**MasterServer/UVC-CSS and Data Warehouse**

Communication protocol and data structure

Version 1.32

**Changes table**

|  |  |
| --- | --- |
| **Version** | **Summary of changes** |
| **0.1** | Initial draft |
| **1.0** | Proposal to share with the DW Team |
| **1.1** | Changed the communication protocol (Database shared) |
| **1.2** | Added Version field in EventData;  Renamed the TCAcceptanceDate field; |
| **1.3** | Added “ID” to authentication UVC CSS events  Added “authenticationID” to registration UVC CSS events |
| **1.4** | Replaced “disabledReasonCode” with “loginRefuseRule” in user account UVC CSS events  Added “errorReasonCode” to authentication UVC CSS events  Added “pairingStatus” to device pairing UVC CSS events |
| **1.5** | Added “MISSING\_PAIRING\_CREDENTIALS” errorReasonCode to authentication UVC CSS events |
| **1.6** | Added Event “USER\_ACCOUNT\_CREATED\_FROM\_USER\_INVITE\_EVENT”  Added “requestInfo” to authentication UVC CSS events |
| **1.7** | Added Events “ADMIN\_ACCOUNT\_PAID\_EVENT”, “ADMIN\_ACCOUNT\_RENEWED\_EVENT”  Added some fields to administrator account events |
| **1.8** | Update stats object with new rtpActivity and encrypted flags in “CALL\_LEG\_ENDED\_EVENT” event |
| **1.9** | Added Events “ADMIN\_ACCOUNT\_UPGRADED\_EVENT” |
| **1.10** | Added “loginRefuseRule” param on MasterServer User Events |
| **1.11** | Added “trialExpiryDate” param on MasterServer Admin Events |
| **1.12** | Added “ADMIN\_ACCOUNT\_TRANSFERRED\_EVENT” |
| **1.13** | Added “STATISTICS\_FILE\_RECEIVED\_EVENT”  Added flow for retrieving client statistics file in the “Design overview”  Added “USER\_ACCOUNT\_LOGIN\_EVENT”, “USER\_ACCOUNT\_GROUP\_CHANGED\_EVENT”, “MEETING\_ACCOUNT\_GROUP\_CHANGED\_EVENT”,  “GROUP\_CONTACT\_GROUP\_CHANGED\_EVENT” |
| **1.14** | Added “CLIENT\_SURVEY\_EVENT” |
| **1.15** | Added “LOG\_FORWARDER\_FILE\_RECEIVED\_EVENT” |
| **1.16** | Added “country”, “state”, “city”, “mobilePhoneNumber”, “officePhoneNumber” on user events and “mobilePhoneNumber” on admin events  Added “UNUSED\_DEVICE\_PAIRING\_CLEANED\_EVENT” |
| **1.17** | Added “userID” parameter to Call Leg events, Authentication events, Registration events, Device Pairing events, Instant Message events |
| **1.18** | Added “FAVORITE\_[CREATED|DELETED]\_EVENT” |
| **1.19** | Added “ADMIN\_ACCOUNT\_TWILIO\_SUBACCOUNT\_CREATED\_EVENT” and “ADMIN\_ACCOUNT\_TWILIO\_SUBACCOUNT\_DELETED\_EVENT” events in Administrator Account events  Added “twilioAccountSID”, “pstnOutboundNumber” and “pstnOutboundDomainName” on Administrator account’s events |
| **1.20** | Improved “CLIENT\_SURVEY\_EVENT” description |
| **1.21** | Added “tier” field to admin account events, Added “ADMIN\_ACCOUNT\_DOWNGRADED\_EVENT” event |
| **1.22** | MMS events aligned |
| **1.23** | added status to users events and groupid to devices events |
| **1.24** | added groupLanguage to admin events |
| **1.25** | added “ADMIN\_ACCOUNT\_REACTIVATED\_EVENT” |
| **1.26** | Added events for Recording Service on Cloud |
| **1.27** | Removed User fields from Admin Account Events |
| **1.28** | Added field “serviceType” in Call Leg events |
| **1.29** | Added “entitledRecordingDuration” on Admin’s events |
| **1.30** | Added “lyncEnabled” on Admin’s events |
| **1.31** | Added recording related events |
| **1.32** | Added “epBackgroundPreferences” on Admin’s events |
| **1.33** | Updated description of pl and plan fields in call leg statistics. |
| **1.34** | Added Streaming (Amplify), Calendar and Monitor Service Events |

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# Introduction

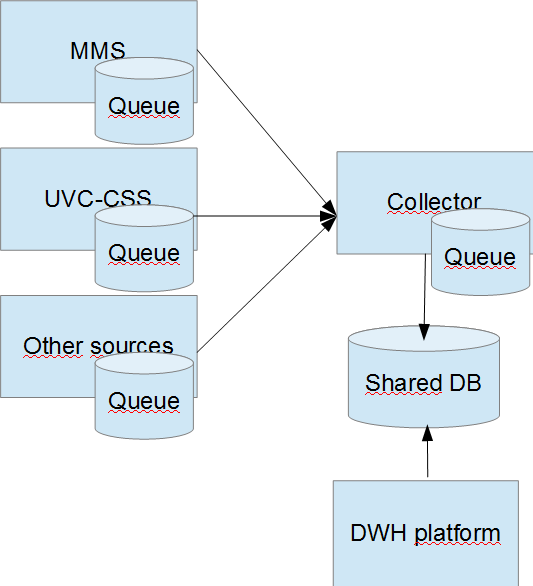
The first and the second chapter of this document describe the event data structure and the communication protocol between the MasterServer/UVC-CSS and the Lifesize Cloud Data Warehouse platform.

In the next two chapters there is the list the events currently generated by the MasterServer and the UVC-CSS with related details.

# 1.Design Overview

## Overall architecture

The overall architecture is based on a two way communication on a Shared DB, in which a Collector writes a single row on a table named “EventData” for each event, and the Data Warehouse platform, using the Informatica Cloud module, consumes it.



Basically each time an event occurs, UVC-CSS or MasterServer (or any other source in the future) sends it to Collector, which writes an event row on the EventData table. Every component of this architecture has its own queue to store the Events if some communication issues occur.

For details on the structure of the “Event Data” table, read the “Event data structure” chapter.

Due to issues in communication between the various components in this architecture, the temporal line is not guaranteed, i.e. the events stored in the EventData table could not be temporally ordered.

The Data Warehouse, through the Informatica Cloud module, should be able to read single or multiple rows on the shared DB, process the relative event and then delete the managed row on the DB.

Is quite important delete the managed row, in order to avoid the table grows too much.

In case the DW platform gets an event with an eventID already processed, it should ignore it.

Regarding the delay between the occurring of the Event and the its insertion into the shared DB, we can assert that the Events are usually written in the shared DB in nearly real-time.

## Retrieve statistics file flow

Once a “STATISTICS\_FILE\_RECEIVED\_EVENT” is parsed by DWH, DWH should call “getStatisticsFile” API on MMS providing the “statisticsFileName” received in the event.

**Example call:**

https://<username>:<password>@<mmsIP>/support/getStatisticsFile?fileName=1404296641935\_1404296735190\_mempo\_statistics.7z

(\*) require a BASIC authentication

**Request parameter:**

|  |  |  |
| --- | --- | --- |
| **Required** | **Name** | **Description** |
| **REQ** | fileName | Statistics filename provided by the event |

**Response parameter:**

This API, in case of success, will return a statistics file that could be:

1) a 7zip encoded file, in case the file is provided by a soft client

2) a gzip archive, in case the file is provided by an icon.

# 2.Event data structure

The following table describes the Event data structure.

