# GENESYS

# Web Services API Reference

CometD notifications

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# CometD notifications

You can subscribe to the **/v2/me/im-sessions** topic to receive CometD notifications for the IM Session API. This topic provides messages related to instant messaging between agents, including changes to IM session state and updates to IM session data. It supports the following message types:

- IMSessionStateChangeMessage
- IMLogUpdateMessage

## IMSessionStateChangeMessage

| Property | Description |
|---|---|
| data | The data element is present in all CometD notifications and is the root JSON element. You can use data.messageType to identify the message and determine what other properties should be present. |
| data.messageType | This property identifies the message type, in this case IMSessionStateChangeMessage. |
| data.notificationType | This property further identifies the type of notification and can have one of the following values:<br><br>• StatusChange — The status of the IM session has changed.<br><br>• AttachedDataChanged — The attached data for the IM session has changed. |
| data.imSession | An IM session resource with the updated state and capabilities. |

Example

```
{
    "data":{
        "messageType":"IMSessionStateChangeMessage",
        "notificationType":"StatusChange",
        "imSession":{
            "state":" Talking",
            "userData":{
                "favColor":"blue"
            },
            "id":"12398123091823091283012",
            "uri":"http://hpe-voicevm-64.genesyslab.com:8090/api/v2/im-sessions/
00S4UMMDT8AHN1VL807GK2LAES000002",
            "path":"/im-sessions/12398123091823091283012",
            "participants":[
                {
                    "digits":"3002",
```

```
            "e164Number":"3002",
            "formattedPhoneNumber":"3002",
            "phoneNumber":"3002"
        }
      ],
      "capabilities":[
        "Complete",
        "AttachUserData",
        "DeleteUserData",
        "UpdateUserData",
        "SendMessage"
      ]
    }
  }
}
```

# IMLogUpdateMessage

| Property | Description |
|----------|-------------|
| data | The data element is present in all CometD notifications and is the root JSON element. You can use data.messageType to identify the message and determine what other properties should be present. |
| data.messageType | This property identifies the message type, in this case IMLogUpdateMessage. |
| data.notificationType | This property further identifies the type of notification and can only have a value of NewMessage. |
| imSessionPath | The path to the associated IM session resource. |
| message | Contains a message newly added to the session. |

## Example

```
{
   "data":{
      "messageType":"IMLogUpdateMessage",
      "notificationType":"NewMessage",
      "imSessionPath":"/im-sessions/12398123091823091283012",
      "message":"Hello! This is my first message."
   }
}
```