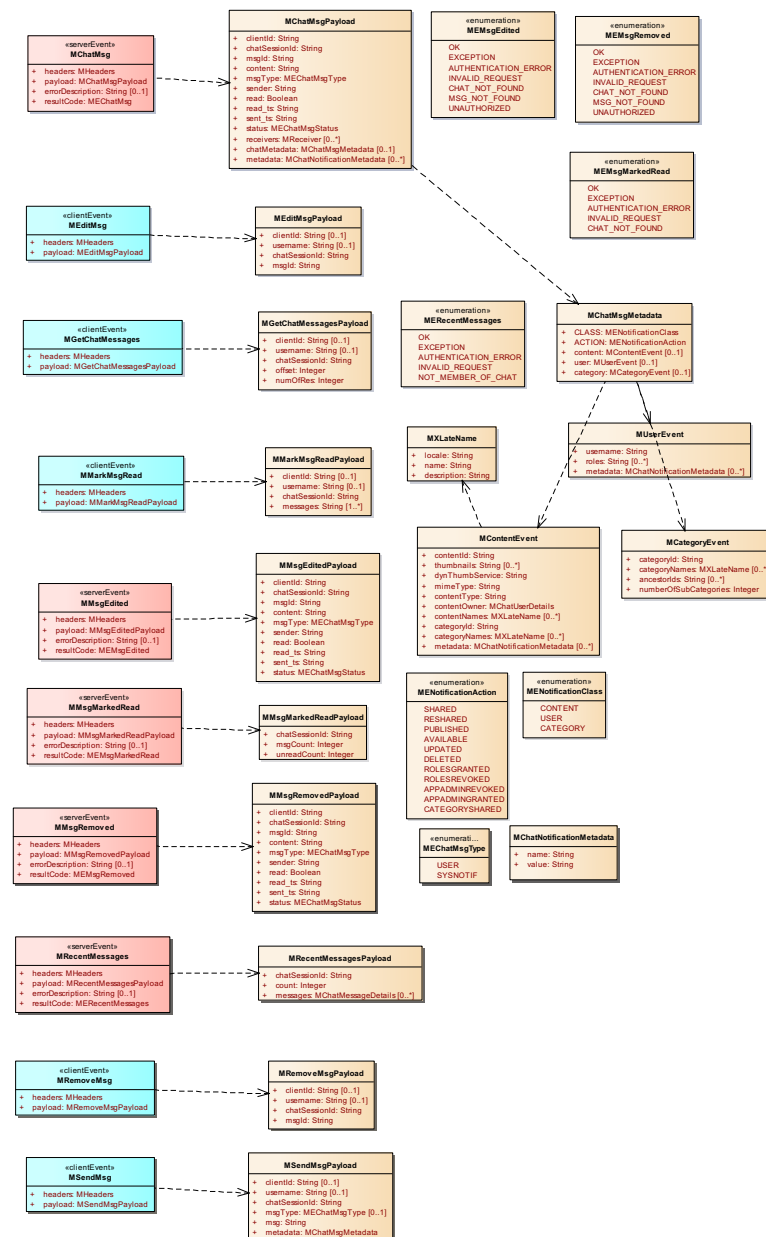


Figure: 6

MCategoryEvent

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
categoryId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
categoryNames	Type: MXLateName	Multiplicity: [0..*]	Visibility: Public
	Notes:		
ancestorIds	Type: String	Multiplicity: [0..*]	Visibility: Public
	Notes:		
numberOfSubCategories	Type: Integer	Multiplicity:	Visibility: Public
	Notes:		

MChatMsgMetadata

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
CLASS	Type: MNotificationClass	Multiplicity:	Visibility: Public
	Notes: System notification category		
ACTION	Type: MNotificationAction	Multiplicity:	Visibility: Public
	Notes: System notification operation		
content	Type: MContentEvent	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. Describe the message detail only if CLASS type is CONTENT		
user	Type: MUserEvent	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. Describe the message detail only if CLASS type is USER		
category	Type: MCategoryEvent	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. Describe the message detail only if CLASS type is CATEGORY		

MChatMsgPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
msgId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
content	Type: String	Multiplicity:	Visibility: Public
	Notes: Message body		
msgType	Type: MEChatMsgType	Multiplicity:	Visibility: Public
	Notes:		
sender	Type: String	Multiplicity:	Visibility: Public
	Notes: Username of message sender		
read	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not message is marked read for requesting user		
read_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of message reading by requesting user		
sent_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of message sending		

status	Type: MEChatMsgStatus	Multiplicity:	Visibility: Public
	Notes:		
receivers	Type: MReceiver	Multiplicity: [0..*]	Visibility: Public
	Notes:		
chatMetadata	Type: MChatMsgMetadata	Multiplicity: [0..1]	Visibility: Public
	Notes:		
metadata	Type: MChatNotificationMetadata	Multiplicity: [0..*]	Visibility: Public
	Notes: Optional		

MChatNotificationMetadata

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
name	Type: String	Multiplicity:	Visibility: Public
	Notes:		
value	Type: String	Multiplicity:	Visibility: Public
	Notes:		

MContentEvent

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
contentId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
thumbnails	Type: String	Multiplicity: [0..*]	Visibility: Public
	Notes: List of content thumbnail URLs		
dynThumbService	Type: String	Multiplicity:	Visibility: Public
	Notes: Content dynamic thumbnail URL		
contentType	Type: String	Multiplicity:	Visibility: Public
	Notes: Mime type of the content, if any		
contentOwner	Type: MChatUserDetails	Multiplicity:	Visibility: Public
	Notes:		
contentNames	Type: MXLateName	Multiplicity: [0..*]	Visibility: Public
	Notes:		
categoryId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
categoryNames	Type: MXLateName	Multiplicity: [0..*]	Visibility: Public
	Notes:		

metadata	Type: MChatNotificationMetadata Multiplicity: [0..*] Visibility: Public
	Notes: Additional metadata values for the specific content message. Possible values are: <pre>[{name:"_SOURCE_MIMETYPE_", value:"<content-mimetype>"}, {name:"_CONTENTVIEWPREFERENCES_", "RECOMMENDED"}, ... <all content metadata MContent.medatas>]</pre>

MEChatMsgType «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
USER	Type:	Multiplicity:	Visibility: Public
	Notes: User chat message		
SYSNOTIF	Type:	Multiplicity:	Visibility: Public
	Notes: System notification chat message		

MEMsgEdited «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHAT_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		
MSG_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		
UNAUTHORIZED	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEMsgMarkedRead «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHAT_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEMsgRemoved «enumeration»

Element Type: <<Enumeration>>
 Parent Class:
 Stereotype: «enumeration»
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHAT_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		
MSG_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		
UNAUTHORIZED	Type:	Multiplicity:	Visibility: Public
	Notes:		

MENotificationAction «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
SHARED	Type:	Multiplicity:	Visibility: Public
	Notes: A content has been shared to someone		
RESHARED	Type:	Multiplicity:	Visibility: Public
	Notes: A content has been shared by someone else from content owner		
PUBLISHED	Type:	Multiplicity:	Visibility: Public
	Notes: A content has been shared in a category		
AVAILABLE	Type:	Multiplicity:	Visibility: Public
	Notes: A content is available (its conversion has ended)		
UPDATED	Type:	Multiplicity:	Visibility: Public
	Notes: A content is available again (its conversion has ended after the substitution of its original source)		
DELETED	Type:	Multiplicity:	Visibility: Public
	Notes: A content has been deleted		
ROLESGRANTED	Type:	Multiplicity:	Visibility: Public
	Notes: Roles have been granted to an user		
ROLESREVOKED	Type:	Multiplicity:	Visibility: Public
	Notes: Roles have been revoked to an user		
APPADMINREVOKED	Type:	Multiplicity:	Visibility: Public
	Notes: The app administrator role has been revoked to an user		