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | int(10) unsigned | DB table row ID |
| **eventID** | string | A unique alphanumeric string used to identify the event among various sources. This field is guaranteed unique only for single source (defined in the “domain” field). For example it’s possible to have the same eventID for an event generated by MMS and by UVC-CSS. |
| **eventDate** | bigint | It's the time when the event occurred (milliseconds since Epoch) |
| **domain** | string | The owner of the event; The valid values are: “MMS”, “UVC-CSS”. |
| **source** | string | The nodeID of the UVC-CSS Cluster in case of Domain is “UVC-CSS”; otherwise empty |
| **eventType** | string | The event type. The valid values are listed in next chapters |
| **version** | int(2) | The event data structure version. This field is provided for future extensions to the event data structure. Default value is 1. |
| **eventBody** | string | A JSON data object that collects the data of the event |

The following boxes describe some example elements of the EventData table.

|  |
| --- |
| ID: 1,  eventID: "1234567890",  eventDate: 1380052291155,  domain: "MMS",  source: "",  eventType: "ADMIN\_ACCOUNT\_CREATED\_EVENT",  version: 1,  eventBody: {...} |
| ID: 2,  eventID: "CL-pSqP\_31JX\_1391073811346000",  eventDate: 1380052291222,  domain: "UVC-CSS",  source: "CL-pSqP\_31JX",  eventType: "USER\_ACCOUNT\_CREATED\_EVENT",  version: 1,  eventBody: {...} |

# 3.MasterServer - Events

## Administrator Account events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **ADMIN\_ACCOUNT\_CREATED\_EVENT** | Generated when an Admin/Reseller/Demo account is created |
| **ADMIN\_ACCOUNT\_ACTIVATED\_EVENT** | Generated when an Admin/Reseller/Demo account is activated |
| **ADMIN\_ACCOUNT\_DELETED\_EVENT** | Generated when an Admin/Reseller/Demo account is deleted |
| **ADMIN\_ACCOUNT\_DEACTIVATED\_EVENT** | Generated when an Admin/Reseller/Demo account is deactivated |
| **ADMIN\_ACCOUNT\_UPDATED\_EVENT** | Generated when an Admin/Reseller/Demo account is updated |
| **ADMIN\_ACCOUNT\_SUSPENDED\_EVENT** | Generated when an Admin/Reseller/Demo account is suspended |
| **ADMIN\_ACCOUNT\_EXPIRED\_EVENT** | Generated when an Admin/Reseller/Demo account is expired |
| **ADMIN\_ACCOUNT\_PWD\_RESET\_REQUESTED\_EVENT** | Generated when an Admin/Reseller/Demo account requires to reset own password |
| **ADMIN\_ACCOUNT\_PWD\_CHANGED\_EVENT** | Generated when an Admin/Reseller/Demo account changes the own password |
| **ADMIN\_ACCOUNT\_LOGIN\_EVENT** | Generated when an Admin/Reseller/Demo account login to the WebConsole |
| **USER\_INVITATION\_TOKEN\_CREATED\_EVENT** | Generated when an Admin/Reseller/Demo account creates an invitation link in order to invite other user |
| **ADMIN\_ACCOUNT\_PAID\_EVENT** | Generated when Admin buy a subscription |
| **ADMIN\_ACCOUNT\_RENEWED\_EVENT** | Generated when Admin renew a subscription |
| **ADMIN\_ACCOUNT\_UPGRADED\_EVENT** | Generated when Admin upgrade a subscription |
| **ADMIN\_ACCOUNT\_TRANSFERRED\_EVENT** | Generated when Admin role is transferred to a user in the group |
| **ADMIN\_ACCOUNT\_TWILIO\_SUBACCOUNT\_CREATED\_EVENT** | Generated when a Twilio subaccount is created for the admin |
| **ADMIN\_ACCOUNT\_TWILIO\_SUBACCOUNT\_CREATED\_EVENT** | Generated when the Twilio subaccount related to the admin is deleted |
| **ADMIN\_ACCOUNT\_DOWNGRADED\_EVENT** | Generated when Admin downgrade a subscription |
| **ADMIN\_ACCOUNT\_REACTIVATED\_EVENT** | Generated on a new trial |
| **ADMIN\_ACCOUNT\_RECORDING\_TRIAL\_EVENT** | Recording trial started |
| **ADMIN\_ACCOUNT\_RECORDING\_PAID\_EVENT** | Recording has been paid |
| **ADMIN\_ACCOUNT\_RECORDING\_ACTIVATED\_EVENT** | Recording has been activated (DEMO and RESELLER) |
| **ADMIN\_ACCOUNT\_RECORDING\_DEACTIVATED\_EVENT** |  |
| **ADMIN\_ACCOUNT\_RECORDING\_ENABLED\_EVENT** |  |
| **ADMIN\_ACCOUNT\_RECORDING\_DISABLED\_EVENT** |  |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "adminAccountID": "e323ddd1-baaa-423e-9as1-d106ftg433480",  "email": "example.user.1@exampledomain.com",  "username": "exampleUser",  "firstName": "Example First Name",  "lastName": "Example Last Name",  "type": "ADMIN",  "status": "TRIAL",  "address1": "Example Address1",  "address2": "",  "city": "Example City",  "country": "Example Country",  "state": "Example State",  "zip": "221133",  "phoneNumber": "+112233-445",  "faxNumber": "+112233-448",  "language": "English",  "jobTitle": "",  "company": "Example Company",  "newsletter": true,  "who": "Admin",  "source": "WebConsole",  "groupID": "fcc60bbf-a84f-43b7-b1b6-4c4ac517b4fe",  "groupName": "Group name",  "creationDate": 1389953091345,  "TCAcceptanceDate": 1389953091345  } |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **adminAccountID** | string | A unique alphanumeric string used to identify the Account |
| **type** | string | The Account type. The valid values are: ADMIN, RESELLER, DEMO |
| **status** | string | The status associated to the Account. The valid values are: TOBECONFIRMED, SUSPENDED, TRIAL, PAID, EXPIRED, DEACTIVATED, DELETED, ACTIVATED |
| **address1** | string | The first part of the address associated to the Account |
| **address2** | string | The second part of the address associated to the Account |
| **city** | string | The city associated to the Account |
| **country** | string | The country associated to the Account |
| **state** | string | The state associated to the Account |
| **zip** | string | The ZIP code associated to the Account |
| **faxNumber** | string | The fax number associated to the Account |
| **language** | string | The language chosen by the admin for himself |
| **jobTitle** | string | The job title associated to the Account |
| **company** | string | The company name associated to the Account |
| **newsletter** | true/false | True if Account subscribes to the Newsletter (for future use) |
| **who** | string | The author of the event triggered |
| **source** | string | The source from which the event is generated. For example: WebForm, WebConsole, MMSGUI, MMS |
| **groupID** | string | An alphanumeric string used to identify the group to which the Account is associated |
| **groupName** | string | Name of the group to which the Account is associated |
| **creationDate** | number | Account creation timestamp (milliseconds since Epoch) |
| **reason** | string | If available, the reason that determined the event. For example “Not Validated Email” in Suspended Event |
| **invitationToken** | string | If available, the token to invite an User |
| **subscriptionAccountID** | string | if available, subscription ID for Zuora |
| **subscriptionNumber** | string | if available, base subscription number from Zuora |
| **newSubscriptionNumber** | string | if available, last subscription number from Zuora |
| **purchasedUsers** | number | if available, the max number of users included in the latest purchased tier in Zuora |
| **subscriptionStartDate** | number | if available, the earliest subscription date (milliseconds since Epoch) |
| **subscriptionEndDate** | number | if available, the latest subscription date (milliseconds since Epoch) |
| **trialExpiryDate** | number | if available, the trial expiry date (milliseconds since Epoch) |
| **oldAdminAccountID** | string | if available, the old admin account id when admin role is transferred |
| **pstnOutboundDomainName** | string |  |
| **pstnOutboundNumber** | string |  |
| **twilioAccountSID** | string |  |
| **tier** | string | when available, the subscription tier |
| **displayName** | String |  |
| **groupLanguage** | String | language chosen by the admin for the whole group |
| **entitledRecordingDuration** | String | duration on VC organization, can be blank |
| **lyncEnabled** | boolean |  |
| **recordingStatus** | String | can be: PAID, TRIAL, DEACTIVATED, ACTIVATED (for demo/reseller) |
| **recordingTrialExpiryDate** | timestamp | from epoch |
| **epBackgroundPreferences** | String |  |
| **recordingEnabled** | boolean |  |

