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# 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: <ul style="list-style-type: none"><li>• StatusChange — The status of the IM session has changed.</li><li>• AttachedDataChanged — The attached data for the IM session has changed.</li></ul>
data.imSession	An <b>IM session resource</b> 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 <b>IM session resource</b> .
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."
  }
}
```