APPADMINGRANTED	Type:	Multiplicity:	Visibility: Public
	Notes: The app administrator role has been granted to an user		
CATEGORYSHARED	Type:	Multiplicity:	Visibility: Public
	Notes: A category has been shared to someone		

MENotificationClass «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
CONTENT	Type:	Multiplicity:	Visibility: Public
	Notes:		
USER	Type:	Multiplicity:	Visibility: Public
	Notes:		
CATEGORY	Type:	Multiplicity:	Visibility: Public
	Notes:		

MERecentMessages «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
NOT_MEMBER_OF_CHAT	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEditMsgPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
msgId	Type: String	Multiplicity:	Visibility: Public
	Notes:		

MGetChatMessagesPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
offset	Type: Integer	Multiplicity:	Visibility: Public
	Notes:		
numOfRes	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Max amount of elements returned		

MMarkMsgReadPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
messages	Type: String	Multiplicity: [1..*]	Visibility: Public
	Notes: List of message ids		

MMsgEditedPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
msgId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
content	Type: String	Multiplicity:	Visibility: Public
	Notes: Message body		
msgType	Type: MEChatMsgType	Multiplicity:	Visibility: Public
	Notes:		
sender	Type: String	Multiplicity:	Visibility: Public
	Notes: Username of message sender		
read	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not message is marked read for requesting user		
read_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of message reading by requesting user		
sent_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of message sending		

status	Type: MEChatMsgStatus	Multiplicity:	Visibility: Public
	Notes:		

MMsgMarkedReadPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes: the chat session ID		
msgCount	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of chat messages marked read		
unreadCount	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of unread messages in the chat session		

MMsgRemovedPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
msgId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
content	Type: String	Multiplicity:	Visibility: Public
	Notes: Message body		
msgType	Type: MEChatMsgType	Multiplicity:	Visibility: Public
	Notes:		
sender	Type: String	Multiplicity:	Visibility: Public
	Notes: Username of message sender		
read	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not message is marked read for requesting user		
read_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of message reading by requesting user		
sent_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of message sending		

status	Type: MEChatMsgStatus	Multiplicity:	Visibility: Public
	Notes:		

MRecentMessagesPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes: the chat session ID		
count	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of messages present in chat session		
messages	Type: MChatMessageDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		

MRemoveMsgPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
msgId	Type: String	Multiplicity:	Visibility: Public
	Notes:		

MSendMsgPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
msgType	Type: MEChatMsgType	Multiplicity: [0..1]	Visibility: Public
	Notes:		
msg	Type: String	Multiplicity:	Visibility: Public
	Notes: Message body		
metadata	Type: MChatMsgMetadata	Multiplicity:	Visibility: Public
	Notes:		

MUserEvent

Element Type: <<Class>>
Parent Class:
Stereotype:
EventName:
Notes:

Attributes:

Attribute Name	Definition		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
roles	Type: String	Multiplicity: [0..*]	Visibility: Public
	Notes: List of user roles		
metadata	Type: MChatNotificationMetadata	Multiplicity: [0..*]	Visibility: Public
	Notes: Additional metadata values for the specific user message. Possible values are: [{name:"_MANAGED-APP_", value:"<app displayName>"}]		

MXLateName

Element Type: <<Class>>
Parent Class:
Stereotype:
EventName:
Notes:

Attributes:

Attribute Name	Definition		
locale	Type: String	Multiplicity:	Visibility: Public
	Notes:		
name	Type: String	Multiplicity:	Visibility: Public
	Notes:		
description	Type: String	Multiplicity:	Visibility: Public
	Notes:		

MAggregatedChatSessionsPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
count	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of recent chat sessions		
sessions	Type: MChatSessionDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		

MAggregatedChatUsersPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
count	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of recent chat sessions members		
users	Type: MChatUserDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		

MAggregatedUsersSessionsPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
sessions	Type: MAggregatedChatSessionsPayload	Multiplicity:	Visibility: Public
	Notes:		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
users	Type: MAggregatedChatUsersPayload	Multiplicity:	Visibility: Public
	Notes:		

MAISessionsMarkedReadPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
chatSessionIds	Type: String	Multiplicity: [0..*]	Visibility: Public
	Notes: List of chat session ids		

MArchiveSessionsPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionIds	Type: String	Multiplicity: [1..*]	Visibility: Public
	Notes: List of chat session ids		
archived	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not to archive chat sessions for requesting user		

MArchivedSessionsPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
count	Type: Integer	Multiplicity:	Visibility: Public
	Notes: total number of recent chat sessions for the requesting user		
sessions	Type: MChatSessionDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		

MChatSessionBasicDetails

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
title	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional title of chat session		
desc	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional description of chat session		
sessionType	Type: MChatSessionType	Multiplicity:	Visibility: Public
	Notes:		
creator	Type: String	Multiplicity:	Visibility: Public
	Notes: Username of chat session creator		
created_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of chat creation		
lastUpdated_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of chat session last update, e.g.: time when last message was sent by a member		
members	Type: MChatUserDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		

userThatLeftForLast	Type: MChatUserDetails	Multiplicity: [0..1]	Visibility: Public
	Notes: User that left chat for last		

MChatSessionDetails

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
title	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional title of chat session		
desc	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional description of chat session		
sessionType	Type: MChatSessionType	Multiplicity:	Visibility: Public
	Notes:		
creator	Type: String	Multiplicity:	Visibility: Public
	Notes: Username or appld of chat session creator		
created_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of chat creation		
lastUpdated_ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of chat session last update, e.g.: time when last message was sent by a member		
members	Type: MChatUserDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		
userThatLeftForLast	Type: MChatUserDetails	Multiplicity: [0..1]	Visibility: Public
	Notes: User that left chat for last		

messages	Type: MChatMessageDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		
starred	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not requesting user has starred the chat session		
archived	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not requesting user has archived the chat session		
count	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of messages in the chat session		
unreadCount	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of unread messages in chat session by requesting user		

MCriteria

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
textSearch	Type: MTextSearch	Multiplicity:	Visibility: Public
	Notes:		
sessionIds	Type: String	Multiplicity: [0..*]	Visibility: Public
	Notes: List of chat session ids		
fromDate	Type: String	Multiplicity:	Visibility: Public
	Notes:		
toDate	Type: String	Multiplicity:	Visibility: Public
	Notes:		
sessionAges	Type: MESessionAge	Multiplicity: [0..*]	Visibility: Public
	Notes: If empty, sessions are not filtered by age		

MEAggregatedUsersSessions «enumeration»

Element Type: <<Enumeration>>

Parent Class:

Stereotype: «enumeration»

EventName:

Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEAllSessionsMarkedRead «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEArchivedSessions «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEChatSessionType «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
ONETOMANY	Type:	Multiplicity:	Visibility: Public
	Notes: Group chat, two or more participants		
ONETOONE	Type:	Multiplicity:	Visibility: Public
	Notes: One to one chat, only two participants		
SYSNOTIF	Type:	Multiplicity:	Visibility: Public
	Notes: System to user chat, the only participant is the user		

MERecentSessions «enumeration»

Element Type: <<Enumeration>>
 Parent Class:
 Stereotype: «enumeration»
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		

MESearchResults «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		

MESessionAge «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
RECENT	Type:	Multiplicity:	Visibility: Public
	Notes: Sessions which are either starred or got updated in the last 7 days		
ARCHIVED	Type:	Multiplicity:	Visibility: Public
	Notes: Sessions which were either manually archived, or are not starred, or got updated more than 7 days ago		

MESessionMarkedRead «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHAT_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		

MESessionsArchived «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHATS_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		

MESessionsStarred «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
CHATS_NOT_FOUND	Type:	Multiplicity:	Visibility: Public
	Notes:		