## User Account events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **USER\_ACCOUNT\_CREATED\_EVENT** | Generated when a User account is created |
| **USER\_ACCOUNT\_ACTIVATED\_EVENT** | Generated when a User account is activated |
| **USER\_ACCOUNT\_DISABLED\_EVENT** | Generated when a User account is disabled |
| **USER\_ACCOUNT\_ENABLED\_EVENT** | Generated when a User account is enabled |
| **USER\_ACCOUNT\_DELETED\_EVENT** | Generated when a User account is deleted |
| **USER\_ACCOUNT\_RESET\_EVENT** | Generated when a User account is reset by Admin/Reseller/Demo |
| **USER\_ACCOUNT\_UPDATED\_EVENT** | Generated when a User account is updated |
| **USER\_ACCOUNT\_PWD\_CHANGED\_EVENT** | Generated when a User account changes the own password |
| **USER\_ACCOUNT\_APPROVED\_EVENT** | Generated when a User account is approved by Admin/Reseller/Demo |
| **USER\_ACCOUNT\_REJECTED\_EVENT** | Generated when a User account is rejected by Admin/Reseller/Demo |
| **USER\_ACCOUNT\_PWD\_RESET\_REQUESTED\_EVENT** | Generated when a User account requires to reset the own password |
| **USER\_ACCOUNT\_CREATED\_FROM\_INVITE\_EVENT** | Generated when a User account is created by Admin’s invitation |
| **USER\_ACCOUNT\_CREATED\_FROM\_USER\_INVITE\_EVENT** | Generated when a User account is created by User’s invitation |
| **USER\_ACCOUNT\_LOGIN\_EVENT** | Generated when a user account login to the WebConsole |
| **USER\_ACCOUNT\_GROUP\_CHANGED\_EVENT** | Generated when a user is moved from a group to another |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "ID": "e361e9a1-badd-46ce-9689-d1065913d480",  "adminAccountID": "e323ddd1-baaa-423e-9as1-d106ftg433480",  "email": "example.user.1@exampledomain.com",  "userID": "exampleUser1",  "displayName": "Example Display Name",  "extension": "99457",  "enabled": true,  "language": "English",  "groupID": "fcc60bbf-a84f-43b7-b1b6-4c4ac517b4fe",  "groupName": "Group name",  "who": "Admin",  "source": "WebConsole",  "creationDate": 1389955091345,  "TCAcceptanceDate": 1389955091345  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | A unique alphanumeric string used to identify the User account |
| **adminAccountID** | string | The reference to the Admin/Reseller/Demo account |
| **email** | string | The email address associated to the User account |
| **userID** | string | The mnemonic string associated to the User account |
| **displayName** | string | The display name associated to the User account |
| **extension** | string | The extension associated to the User account |
| **enabled** | true/false | True if the User account is enabled |
| **language** | string | The language associated to the User account |
| **groupID** | string | An alphanumeric string used to identify the group to which the User account belongs |
| **groupName** | string | Name of the group to which the User account belongs |
| **who** | string | The author of the event triggered |
| **source** | string | The source from which the event is generated. For example: WebForm, WebConsole, MMSGUI, MMS |
| **creationDate** | number | User Account creation timestamp (milliseconds since Epoch) |
| **TCAcceptanceDate** | number | The time when the User accepted the Terms and Conditions (milliseconds since Epoch) |
| **reason** | string | If available, the reason that determined the event. For example “Not Validated Email” in Deleted Event |
| **invitationToken** | string | If available, the invitation token used to create an User account |
| **inviterUserID** | string | if available, the inviter userID |
| **inviterID** | string | if available, the inviter ID |
| **loginRefuseRule** | string | Client login refuse rule, can be “NONE”, “EXTERNAL\_VALIDATION\_MISSING”, “END\_OF\_TRIAL”, “SERVICE\_SUSPENDED” |
| **oldGroupID** | string | if available |
| **oldGroupName** | string | if available |
| **city** | string | The city associated to the Account |
| **country** | string | The country associated to the Account |
| **state** | string | The state associated to the Account |
| **mobilePhoneNumber** | string |  |
| **officePhoneNumber** | string |  |
| **inviterEmail** | string | if available, the inviter email |
| **inviterDisplayName** | string | if available, the inviter display name |
| **accountType** | string | can be: “ADMIN”, “DEMO”, “RESELLER”, “USER”, “SUPER\_USER” |
| **status** | string | can be “ACTIVATED”, “DEACTIVATED” |

## Meeting Account events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **MEETING\_CREATED\_EVENT** | Generated when a Meeting account is created |
| **MEETING\_UPDATED\_EVENT** | Generated when a Meeting account is updated |
| **UNUSED\_MEETING\_CLEANED\_EVENT** | Generated when an unused Meeting account is cleaned |
| **MEETING\_DISABLED\_EVENT** | Generated when a Meeting account is disabled |
| **MEETING\_ENABLED\_EVENT** | Generated when a Meeting account is enabled |
| **MEETING\_DELETED\_EVENT** | Generated when a Meeting account is deleted |
| **MEETING\_GROUP\_CHANGED\_EVENT** | Generated when meeting is moved from a group to another |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "ID": "e361e9a1-badd-46ce-9689-e4521803eu61",  "adminAccountID": "e323ddd1-baaa-423e-9as1-d106ftg433480",  "userID": "exampleMeeting1",  "displayName": "Example Display Name",  "extension": "99458",  "pin": 1234,  "maxParticipants": 12,  "description": "Example Description",  "enabled": true,  "groupID": "fcc60bbf-a84f-43b7-b1b6-4c4ac517b4fe",  "groupName": "Group name",  "who": "Admin",  "source": "WebConsole",  "creationDate": 1380055111366,  "maxInactiveMeetingsDays": 45  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | A unique alphanumeric string used to identify the Meeting |
| **adminAccountID** | string | The reference to the Admin/Reseller/Demo Account |
| **userID** | string | The mnemonic string associated to the Meeting |
| **displayName** | string | The display name associated to the Meeting |
| **extension** | string | The extension associated to the Meeting |
| **pin** | string | The pin associated to the Meeting |
| **maxParticipants** | number | The max participants associated to the Meeting |
| **description** | string | The description associated to the Meeting |
| **enabled** | true/false | True if the Meeting is enabled |
| **groupID** | string | An alphanumeric string used to identify the group to which the Meeting belongs |
| **groupName** | string | Name of the group to which the Meeting belongs |
| **who** | string | The author of the event triggered |
| **source** | string | The source from which the event is generated. For example: WebForm, WebConsole, MMSGUI, MMS |
| **creationDate** | number | Meeting creation timestamp (milliseconds since Epoch) |
| **maxInactiveMeetingsDays** | number | The number days after that the unused Meeting is removed |
| **reason** | string | If available, the reason that determined the event. For example “Cleaned for unused” in Deleted Event |
| **oldGroupID** | string | if available |
| **oldGroupName** | string | if available |

## Group Contact events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **GROUP\_CONTACT\_CREATED\_EVENT** | Generated when a Group Contact is created |
| **GROUP\_CONTACT\_UPDATED\_EVENT** | Generated when a Group Contact is updated |
| **GROUP\_CONTACT\_DELETED\_EVENT** | Generated when a Group Contact is deleted |
| **GROUP\_CONTACT\_GROUP\_CHANGED\_EVENT** | Generated when a group contact is moved from a group to another |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "ID": "t891e9a1-erww-46ce-1189-e45266uu11ww",  "adminAccountID": "e323ddd1-baaa-423e-9as1-d106ftg433480",  "displayName": "Example Display Name",  "description": "Example Description",  "groupID": "fcc60bbf-a84f-43b7-b1b6-4c4ac517b4fe",  "groupName": "Group name",  "category": "Group",  "signalingAddress": "exampleContact1",  "who": "Admin",  "source": "WebConsole"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | A unique alphanumeric string used to identify the Group Contact |
| **adminAccountID** | string | The reference to the Admin/Reseller/Demo Account |
| **displayName** | string | The display name associated to the Group Contact |
| **description** | string | The description associated to the Group Contact |
| **groupID** | string | An alphanumeric string used to identify the group to which the Group Contact is associated |
| **groupName** | string | The name of the group to which the Group Contact is associated |
| **category** | string | The contact category. The valid value is Group |
| **signalingAddress** | string | The signaling contact address |
| **who** | string | The author of the event triggered |
| **source** | string | The source from which the event is generated. For example: WebForm, WebConsole, MMSGUI, MMS |
| **reason** | string | If available, the reason that determined the event |
| **oldGroupID** | string | if available |
| **oldGroupName** | string | if available |

## Device Pairing events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **DEVICE\_PAIRING\_CREATED\_EVENT** | Generated when a Device Pairing is created |
| **DEVICE\_PAIRING\_DELETED\_EVENT** | Generated when a Device Pairing is deleted |
| **DEVICE\_PAIRING\_UPDATED\_EVENT** | Generated when a Device Pairing is updated |
| **DEVICE\_PAIRING\_SUSPENDED\_EVENT** | Generated when a Device Pairing is suspended |
| **DEVICE\_PAIRING\_REACTIVATED\_EVENT** | Generated when a Device Pairing is reactivated |
| **UNUSED\_DEVICE\_PAIRING\_CLEANED\_EVENT** | Generated when an unused Device Pairing is cleaned |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "ID": "u341fra1-erww-46ce-1439-rt32661177jj",  "adminAccountID": "e323ddd1-baaa-423e-9as1-d106ftg433480",  "userAccountID": "e361e9a1-badd-46ce-9689-d1065913d480",  "userID": "exampleUserID",  "serialNumber": "KQ681608674F4",  "usageType": "PERSONAL",  "pairingCode": "123456",  "pairingToken": "2eeb3a08-7c8c-48a0-b887-e1dc38ffc9ba",  "platform": "ICON\_600",  "enabled": true,  "creationDate": 1380055111366,  "who": "Admin",  "source": "WebConsole"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | A unique alphanumeric string used to identify the Device Pairing |
| **adminAccountID** | string | The reference to the Admin/Reseller/Demo Account |
| **userAccountID** | string | The User account unique identifier associated to the paired Device |
| **userID** | string | The User account mnemonic string associated to the paired Device |
| **serialNumber** | string | The serial number of the Device Paring |
| **usageType** | string | The usage type of the Device Pairing. The valid values are: PERSONAL, SHARED |
| **pairingCode** | string | The pairing code of the Device Pairing |
| **pairingToken** | string | The pairing token of the Device Pairing |
| **platform** | string | The platform of the Device Pairing |
| **enabled** | true/false | True if the Device Pairing is enabled |
| **creationDate** | number | Device Pairing creation timestamp (milliseconds since Epoch) |
| **who** | string | The author of the event triggered |
| **source** | string | The source from which the event is generated. For example WebForm, WebConsole, MMSGUI, MMS |
| **reason** | string | If available, the reason that determined the event |
| **groupID** | string | An alphanumeric string used to identify the group to which the Group Contact is associated |

