![LifeSize logo]

# Release Notes

## LifeSize ClearSea Server
## Release v3.0.13

LifeSize recommends that you upgrade your LifeSize video systems to version 4.11.8 or later for the best performance with LifeSize ClearSea. Refer to the release notes for your LifeSize video systems for details.

LifeSize ClearSea Server v3.0.13 interoperates with LifeSize ClearSea Client v8.1.6.

For all current product documentation, refer to lifesize.com/support.

> **CAUTION**: Upgrading to LifeSize ClearSea Server v3.0.13 requires that your firmware be at v2.0.13 or later.
>
> LifeSize strongly recommends that you create a backup before you upgrade. Downgrading to an earlier version requires that you have a backup available with a version earlier than or equal to the firmware being restored.

# New Features

Following are the major new features in this release:

■ Configure LifeSize ClearSea Server to adjust to third party router and firewall constraints with the following new parameters available in **Control Panel : SERVICE : General : ClearSea Clients Settings**:

- **TCP Keep-alive Interval**. The keepalive interval, in seconds, for ClearSea Clients. The default value is 60 seconds, and the minimum is 60 seconds.
- **Registration Timeout**. The registration timeout, in seconds, for ClearSea Clients. The default value is 600 seconds, and the minimum is 180 seconds.

■ Two new call routing tags are available for custom SIP and H.323 aliases of forward call routing rules. Use these tags only when **Caller Transformation** and **Called Transformation** are enabled.

- <destinationURIUser>. The user part of the destination URI replaces this tag.
- <destinationURIHost>. The host part of the destination URI replaces this tag.

■ The following new REST resources are available. For details, refer to Documentation Errata.

- **status/registeredUsers**
- **status/registeredUsers/{registeredUserID}**
- **status/activeCalls**
- **status/activeCalls/{activeCallID}**

■ The PDU parser for incoming H.245 signaling now also supports H.264 packetization mode 1.

# Resolved Issues

Following are the major resolved issues in this release. Numbers in parentheses are used for internal tracking.

- This release fixes an issue that required a system reboot due to system slowdown and unresponsiveness. Additionally, the fix adjusts the logging level to collect fewer event messages and prevent system slowdown. (MCS-94, MC-428, MC-516)

- If you modify a call routing rule on one node during cluster synchronization of ClearSea Server, the rule is no longer duplicated. (MCS-127)

- During cluster synchronization, call routing rules are in the same order across nodes in the cluster. (MCS-118)

- LifeSize ClearSea Server no longer prevents RTP media from being sent due to mishandling the session description protocol (SDP) for incoming provisional responses. (MCS-99)

- Notifications to external servers no longer fail because of resource leaks. (MC-707)

- External HTTP authentication no longer fails when registering SIP or H.323 systems with an account that does not have local credentials. (MC-706)

- The *contact delete* and *call history delete* external notifications are no longer triggered when you delete the associated user account or group. (MC-705)

- LifeSize ClearSea Server now negotiates custom bit rates properly. (MC-564)

# Known Issues

Following are known issues and workarounds, if available. Numbers in parentheses are used for internal tracking.

- LifeSize ClearSea Server cannot upload the banner for iOS clients when port 80 is blocked on the server. (MC-399)

- When upgrading from a release previous to v3.0.4, local credentials for existing accounts with an empty string as a password are no longer available. If you have configured the internal authentication method, these users will be unable to log in. You must reconfigure the credentials of these local accounts.

# Documentation Errata

This section lists updates to the REST resources for LifeSize ClearSea.

## /status/registeredUsers

This resource allows you to retrieve currently registered users.

### GET Method

The GET method retrieves the list of currently registered users. You can filter results with optional arguments. You can also use more than one search parameter at the same time.