METextSearchComponent «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
SESSION_TITLE	Type:	Multiplicity:	Visibility: Public
	Notes: Session title		
MEMBERS_DISPLAY_NAME	Type:	Multiplicity:	Visibility: Public
	Notes: Display name of session members		
MEMBERS_USERNAME	Type:	Multiplicity:	Visibility: Public
	Notes: Username of session members		
MESSAGES_BODY	Type:	Multiplicity:	Visibility: Public
	Notes: Body of session messages		

MFindByPropertiesPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
criteria	Type: MCriteria	Multiplicity:	Visibility: Public
	Notes:		
offset	Type: Integer	Multiplicity:	Visibility: Public
	Notes:		
numOfRes	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Max amount of elements returned for chat sessions		
offsetMsg	Type: Integer	Multiplicity:	Visibility: Public
	Notes:		
numOfResMsg	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Max amount of elements returned for chat messages		

MGetAggregatedUsersSessionsPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
offset	Type: Integer	Multiplicity: [0..1]	Visibility: Public
	Notes:		
numOfRes	Type: Integer	Multiplicity: [0..1]	Visibility: Public
	Notes: Max amount of elements returned for chat sessions		
offsetMsg	Type: Integer	Multiplicity: [0..1]	Visibility: Public
	Notes:		
numOfResMsg	Type: Integer	Multiplicity: [0..1]	Visibility: Public
	Notes: Max amount of elements returned for chat messages		
offsetUsers	Type: Integer	Multiplicity: [0..1]	Visibility: Public
	Notes:		
numOfResUsers	Type: Integer	Multiplicity: [0..1]	Visibility: Public
	Notes: Max amount of elements returned for chat sessions members		

MGetArchivedSessionsPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
offset	Type: Integer	Multiplicity:	Visibility: Public
	Notes:		
numOfRes	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Max amount of elements returned for chat sessions		
offsetMsg	Type: Integer	Multiplicity:	Visibility: Public
	Notes:		
numOfResMsg	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Max amount of elements returned for chat messages		

MGetChatSessionsPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
offset	Type: Integer	Multiplicity:	Visibility: Public
	Notes:		
numOfRes	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Max amount of elements returned for chat sessions		
offsetMsg	Type: Integer	Multiplicity:	Visibility: Public
	Notes:		
numOfResMsg	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Max amount of elements returned for chat messages		

MMarkAllSessionsReadPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		

MMarkSessionReadPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		

MRecentSessionsPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
count	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of recent chat sessions		
sessions	Type: MChatSessionDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		

MSearchResultsPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
count	Type: Integer	Multiplicity:	Visibility: Public
	Notes: Total amount of matching chat sessions		
sessions	Type: MChatSessionDetails	Multiplicity: [0..*]	Visibility: Public
	Notes:		

MSessionMarkedReadPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		

MSessionsArchivedPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
archived	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not chat sessions are archived for requesting user		
chatSessionIds	Type: String	Multiplicity: [1..*]	Visibility: Public
	Notes: List of chat session ids		

MSessionsStarredPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
chatSessionIds	Type: String	Multiplicity: [1..*]	Visibility: Public
	Notes: List of chat session ids		
starred	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not chat sessions are starred for requesting user		

MStarSessionsPayload

Element Type: <<Class>>
Parent Class:
Stereotype:
EventName:
Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionIds	Type: String	Multiplicity: [1..*]	Visibility: Public
	Notes: List of chat session ids		
starred	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether or not to star chat sessions for requesting user		

MTextSearch

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
searchKey	Type: String	Multiplicity:	Visibility: Public
	Notes:		
sesTypes	Type: MEChatSessionType	Multiplicity: [0..*]	Visibility: Public
	Notes:		
components	Type: MTextSearchComponent	Multiplicity: [0..*]	Visibility: Public
	Notes: List of components to search on		

Package: USERS

Parent Package: events

This package collects payload classes used by user events like: clientReady, userOnline, updateUserDetail...