## PSTN Number events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **PSTN\_NUMBER\_MAPPED\_EVENT** | Generated when a PSTN Number is mapped |
| **PSTN\_NUMBER\_REMOVED\_EVENT** | Generated when a PSTN Number is removed |
| **PSTN\_NUMBER\_UPDATED\_EVENT** | Generated when a PSTN Number is updated |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "adminAccountID": "e323ddd1-baaa-423e-9as1-d106ftg433480",  "groupName": "Group name",  "groupID": "fcc60bbf-a84f-43b7-b1b6-4c4ac517b4fe",  "pstnInboundNumber": "4155552222",  "twilioAccountSID": "AC2214732a3c49744434481addd5rr1659",  "creationDate": 1380055111366,  "who": "Admin",  "source": "WebConsole"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **adminAccountID** | string | The reference to the Admin/Reseller/Demo Account |
| **groupName** | string | An alphanumeric string used to identify the group to which the PSTN Number belongs |
| **groupID** | string | The name of the group to which the PSTN Number belongs |
| **pstnInboundNumber** | string | The PSTN phone number |
| **twilioAccountSID** | string | The SID of the Twilio account |
| **creationDate** | number | PSTN creation timestamp (milliseconds since Epoch) |
| **who** | string | The author of the event triggered |
| **source** | string | The source from which the event is generated. For example: WebForm, WebConsole, MMSGUI, MMS |
| **reason** | string | If available, the reason that determined the event |

## Statistics events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **STATISTICS\_FILE\_RECEIVED\_EVENT** | Generated when a valid statistics file is received from client |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "ID": "9689",  "statisticsFileName": "1393258819928\_1393258547194\_kdgzs\_statistics.7z",  "receivedDate": 1404998281000,  "callStartDate": 1404913008000,  "callEndDate": 1404913043000,  "callDurationSec": 35095,  "platform": "Windows",  "sipUser": "pippo",  "h323UserName": "",  "callID": "DL7e6e32fa15-1079661038@pippo.corp.company.com",  "serverCallLegID": "1404816096\_PCoP\_CM\_121",  "localIPAddress": "10.10.10.2",  "remoteIPAddress": "10.10.10.3",  "remoteID": "PCoP",  "callerID": "sip:pippo@company.com",  "calledID": "sip:561991@company.com",  "dialstring": "561991",  "clientVersion": "9.0.40",  "nodeID": "PCoP",  "nodeFriendlyName": "PG-MI-172",  "who": "MMS",  "source": "MMS"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | A unique alphanumeric string used to identify the statistics file |
| **statisticsFileName** | string | The reference to the statistics file, also useful to retrieve the statistics file |
| **receivedDate** | number | Statistics file received date (milliseconds since Epoch) |
| **callStartDate** | number | If available, the call start date (milliseconds since Epoch) |
| **callEndDate** | number | If available, the call end date (milliseconds since Epoch) |
| **callDurationSec** | number | If available, the duration of the call |
| **platform** | string | If available, the platform of the client |
| **sipUser** | string | If available |
| **h323UserName** | string | If available |
| **callID** | string | If available |
| **serverCallLegID** | string | If available |
| **localIPAddress** | string | If available, the local IP of the client |
| **remoteIPAddress** | string | If available, the remote IP of the client |
| **remoteID** | string | If available, the remote ID of the client |
| **callerID** | string | If available |
| **calledID** | string | If available |
| **dialstring** | string | If available |
| **clientVersion** | string | If available, the version of the client |
| **nodeID** | string | If available, the node ID of the CSS node where the call is running |
| **nodeFriendlyName** | string | If available, the node friendly name of the CSS node where the call is running |
| **who** | string | The author of the event triggered |
| **source** | string | The source from which the event is generated. For example: MMS |

# 4.UVC CSS - Events

## Group events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **USER\_GROUP\_CREATED\_EVENT** | Generated when a group is created |
| **USER\_GROUP\_UPDATED\_EVENT** | Generated when a group is updated |
| **USER\_GROUP\_DELETED\_EVENT** | Generated when a group is deleted |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "ID": "fcc60bbf-a84f-43b7-b1b6-4c4ac517b4fe",  "name": "Group name",  "enabled": true  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Group unique identifier |
| **name** | string | Group name |
| **enabled** | true/false | True if group is enabled |

## 

## User account events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **USER\_ACCOUNT\_CREATED\_EVENT** | Generated when a user account is created |
| **USER\_ACCOUNT\_UPDATED\_EVENT** | Generated when a user account is updated |
| **USER\_ACCOUNT\_DELETED\_EVENT** | Generated when a user account is deleted |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody": {  "ID": "e361e9a1-badd-46ce-9689-d1065913d480",  "userID": "exampleUser1",  "extension": "99457",  "enabled": true,  "displayName": "Example User 1",  "groupID": "fcc60bbf-a84f-43b7-b1b6-4c4ac517b4fe",  "email": "example.user.1@exampledomain.com",  "usageType": "PERSONAL",  "loginRefuseRule": "NONE"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | User account unique identifier |
| **userID** | string | User account mnemonic identifier |
| **extension** | string | User account numeric extension |
| **enabled** | true/false | True if user account is enabled |
| **displayName** | string | User account display name |
| **groupID** | string | User account group unique identifier |
| **expiryDate\*** | number | User account expiry timestamp (milliseconds since Epoch) |
| **email\*** | string | User account email |
| **usageType** | string | User account usage type, can be "PERSONAL" or "SHARED" |
| **loginRefuseRule** | string | Client login refuse rule, can be “NONE”, “EXTERNAL\_VALIDATION\_MISSING”, “END\_OF\_TRIAL”, “SERVICE\_SUSPENDED” |

\* optional

## Meetings events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **MEETING\_CREATED\_EVENT** | Generated when a meeting is created |
| **MEETING\_UPDATED\_EVENT** | Generated when a meeting is updated |
| **MEETING\_DELETED\_EVENT** | Generated when a meeting is deleted |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody": {  "ID": "9a8d6a30-fc89-494a-81b6-c88bcc9cb97d",  "userID": "exampleMeeting",  "extension": "99458",  "enabled": true,  "displayName": "Example Meeting 1",  "groupID": "fcc60bbf-a84f-43b7-b1b6-4c4ac517b4fe",  "usageType": "SHARED"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Meeting unique identifier |
| **userID** | string | Meeting mnemonic identifier |
| **extension** | string | Meeting numeric extension |
| **enabled** | true/false | True if meeting is enabled |
| **displayName** | string | Meeting display name |
| **groupID** | string | Meeting group unique identifier |
| **expiryDate\*** | number | Meeting expiry timestamp (milliseconds since Epoch) |
| **email\*** | string | Meeting email |
| **usageType** | string | Meeting usage type, can be "PERSONAL" or "SHARED" |
| **ownerID\*** | string | Meeting owner user account unique identifier, present if meeting has been created by a user account (meaning that this user account is the meeting owner) |
| **loginRefuseRule\*\*** | string |  |

\* optional

\*\* not applicable

## 

## Contact events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **CONTACT\_CREATED\_EVENT** | Generated when a user account is created |
| **CONTACT\_UPDATED\_EVENT** | Generated when a user account is updated |
| **CONTACT\_DELETED\_EVENT** | Generated when a user account is deleted |

### Body structure

All event types events share the same body structure.

|  |
| --- |
| ...  "eventBody": {  "ID": "1e0844cb-3a90-4f56-a871-f9bf28118c4e",  "displayName": "Example Contact 1",  "signalingAddress": "exampleContact1",  "category": "Personal",  "userAccountID": "e361e9a1-badd-46ce-9689-d1065913d480"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Contact unique identifier |
| **displayName** | string | Contact display name |
| **signalingAddress** | string | Contact signaling address |
| **category** | string | Contact category, can be "Personal" or "Group" |
| **userAccountID** | string | Contact user account unique identifier, mandatory if category is "Personal" |
| **groupID** | string | Contact user account unique identifier, mandatory if category is "Group" |

## 

## Favorite events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **FAVORITE\_CREATED\_EVENT** | Generated when a user account is created |
| **FAVORITE\_DELETED\_EVENT** | Generated when a user account is deleted |

### Body structure

All event types events share the same body structure.