HTTP query arguments:

| Name | Description | Notes |
|---|---|---|
| searchFilter | Returns only the registered users that contain the specified substring in any of their alphanumeric fields. | optional |
| ID | Filters by user registration ID. | optional |
| userID | Filters by the user ID (exact match). | optional |
| userIP | Filters by IP address (exact match). | optional |
| protocol | Filters by protocol. Valid values: *SIP*, *H323* | optional |
| networkInterface | Filters by network interface. Valid values: *LAN*, *WAN* | optional |
| isCSC | Filters by system type. This Boolean is true for ClearSea Client systems and false for any other system. | optional |
| status | Filters by registration status (exact match). | optional |
| userEndpoint | Filters by system name (exact match). | optional |
| osInfo | Filters by operating system information (exact match). | optional |
| systemID | Filters by the system ID (exact match). | optional |
| startDate | Filters by login date, with format *YYYY-MM-DD HH:MM:SS +Z* (year-month-day hours:minutes:seconds timezone). | optional |
| orderBy | Sorts results by a specified field. Valid fields: *ID*, *userID*, *userIP*, *protocol*, *networkInterface*, *isCSC*, *status*, *userEndpoint*, *osInfo*, *systemID*, *startDate* | optional |
| orderDirection | Defines the direction of the results. Valid values: *ASC* (the default) for ascending, *DESC* for descending | optional |
| limitStart | Limits the returned entries. Specifies the offset in the result list of the first result to retrieve (integer value). | optional |
| limitSize | Limits the returned entries. Specifies the maximum number of result to retrieve (integer value). Default is 100. | optional |

Output payload MIME types: **"application/json;charset=utf-8"**

Output HTTP status codes:

- 200 OK – The API call succeeded with no errors; a JSON Registered User object list is returned.

- 400 Bad Request – The API call failed because of an error in the input arguments; a JSON Error is returned.

- 401 Unauthorized – Authentication failed.

- 500 Internal Server Error – An internal error occurred while processing the API call; an Error is returned.

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CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/status/registeredusers"
```

# /status/registeredUsers/{registeredUserID}

This resource allows you to retrieve registered users.

## GET Method

The GET method retrieves entry data for the registered user.

Output payload MIME types: **"application/json;charset=utf-8"**

Output HTTP status codes:

- 200 OK – The API call succeeded with no errors; a JSON Registered User object list is returned.

- 400 Bad Request – The API call failed because of an error in the input arguments; a JSON Error is returned.

- 401 Unauthorized – Authentication failed.

- 404 Not Found – The API call failed because the call history entry was not found; a JSON Error is returned.

- 500 Internal Server Error – An internal error occurred while processing the API call; an Error is returned.

CURL example:

```
curl -v
"http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/status/registeredusers/DLb101fd032
3@NODE"
```

## DELETE Method

The DELETE method forces unregistration of a registered user.

Output payload MIME types: **"application/json;charset=utf-8"**

Output HTTP status codes:

- 204 No Content – The API call succeeded with no errors; the registered user client was unregistered.

- 400 Bad Request – The API call failed because of an error in the input arguments; a JSON Error is returned.

- 401 Unauthorized – Authentication failed.

- 404 Not Found – The API call failed because the entry was not found; a JSON Error is returned.

- 500 Internal Server Error – An internal error occurred while processing the API call; an Error is returned.

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/
status/registeredusers/DLb101fd0323@NODE"
```

# /status/activeCalls

This resource allows you to retrieve the active call list.

**GET Method**

The GET method retrieves the list of active calls on the local ClearSea Server node. You can filter results with optional arguments. You can also use more than one search parameter at the same time.