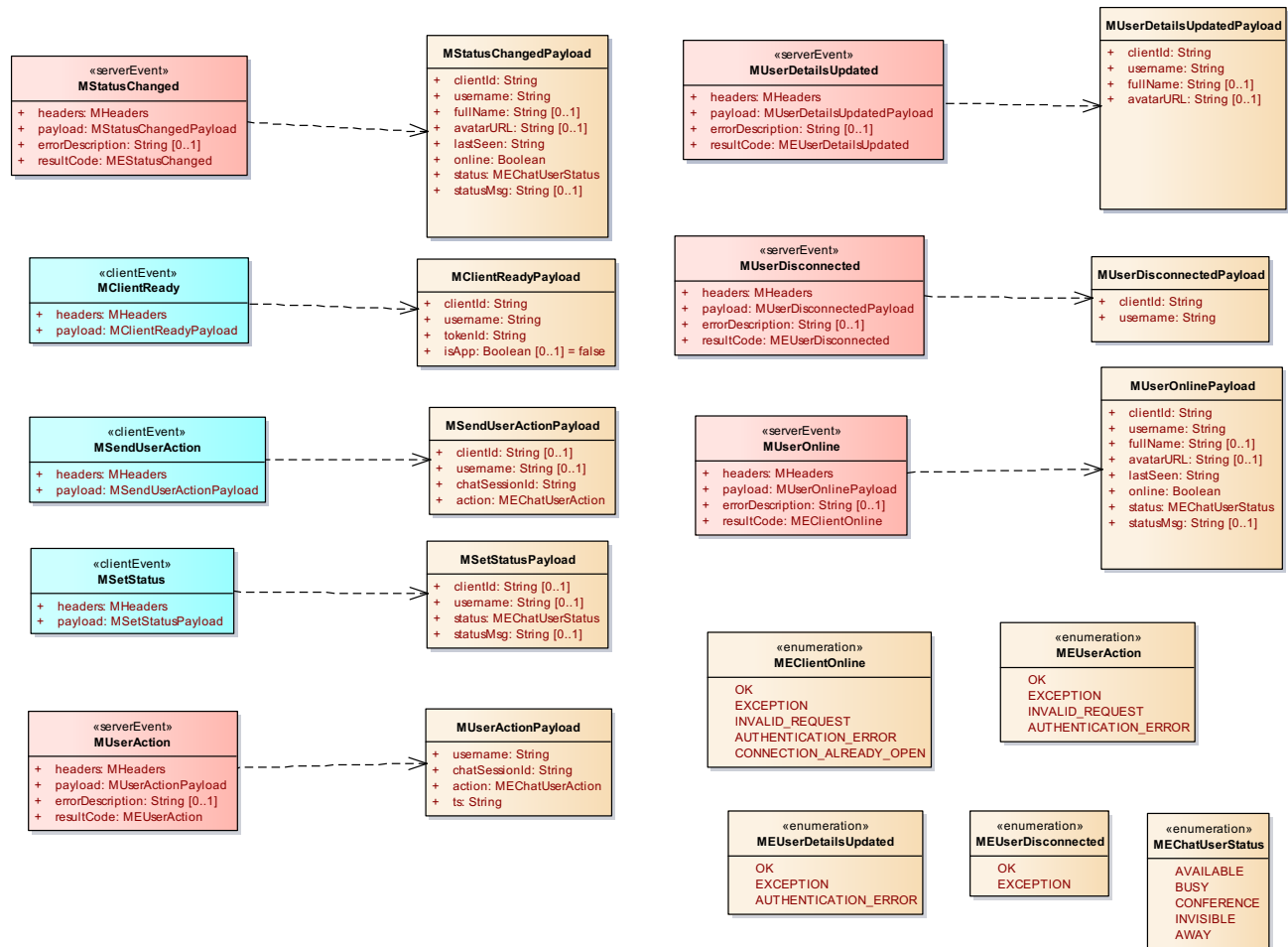


Figure: 8

MClientReadyPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes: Either username or appld must be defined