|  |
| --- |
| ...  "eventBody": {  "ID": "1e0844cb-3a90-4f56-a871-f9bf28118c4e",  "favoriteID": "e361e9a1-badd-46ce-9689-d1065913d480",  "type": "CONTACT",  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Favorite entry owner unique identifier |
| **favoriteID** | string | UUID of the user added to the favorite list |
| **type** | string | Favorite type, can be "CONTACT” or “USER” |

## 

## Device pairing events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **DEVICE\_PAIRING\_CREATED\_EVENT** | Generated when a device pairing is created |
| **DEVICE\_PAIRING\_UPDATED\_EVENT** | Generated when a device pairing is updated |
| **DEVICE\_PAIRING\_DELETED\_EVENT** | Generated when a device pairing is deleted |

### Body structure

All event types events share the same body structure.

|  |
| --- |
| ...  "eventBody": {  "ID": "1e08ffcb-3aa0-4256-a871-c8c428227c9e",  "userAccountID": "e361e9a1-badd-46ce-9689-d1065913d480",  "serialNumber": "KQ681608674F4",  "platform": "ICON\_600",  "currentFirmwareVersion": "LS\_RM3\_1.4.1 (11)",  "timezoneOffsetInMinutes": -120,  "pairingTimeMillis": 1389953091345,  "enabled": true,  "pairingStatus": "DEFAULT"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Device pairing unique identifier |
| **userAccountID** | string | Device pairing user account unique identifier |
| **userID** | string | Device pairing user account mnemonic identifier |
| **serialNumber** | string | Device serial number |
| **platform** | string | Device platform |
| **currentFirmwareVersion** | string | Device current firmware version |
| **timezoneOffsetInMinutes** | number | Device timezone offset from GMT in minutes |
| **pairingTimeMillis** | number | Device pairing timestamp (milliseconds since Epoch) |
| **enabled** | true/false | True if device pairing is enabled |
| **lastUpgradeErrorCode\*** | string | Device last upgrade error code |
| **pairingStatus** | string | Pairing status, can be “DEFAULT”, “INVALID\_AMS” |

\* optional

## 

## Authentication events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **AUTHENTICATION\_SUCCESSFUL\_EVENT** | Generated when an authentication has been performed successfully |
| **AUTHENTICATION\_FAILED\_EVENT** | Generated when an authentication fails |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "userAccountID": "41c1d15e-ca36-46e9-8e16-333ece9ce12a",  "userID": "exampleUser1",  "groupID": "-6313212148247953407",  "guest": false,  "errorCode": 401,  "errorReasonCode": "INVALID\_CREDENTIALS",  "requestInfo": {  "userLogin": "exampleUser1",  "version": "9.0.5",  "IP": "192.168.0.101",  "platform": "WIN",  "userAgent": "Dylogic-HttpAction/1.5 (OS v6.1 Windows 7 x64 SP1)"  },  "guest":false}  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID\*** | string | Authentication identifier, present in AUTHENTICATION\_SUCCESSFUL\_EVENT events |
| **userAccountID\*** | string | Authentication user account unique identifier, present if an existing user account is authenticating |
| **userID\*** | string | Authentication user account mnemonic identifier, present if an existing user account is authenticating |
| **userGroupID\*** | string | Authentication group unique identifier, present if a user account of an existing group is authenticating |
| **devicePairingID\*** | string | Authentication device pairing identifier, present if a paired device is authenticating |
| **requestInfo** | object | Authentication request details, including “userLogin”, “pairingToken”, “serialNumber”, “platform”, “version”, “IP”, “userAgent” if provided by authenticating client, useful for issue tracking and abuse reporting. |
| **guest** | true/false | True if a guest is authenticating |
| **errorCode\*** | number | Present in AUTHENTICATION\_FAILED\_EVENT events |
| **errorReasonCode\*** | string | Present in AUTHENTICATION\_FAILED\_EVENT events, can be “UNDEFINED”, “MISSING\_CREDENTIALS”, “MISSING\_PAIRING\_CREDENTIALS”, “INVALID\_CREDENTIALS”, “ACCOUNT\_DISABLED”, “ACCOUNT\_GROUP\_DISABLED”, “ACCOUNT\_EXPIRED”, “ACCOUNT\_EXTERNAL\_VALIDATION\_MISSING”, “ACCOUNT\_END\_OF\_TRIAL”, “ACCOUNT\_SERVICE\_SUSPENDED”, “PAIRING\_DISABLED”, “PAIRING\_INVALID\_AMS” |

\*optional

## 

## 

## 

## Registration events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **REGISTRATION\_CREATED\_EVENT** | Generated when an authentication has been performed successfully |
| **REGISTRATION\_DELETED\_EVENT** | Generated when an authentication fails |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "ID": "DL9bf3536e70@LocalMachineExample",  "userAccountID": "41c1d15e-ca36-46e9-8e16-333ece9ce12a",  "groupID": "fcc60bbf-a84f-43b7-b1b6-4c4ac517b4fe",  "guest": false,  "serialNumber": "KQ681608674F4",  "platform": "WIN",  "osInfo": "OS v6.2 WINNT 6.2, build 9200",  "productID": "LifeSize ClearSea Client 9.0.2 (Windows)",  "IP": "60.70.80.90"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Registration unique identifier |
| **userAccountID\*** | string | Registration user account unique identifier, present if registration is performed by a user account |
| **userID\*** | string | Registration user account mnemonic identifier, present if an existing user account is authenticating |
| **groupID\*** | string | Registration group unique identifier, present if registration is performed by a user account |
| **devicePairingID\*** | string | Registration device pairing unique identifier, present if registration is performed by a paired device |
| **guest** | true/false | True if guest registration |
| **serialNumber\*** | string | Serial number of the registering device, always present if registration is performed by a paired device |
| **platform** | string | Platform of the registering endpoint, present also when registration is not performed by a paired device |
| **osInfo** | string | Remote operative system information, as provided by the registering endpoint |
| **productID** | string | Remote product info, as provided by the registering endpoint |
| **IP** | string | Remote IP of the registering endpoint |
| **port** | number | Remote port of the registering endpoint |
| **authenticationID** | string | Registration authentication identifier |

\*optional

## 

## 

## Server events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **CLEARSEA\_SERVER\_STARTED\_EVENT** | Generated when the UVC ClearSea server starts up  **NOTE**  *This event should be considered as a discontinuity point in the UVC CSS events flow, meaning that an event “transactions” open before a CLEARSEA\_SERVER\_STARTED\_EVENT need to be considered ended even if a corresponding \*\_ENDED\_EVENT has not been generated.* |
| **MEDIA\_SERVER\_CONNECTED\_EVENT** | Generated when the Media Server is connected to the running UVC ClearSea server |
| **MEDIA\_SERVER\_DISCONNECTED\_EVENT** | Generated when the Media Server is disconnected to the running UVC ClearSea server |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "version": "4.1.3.1",  "build": "142398"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **version** | string | Server version in dotted format, could contain 3+ levels |
| **build** | string | Server build number useful to tell apart different build within the same version |

## 

## 

## Instant message events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **INSTANT\_MESSAGE\_EVENT** | Generated when a user account sends an instant message to another user account |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "fromUserAccountID": "c3ae6211-2b17-4539-b5a3-f8fcde90e7bf",  "fromUserID": "testUser1",  "fromGroupID": "a81ac0d3-4dc3-4d09-9339-bf1e5aa3a1a5",  "toUserAccountID": "09cd3260-d363-4fb8-89c3-5b39741e23a6",  "toUserID": "testUser2",  "toGroupID": "a81ac0d3-4dc3-4d09-9339-bf1e5aa3a1a5",  "sentToLocal": 0,  "sentDelayedToLocal": 0,  "sentToRemote": 1,  "sentToLocalSelf": 0,  "sentDelayedToLocalSelf": 0,  "sentToRemoteSelf": 1,  "sizeInBytes": 32  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **fromUserAccountID** | string | Source user account unique identifier |
| **fromUserID** | string | Source user account mnemonic identifier |
| **fromGroupID** | string | Source user account’s group unique identifier |
| **toUserAccountID\*** | string | Destination user account unique identifier, present if a valid destination has been found |
| **toUserID\*** | string | Destination user account mnemonic identifier, present if a valid destination has been found |
| **toGroupID\*** | string | Destination user account’s group unique identifier, present if a valid destination has been found |
| **sentToLocal** | number | Number of destination user account’s registration reached by the instant message on local node |
| **sentDelayedToLocal** | number | Number of destination user account’s registration that will be reached by the instant message on local node |
| **sentToRemote** | number | Number of destination user account’s registration reached by the instant message on remote nodes |
| **sentToLocalSelf** | number | Number of source user account’s registration reached by the instant message on local node |
| **sentDelayedToLocalSelf** | number | Number of source user account’s registration that will be reached by the instant message on local node |
| **sentToRemoteSelf** | number | Number of source user account’s registration reached by the instant message on remote nodes |
| **sizeInBytes** | number | Size of the message in bytes |