HTTP query arguments:

| Name | Description | Notes |
|------|-------------|-------|
| **searchFilter** | Returns only the active calls that contain the specified substring in any of their alphanumeric fields. | optional |
| **ID** | Filters by call ID. | optional |
| **callerID** | Filters by caller user ID (exact match). | optional |
| **callerIP** | Filters by caller IP address (exact match). | optional |
| **callerProtocol** | Filters by caller system protocol. Valid values: *SIP, H323* | optional |
| **callerIsCSC** | Filters by caller system type. This Boolean is true for ClearSea Clients and false for any other system. | optional |
| **callerNetworkInterface** | Filters by network interface of the caller system. Valid values: *LAN, WAN* | optional |
| **callerEndpoint** | Filters by caller system name (exact match). | optional |
| **callerStatus** | Filters by status of the caller (exact match). | optional |
| **dialString** | Filters by dial string entered by the caller (exact match). | optional |
| **calledID** | Filters by the called ID (exact match). | optional |
| **calledIP** | Filters by called system IP address (exact match). | optional |
| **calledProtocol** | Filters by called system protocol. Valid values: *SIP, H323* | optional |
| **calledIsCSC** | Filters by called system type. This Boolean is true for ClearSea Clients and false for any other system. | optional |
| **calledNetworkInterface** | Filters by network interface of the called system. Valid values: *LAN, WAN* | optional |
| **calledEndpoint** | Filters by called system name (exact match). | optional |
| **connectedDate** | Filters by connected date, with format *YYYY-MM-DD HH:MM:SS +Z* (year-month-day hours:minutes:seconds timezone) or null if the call was not connected. | optional |
| **orderBy** | Sorts results by a specified field. Valid fields: *ID, callerID, callerIP, callerProtocol, callerIsCSC, callerNetworkInterface, callerEndpoint, callerStatus, dialString, calledID, calledIP, calledProtocol, calledIsCSC, calledNetworkInterface, calledEndpoint, connectedDate* | optional |
| **orderDirection** | Defines the direction of the results. Valid values: *ASC* for ascending (the default), *DESC* for descending | optional |
| **limitStart** | Limits the returned entries. Specifies the offset in the result list of the first result to retrieve (integer value). | optional |
| **limitSize** | Limits the returned entries. Specifies the maximum number of result to retrieve (integer value). Default is 100. | optional |

Output payload MIME types: **"application/json;charset=utf-8"**

Output HTTP status codes:

- 200 OK – The API call succeeded with no errors; a JSON Active Call object list is returned.

- 400 Bad Request – The API call failed because of an error in the input arguments; a JSON Error is returned.

- 401 Unauthorized – Authentication failed.

- 500 Internal Server Error – An internal error occurred while processing the API call; an Error is returned.

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/status/activecalls"
```

# /status/activeCalls/{activeCallID}

This resource allows you to retrieve details of a call on the local ClearSea Server node.

### GET Method

The GET method retrieves data for the requested active call.

Output payload MIME types: **"application/json;charset=utf-8"**

Output HTTP status codes:

- 200 OK – The API call succeeded with no errors; a JSON Active Call object is returned.

- 400 Bad Request – The API call failed because of an error in the input arguments; a JSON Error is returned.

- 401 Unauthorized – Authentication failed.

- 404 Not Found – The API call failed because the call history entry was not found; a JSON Error is returned.

- 500 Internal Server Error – An internal error occurred while processing the API call; an Error is returned.

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/status/activecalls
/NODE_C_20120806171625516001"
```

### DELETE Method

The DELETE method ends an active call.

Output payload MIME types: **"application/json;charset=utf-8"**

Output HTTP status codes:

- 204 No Content – The API call succeeded with no errors; the active call was dropped.

- 400 Bad Request – The API call failed because of an error in the input arguments; a JSON Error is returned.

- 401 Unauthorized – Authentication failed.

- 404 Not Found – The API call failed because the entry was not found; a JSON Error is returned.

- 500 Internal Server Error – An internal error occurred while processing the API call; an Error is returned.

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/
status/activecalls/NODE_C_20120806171625516001"
```

# Contacting Technical Services

LifeSize Communications welcomes comments about our products and services. Send feedback about this or other LifeSize products to feedback@lifesize.com. Refer to lifesize.com/support for additional ways to contact LifeSize Technical Services.