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
username	Type: String	Multiplicity:	Visibility: Public
	Notes: user username or app id		
tokenId	Type: String	Multiplicity:	Visibility: Public
	Notes: THRON token, used for authentication		
isApp	Type: Boolean	Multiplicity: [0..1]	Visibility: Public
	Notes: Whether or not the token belongs to an app instead of a user		

MEChatUserStatus «enumeration»

Element Type: <<Enumeration>>

Parent Class:

Stereotype: «enumeration»

EventName:

Notes:

Attributes:

Attribute Name	Definition		
AVAILABLE	Type:	Multiplicity:	Visibility: Public
	Notes: User is available		
BUSY	Type:	Multiplicity:	Visibility: Public
	Notes: User is busy		
CONFERENCE	Type:	Multiplicity:	Visibility: Public
	Notes: User is in a conference		
INVISIBLE	Type:	Multiplicity:	Visibility: Public
	Notes: User is invisible		
AWAY	Type:	Multiplicity:	Visibility: Public
	Notes: User is away		

MEClientOnline «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		
CONNECTION_ALREADY_OPEN	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEUserAction «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
INVALID_REQUEST	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEUserDetailsUpdated «enumeration»

Element Type: <<Enumeration>>
Parent Class:
Stereotype: «enumeration»
EventName:
Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		
AUTHENTICATION_ERROR	Type:	Multiplicity:	Visibility: Public
	Notes:		

MEUserDisconnected «enumeration»

Element Type: <<Enumeration>>

Parent Class:

Stereotype: «enumeration»

EventName:

Notes:

Attributes:

Attribute Name	Definition		
OK	Type:	Multiplicity:	Visibility: Public
	Notes:		
EXCEPTION	Type:	Multiplicity:	Visibility: Public
	Notes:		

MSendUserActionPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
action	Type: MEChatUserAction	Multiplicity:	Visibility: Public
	Notes:		

MSetStatusPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
username	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional. If not present, value passed during hand-shake will be used		
status	Type: MEChatUserStatus	Multiplicity:	Visibility: Public
	Notes:		
statusMsg	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional custom message describing user status		

MStatusChangedPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
fullName	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: The user display name. e.g.: "FirstName FamilyName"		
avatarURL	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Protocol-less URL of user avatar		
lastSeen	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of user last login or logout in the chat server		
online	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether of not user is online on the chat server (i.e., has one or more sockets active)		
status	Type: MEChatUserStatus	Multiplicity:	Visibility: Public
	Notes:		
statusMsg	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional custom message describing user status		

MUserActionPayload

Element Type: <<Class>>
 Parent Class:
 Stereotype:
 EventName:
 Notes:

Attributes:

Attribute Name	Definition		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
chatSessionId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
action	Type: MEChatUserAction	Multiplicity:	Visibility: Public
	Notes:		
ts	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of user action		

MUserDetailsUpdatedPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
fullName	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: The user display name. e.g.: "FirstName FamilyName"		
avatarURL	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Protocol-less URL of user avatar		

MUserDisconnectedPayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		

MUserOnlinePayload

Element Type: <<Class>>

Parent Class:

Stereotype:

EventName:

Notes:

Attributes:

Attribute Name	Definition		
clientId	Type: String	Multiplicity:	Visibility: Public
	Notes:		
username	Type: String	Multiplicity:	Visibility: Public
	Notes:		
fullName	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: The user display name. e.g.: "FirstName FamilyName"		
avatarURL	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Protocol-less URL of user avatar		
lastSeen	Type: String	Multiplicity:	Visibility: Public
	Notes: Timestamp of user last login or logout in the chat server		
online	Type: Boolean	Multiplicity:	Visibility: Public
	Notes: Whether of not user is online on the chat server (i.e., has one or more sockets active)		
status	Type: MEChatUserStatus	Multiplicity:	Visibility: Public
	Notes:		
statusMsg	Type: String	Multiplicity: [0..1]	Visibility: Public
	Notes: Optional custom message describing user status		