\*optional

## Conference events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **CONFERENCE\_STARTED\_EVENT** | Generated when a conference is started |
| **CONFERENCE\_ENDED\_EVENT** | Generated when a conference is ended |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody": {  "ID": "1390910621\_0p3p\_C\_2014012813034143900001",  "type": "STANDARD",  "proxiedConferenceID": null,  "meetingID": null,  "meetingGroupID": null,  "maxConcurrentParticipants": 3,  "durationSeconds": 42,  "startedByCallLegID": "1390910621\_0p3p\_CM\_001",  "callLegIDs": [ "1390910621\_0p3p\_CM\_001", "1390910621\_0p3p\_CM\_002" ]  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Conference unique identifier |
| **type** | string | Conference type, allowed values are:   * “STANDARD” marks a standard conference, hosted on the local cluster node * “CLUSTER\_PROXY”: marks a special conference type that is used only to proxy a call leg to a conference hosted on a remote node * “MEETING”: marks a meeting |
| **proxiedConferenceID\*** | string | Unique identifier of the conference proxied by this conference, present if conference type is “CLUSTER\_PROXY” |
| **meetingID\*** | string | Meeting unique identifier, present if type is “MEETING” |
| **meetingGroupID\*** | string | Group unique identifier of the meeting, present if conference type is “MEETING” |
| **maxConcurrentParticipants** | number | Maximum number of participants concurrently present in the conference, 2 for p2p calls, 3 or more for multiparty calls |
| **durationSeconds** | number | Conference duration in seconds |
| **startedByCallLegID** | string | Unique identifier of the inbound call leg that started the conference |
| **callLegIDs** | array of strings | Unique identifiers of all call legs that took part in the conference |

\*optional

## 

## Call Leg events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **CALL\_LEG\_STARTED\_EVENT** | Generated when a call leg is started (an inbound call is received or an outbound call is placed) |
| **CALL\_LEG\_CONNECTED\_EVENT** | Generated when a call leg is connected |
| **CALL\_LEG\_MOVED\_EVENT** | Generated when a call leg is moved to another conference |
| **CALL\_LEG\_ENDED\_EVENT** | Generated when a call leg is terminated |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody": {  "ID": "1390910621\_0p3p\_CM\_001",  "type": "STANDARD",  "clusterProxyTag": null,  "conferenceIDs": [ "1390910621\_0p3p\_C\_2014012813034143900001" ],  "startedByCallLegID": "1390910621\_0p3p\_CM\_001",  "direction": "INBOUND",  "protocol": "SIP",  "mediaType": "VIDEO",  "userAccountID": "405aefed-0b67-4bdd-86e1-b11424209b06",  "userID": "john",  "groupID": "0b0abdbb-bf2b-47c3-a370-c686498dfa45",  "registrationID": "DL9bf3536e70@LocalMachineExample",  "IP": "10.0.2.111",  "port": 5060,  "displayString": "John Connor",  "vendorProductID": "LifeSize T1000",  "vendorVersionID": "1.0.1",  "mediaServerCallID": "SIP\_SEA\_LAN.0p3p\_20140128165255000\_0002",  "dialString": "sip:[john@lifesizecloud.com](mailto:john@sky.com)",  "durationSeconds": 42,  "terminationReason": "HANGUP",  "verboseTerminationReason": "Terminated by user",  "serviceType": "LYNC",  "statistics": { ... }  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Call leg unique identifier |
| **type** | string | Call leg type, allowed values are:   * “STANDARD” marks a standard call leg, hosted on the local cluster node * “CLUSTER\_PROXY”: marks a special call leg that is used to proxy a STANDARD call leg of a remote node |
| **clusterProxyTag\*** | string | Unique identifier used to match a CLUSTER\_PROXY call leg with the corresponding STANDARD call leg of a remote node, present when the call leg is proxied between cluster nodes |
| **conferenceIDs** | array of strings | Conference unique identifiers whose the call leg has been part |
| **startedByCallLegID** | string | Unique identifier of the call leg that caused this call leg to be part of the conference (e.g. the inbound call leg of a p2p call) |
| **direction** | string | Call leg direction, relative to the server, valid values are: “INBOUND”, “OUTBOUND” |
| **protocol** | string | Call leg protocol, valid values are: “SIP”, “SIPS”, “H323” |
| **mediaType** | string | Call leg media type, value is “VIDEO” if the call has ever had video RTP traffic, otherwise it is “AUDIO” |
| **userAccountID\*** | string | Call leg user account unique identifier, present if the remote endpoint owner has a user account |
| **userID\*** | string | Call leg user account mnemonic identifier, present if the remote endpoint owner has a user account |
| **groupID\*** | string | Call leg group unique identifier, present if the remote endpoint owner has a user account |
| **registrationID\*** | string | Unique identifier of the registration of the remote endpoint, present if the remote endpoint is currently registered on the server |
| **IP** | string | Remote IP address of the call leg |
| **port** | number | Remote port of the call leg |
| **displayString** | string | Display string describing the call leg user, as received from the remote endpoint |
| **vendorProductID** | string | Product identifier received from the remote endpoint |
| **vendorVersionID** | string | Product version received from the remote endpoint |
| **mediaServerCallID** | string | Identifier of the Call Leg on the Media Server (for troubleshooting purposes) |
| **dialString** | string | Dial string (call destination) as entered by the remote user if the call leg is INBOUND, dial string used to call the remote use if the call leg is OUTBOUND |
| **durationSeconds** | number | Call leg duration in seconds (time since it was connected) |
| **terminationReason** | string | Reason for call leg termination (a fixed set of values, actual values are TBD) |
| **verboseTerminationReason** | string | Verbose reason for call leg termination, textual description to be used only for troubleshooting purposes |
| **serviceType** | string | (optional) This field is present only if the call was received from a Cloud service. Currently the only possible value is “LYNC” to indicate that the call was received from the Lync Gateway |
| **statistics** | object | A call leg statistics object, present only on call leg termination |

\*optional

### Call leg statistics object structure

Statistics object, included in the Call Leg event Body on call leg termination..

|  |
| --- |
| ...  "statistics": {  "mediumAudio": { "rx" : { ... }, "tx" : { ... } },  "mediumH224": { "rx" : { ... }, "tx" : { ... } },  "mediumH239": { "rx" : { ... }, "tx" : { ... } },  "mediumVideo": { "rx" : { ... }, "tx" : { ... } }  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **mediumAudio** | object | Call leg statistics related to the Audio medium,  “rx”: received by the server, “tx” transmitted by the server |
| **mediumVideo** | object | Call leg statistics related to the Video medium, “rx”: received by the server, “tx” transmitted by the server |
| **mediumH239** | object | Call leg statistics related to the H.239 medium (presentation sharing), “rx”: received by the server, “tx” transmitted by the server |
| **mediumH224** | object | Call leg statistics related to the H.224 medium, “rx”: received by the server, “tx” transmitted by the server |

### Call leg medium rx/tx statistics object structure

Statistics object, included in the medium rx/tx of call leg statistics objects.

|  |
| --- |
| ...  "rx" or "tx": {  "adr" : "10.0.7.188:13974",  "bw" : 1881296,  "c" : "h263p",  "cph" : "NONE",  "f" : 90000,  "fec" : 1,  "kex" : { "s" : false, "t" : "KEY\_EXCHANGE\_UNKNOWN" },  "lpre" : 1,  "m" : 30,  "mb" : 2048000,  "nack" : 1,  "obw" : 1901072,  "obwf" : 0,  "obwn" : 0,  "pl" : 0.0,  "plan" : 0.0,  "plfp" : 0,  "plft" : 0,  "plp" : 0,  "plrp" : 0,  "plrt" : 0,  "plt" : 0,  "pt" : 113,  "t" : 31  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **adr** | string | Media address (IP address and port) |
| **bw** | number | Current bandwidth (bps) |
| **c** | string | Codec name |
| **cph** | string | Encryption suite |
| **f** | number | RTP clock rate |
| **fec** | number | FEC version |
| **kex** | object | SRTP key exchange information |
| **kex.s** | true/false | Cryptographically secure kex |
| **kex.t** | string | Kex method |
| **lpre** | number | LPReTx requests enabled |
| **m** | number | Current FPS (from RTP markers) |
| **mb** | number | Maximum bitrate (bps) |
| **nack** | number | NACK requests enabled |
| **obw** | number | Current overhead bitrate (bps) |
| **obwf** | number | FEC overhead bitrate (bps) |
| **obwn** | number | NACK overhead bitrate (bps) |
| **pl** | number | Packet loss percent (network). This number is a floating point number between 0 and 100 with up to six digits of precision. |
| **plan** | number | Packet loss percent (after recovery). This number is a floating point number between 0 and 100 with up to six digits of precision. |
| **plfp** | number | Packets recovered by FEC partial (last second) |
| **plft** | number | Packets recovered by FEC total |
| **plp** | number | Packets lost partial (last second) |
| **plrp** | number | Packets recovered partial (last second) |
| **plrt** | number | Packets recovered total |
| **plt** | number | Packets lost total |
| **pt** | number | RTP payload type |
| **t** | number | Current FPS (from RTP timestamps) |
| **rtpActivity** | boolean | true if rtp activity has been detected (i.e. on H239 medium this value signals if a remote has sent presentation [true in rx], or received presentation [true in tx]). |
| **encrypted** | boolean | true if medium direction has ever been encrypted |

## 

## 

## Client survey events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **CLIENT\_SURVEY\_EVENT** | Generated when a user submits a filled survey |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody" : {  "userAccountID": "c3ae6211-2b17-4539-b5a3-f8fcde90e7bf",  "groupID": "a81ac0d3-4dc3-4d09-9339-bf1e5aa3a1a5",  "platform": "WIN",  "version": "9.0.41",  "osInfo": "OS v6.2 WINNT 6.2, build 9200",  "clientEventDate": 1404394319088,  "surveyType": "CALL\_RATING\_V1",  "surveyData": {  ...  },  "lastCallData": { ... }  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **userAccountID\*** | string | User account unique identifier, not present for guest users |
| **groupID\*** | string | User account’s group identifier, not present for guest users |
| **platform** | string | Client platform |
| **version** | string | Client version |
| **osInfo** | string | Client OS type description |
| **clientEventDate** | number | Event date as observed on the client |
| **surveyType** | string | Survey type, needed to tell different survey types and versions apart.  Currently the value of this field is always “CALL\_RATING\_V1”, but in the future we may add more survey types/versions. |
| **surveyData** | object | Survey data.  If surveyType is “CALL\_RATING\_V1” then this object contains two parameters:   * “callRating” is an interger number in range 1..5 * “comment” is a textual comment entered by the user |
| **lastCallData** | object | Information about the last call |

\*optional

### lastCallData structure

|  |
| --- |
| ...  "lastCall" : {  "type": "OUTGOING",  "startDate": 1404394273728,  "connectDate": 1404394275429,  "disconnectDate": 1404394314558,  "conferences": [{  ...  },  {  ...  }]  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **type** | string | “OUTGOING” or “INCOMING” |
| **startDate** | number | Call start date, 0 if not available |
| **connectDate** | number | Call connect date, 0 if not available |
| **disconnectDate** | number | Call disconnect date, 0 if not available |
| **conferences** | array | Conferences entered during the call, structure described below.  The array could be empty if the call failed immediately, before the server could put add the call-leg to a conference and notify it to the client.  The array can contain multiple conferences because a call leg can be moved from one conference to another. E.g. a user in a p2p call is invited in another conference. |

### conference structure

Conference data structure. The selfParticipant sub-structure describes the authenticated user on this device when connected to the described conference.

|  |
| --- |
| ...  "conferences" : [{  "ID": "XRVX\_C\_2014070315312710900006",  "startDate": 1404394287109,  "maxConcurrentParticipants": 4,  "meeting": false,  "selfParticipant": {  "ID": "XRVX\_P\_00011",  "serverCallLegID": "1404393646\_XRVX\_CM\_010",  "terminationReason": "UNKNOWN",  "guest": false,  "connectDate": 1404394288781,  "disconnectDate": 0  }  }]  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Conference ID |
| **startDate** | number | Conference start date |
| **maxConcurrentParticipants** | number | Conference max concurrent participants while self participant was in that conference |
| **meeting** | boolean | True if the conference is an actual meeting |
| selfParticipant**.ID** | array | Self participant ID |
| selfParticipant**.serverCallLegID** | string | Self participant server call leg ID |
| selfParticipant**.terminationReason** | string | Self participant termination reason |
| selfParticipant**.guest** | boolean | True if self participant is a guest user |
| selfParticipant**.connectDate** | number | When self participant connected to the conference, 0 if not available |
| selfParticipant**.disconnectDate** | number | When self participant disconnected from the conference, 0 if not available |

## Log forwarder events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **LOG\_FORWARDER\_FILE\_RECEIVED\_EVENT** | Generated when CSS receive a log file from CSC |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody": {  "ID": "tTp08a79-46asg12",  "platform": "IOS\_IPHONE",  "version": "9.0.23",  "userAccountID": "41c1d15e-ca36-46e9-8e16-333ece9ce12a",  "userID": "exampleUser1",  "groupID": "dba21e23-a152-4244-b3dc-745c45abef97",  "reason": "VIDEO\_CALL\_QUALITY",  "nodeID": "CL-s26s"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ID** | string | Log ID generated by clients |
| **platform** | string | Client platform, can be “IOS\_IPHONE”, “IOS\_IPAD”, “ANDROID”, “OSX”, “WIN”,”UNKNOWN” |
| **version** | string | Version number of the client |
| **userAccountID**\* | string | Authentication user account unique identifier, present if available |
| **userID\*** | string | User identifier if available |
| **groupID\*** | string | Group at which the user belongs |
| **reason\*** | string | String identifying the category of issue reported by the user |
| **nodeID** | String | Node at which the CSC has forwarded the log |

\* optional

## Status monitor events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **STATUS\_MONITOR\_EVENT** | Generated when CSS receive a log file from CSC |

### Body structure

All event types share the same body structure.

|  |
| --- |
| ...  "eventBody": {  "statsVersion": "1.0"  "statistics": { … }  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **statsVersion** | String | version number for future extensions. |
| **statistics** | object | A CSS status monitor statistics object |

\* optional

Here an example of contents for the “statistics” field.

|  |
| --- |
| {  "System": {  "FreeSpace\_MB": 75425,  "ProcessCPU\_PERCENTAGE": 0.522902149787464,  "HeapUsed\_MB": 19.324936,  "Threads": 103,  "MediaServer\_Connected": 1  },  "Service": {  "Accounts": 220021,  "Registered\_Local": 0,  "Registered\_Cluster": 0,  "CallLegs": 0,  "Conferences": 0  },  "Cluster": {  "Scrubbing\_s": 2493694,  "MTSSyncETA\_s": 0,  "MaxMsgQueue\_RX\_PERCENTAGE": 0,  "MaxMsgQueue\_TX\_PERCENTAGE": 0,  "OnlineNodes\_PERCENTAGE": 2,  "ClusterSeenNodes\_PERCENTAGE": 4,  "TimeDiff\_Max\_ms": 1,  "TimeDiff\_Variance\_\_ms\_2": 0,  "KbpsRx\_Total\_Kbps": 0.5913785,  "KbpsRx\_Variance\_Kbps\_2": 0,  "KbpsTx\_Total\_Kbps": 0.43187422,  "KbpsTx\_Variance\_Kbps\_2": 0  },  "Datastore": {  "uvc\_clearsea\_psql": {  "DB": {  "MW": {  "Local": 0,  "Remote": 2,  "Duplicate": 0,  "InvalidMts": 0  },  "SW": {  "Local": 0,  "Remote": 0,  "Duplicate": 0,  "InvalidMts": 0  }  },  "entity": {  "MW": {  "sent": {  "Scrubbing\_msgs": 0,  "Scrubbing\_resend\_msgs": 0  },  "received": {  "Scrubbing\_msgs": 0,  "Scrubbing\_resend\_msgs": 0  }  },  "SW": {  "sent": {  "Scrubbing\_msgs": 0  },  "received": {  "Scrubbing\_msgs": 0  }  }  },  "ack": {  "MW": {  "received": {  "Scrubbing\_msgs": 0  }  },  "SW": {  "received": {  "Scrubbing\_msgs": 0  }  }  }  }  },  "DatastoreDepot": {  "Send\_Data\_Performance\_PERCENTAGE": 0,  "Send\_Ack\_Performance\_PERCENTAGE": 1,  "Received": {  "gMM6": {  "Updates": 2,  "Ack": 0,  "Ratio": 1  }  }  }  } |

# 

# 

# 

# 

# 

# 

# 

# 

# 

# **5.UVC VC - Events**

## Recording service events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **RECORDING\_INITIATED\_EVENT** | Generated when a recording is started |

### Body structure

|  |
| --- |
| ...  "eventBody" : {  "ownerUUID" : "374d833d-b697-48ce-b910-5b8ac33e8def",  "meetingUUID" : "567d833d-ab56-ced8-e918-9cgac33eb678",  "groupUUID" : "4f936652-5684-4097-b33b-8bc37ad78d24",  "recordingUUID" : "6gh78852-9784-56gh-ab34-8bc37ae967d2",  "sipCallId" : "Dle87a174313@companydomain.com",  "cssConfId" : 1390910621\_0p3p\_C\_2014012813034143900001",  "isLive" : false,  "creationDate" : 24347488969  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ownerUUID** | string | User account unique identifier of recording owner |
| **meetingUUID** | string | Meeting unique identifier |
| **groupUUID** | string | Group unique identifier |
| **recordingUUID** | string | Recording unique identifier |
| **sipCallId** | string | SIP call unique identifier |
| **cssConfId** | string | CSS conference unique identifier |
| **isLive** | true/false | True if recording is streamed live |
| **creationDate** | number | Recording creation timestamp (milliseconds since Epoch) |

|  |  |
| --- | --- |
| **type** | **description** |
| **RECORDING\_SUCCESS\_EVENT** | Generated when a recording is completed successfully |

### Body structure

|  |
| --- |
| ... "eventBody": {  "ownerUUID": "374d833d-b697-48ce-b910-5b8ac33e8def",  "meetingUUID": "567d833d-ab56-ced8-e918-9cgac33eb678",  "groupUUID": "4f936652-5684-4097-b33b-8bc37ad78d24",  "recordingUUID": "6gh78852-9784-56gh-ab34-8bc37ae967d2",  "durationSeconds": 300,  "totalDuration": {"hours":20, "minutes":30, "seconds":45},  "endDate": 45657787979,  "diskSpaceMB": 20, } ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ownerUUID** | string | User account unique identifier of recording owner |
| **meetingUUID** | string | Meeting unique identifier |
| **groupUUID** | string | Group unique identifier |
| **recordingUUID** | string | Recording unique identifier |
| **durationSeconds** | number | Recorded video duration in seconds |
| **totalDuration** | object | Total duration of recorded videos for the organization |
| **endDate** | number | Recording completion timestamp (milliseconds since Epoch) |
| **diskSpaceMB** | number | Total disk usage in MB for this recording |

### totalDuration structure

|  |
| --- |
| ...  "totalDuration": {  "hours": 20,  "minutes": 30,  "seconds": 45  }  ... |

|  |  |
| --- | --- |
| **type** | **description** |
| **RECORDING\_FAILED\_EVENT** | Generated when a recording fails |

### Body structure

|  |
| --- |
| ...  "eventBody": {  "ownerUUID": "374d833d-b697-48ce-b910-5b8ac33e8def",  "meetingUUID": "567d833d-ab56-ced8-e918-9cgac33eb678",  "groupUUID": "4f936652-5684-4097-b33b-8bc37ad78d24",  "recordingUUID": "6gh78852-9784-56gh-ab34-8bc37ae967d2",  "reason": "String with failure reason"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ownerUUID** | string | User account unique identifier of recording owner |
| **meetingUUID** | string | Meeting unique identifier |
| **groupUUID** | string | Group unique identifier |
| **recordingUUID** | string | Recording unique identifier |
| **reason** | string | Recording failure reason |

|  |  |
| --- | --- |
| **type** | **description** |
| **RECORDING\_DELETED\_EVENT** | Generated when a recorded video is deleted |

### Body structure

|  |
| --- |
| ...  "eventBody": {  "ownerUUID": "374d833d-b697-48ce-b910-5b8ac33e8def",  "meetingUUID": "567d833d-ab56-ced8-e918-9cgac33eb678",  "groupUUID": "4f936652-5684-4097-b33b-8bc37ad78d24",  "recordingUUID": "6gh78852-9784-56gh-ab34-8bc37ae967d2",  "totalDuration": {"hours":20, "minutes":30, "seconds":45}  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **ownerUUID** | string | User account unique identifier of recording owner |
| **meetingUUID** | string | Meeting unique identifier |
| **groupUUID** | string | Group unique identifier |
| **recordingUUID** | string | Recording unique identifier |
| **totalDuration** | object | Total duration of recorded videos for the organization |

### totalDuration structure

|  |
| --- |
| ...  "totalDuration": {  "hours": 20,  "minutes": 30,  "seconds": 45,  }  ... |

## Streaming/Amplify service events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **AMPLIFY\_BUFFERING** | Generated when a stream is paused for buffering |
| **AMPLIFY\_ERROR** | Generated when a stream encounters an error |
| **AMPLIFY\_PAUSE** | Generated when a stream is paused |
| **AMPLIFY\_PLAY** | Generated when a stream is played |
| **AMPLIFY\_STOP** | Generated when a stream is stopped |

### Body structure

|  |
| --- |
| ...  "eventBody" : {  "sessionID" : " 16ecf47b-6567-4592-ba60-f7af8e473eb5",  "meetingUUID" : " 72f313fe-d225-4757-b328-8512ad0efa58",  "groupUUID" : " 851feeb6-69b1-4f1a-aa61-342fd7a25e67",  "recordingUUID" : " 33d26158-59b9-48b6-b6c9-4e660f61a185",  "viewerUUID" : "",  "viewerName" : "E3575",  "cssConfId" : "geCs\_C\_20180130234201577178961",  "streamType" : "LIVE",  "creationDate" : 1517377471000,  "moderator" : 0,  "clientIP" : "",  "userAgent" : "Mozilla/5.0 (Linux; Android 6.0; vivo 1609 Build/MRA58K) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/62.0.3202.84 Mobile Safari/537.36",  "streamBitrate" : 0,  "reason" : ""  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **sessionID** | string | Unique identifier of session |
| **meetingUUID** | string | Meeting unique identifier |
| **groupUUID** | string | Group unique identifier |
| **recordingUUID** | string | Recording unique identifier |
| **viewerUUID** | string | If viewer is a User, their userAccountID |
| **viewerName** | string | Viewer displayName |
| **cssConfId** | string | CSS conference unique identifier |
| **streamType** | string | LIVE is our only value right now |
| **creationDate** | number | Recording creation timestamp (milliseconds since Epoch) |
| **moderator** | true/false | true if Viewer is moderator of stream |
| **clientIP** | string | IP Address of viewer client |
| **userAgent** | string | viewer user agent |
| **streamBitrate** | number | Bitrate of stream |
| **reason** | string | Reason for error, if error |

# **6.Monitor Service - Events**

## Icon Health Monitor service events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **MONITORING\_SERVICE\_GROUP\_SETTINGS\_CHANGE** | Generated when a change is made to monitor service settings |

### Body structure

|  |
| --- |
| ...  "eventBody" : {  "guid" : "81d35f0e-8a4a-4cc2-a85d-9771d741afab",  "alertNotificationsEmail" : "",  "alertNotificationsLocale" : "zh-Hans",  "alertNotificationsEnabled" : 0  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **guid** | string | Account unique identifier (groupID or groupUUID) |
| **alertNotificationsEmail** | string | email address to send alerts to |
| **alertNotificationsLocale** | string | locale to use for message translation |
| **alertNotificationsEnabled** | true/false | true if alerts should be sent |

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **MONITORING\_SERVICE\_ICON\_INCIDENT** | Generated when an alert condition is met or resolved |

### Body structure

|  |
| --- |
| ... "eventBody": {  "userAccountID": "4e52c1a5-ad72-4b9a-8b02-57e8ab99aa47",  "pairingToken": "d0b0d62f-7180-4118-b836-6aba6480666b",  "deviceKey": "icon:RJ6A370A66034",  "serialNumber": "RJ6A370A66034",  "incidentAlertNotify": 1,  "incidentAlertable": 0,  "incidentLabel": "Display Disconnected",  "incidentStartTime": 1515219323,  "extension" : "2696168",  "guid" : "b04b80fe-088d-485c-8a14-1e29459fc1ee" } ... |
|  |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **userAccountID** | string | User account unique identifier of device |
| **pairingToken** | string | Current pairing token |
| **deviceKey** | string | device type : serial# |
| **serialNumber** | string | serial number |
| **incidentAlertNotify** | true/false | true if alert should be generated |
| **incidentAlertable** | true/false | true if generated alert should be emailed |
| **incidentLabel** | string | label for alert |
| **incidentStartTime** | number | Epoch time of incident |
| **extension** | string | Extension of paired device |
| **guid** | string | Account unique identifier (groupID or groupUUID) |

# **7.Calendar Service - Events**

## Calendar service events

### Types

|  |  |
| --- | --- |
| **type** | **description** |
| **CALENDAR\_DEVICE\_SUBSCRIBE** | Generated when a device is subscribed to a calendar |
| **CALENDAR\_ACCOUNT** | Generated when a calendar is registered with the service |
| **CALENDAR\_DEVICE\_UNSUBSCRIBE** | Generated when a device is unsubscribed to a calendar |

### Body structure

|  |
| --- |
| ...  "eventBody" : {  "groupID" : "c095c2c0-e1ef-42c2-9f10-63af3ca1361d",  "provider" : "office365",  "calendar" : "z.hqnorthfiesta@stcu.org",  "device" : "5829374@lifesizecloud.com"  }  ... |

|  |  |  |
| --- | --- | --- |
| **name** | **type** | **description** |
| **groupID** | string | Account unique identifier |
| **provider** | string | calendar domain |
| **calendar** | string | calendar name (not for CALENDAR\_ACCOUNT events) |
| **device** | true/false | device address (<extension>@<domain>) (not for CALENDAR\_ACCOUNT events) |