



LifeSize[®] ClearSea[™] API Reference

LifeSize ClearSea API

LifeSize ClearSea is a client/server solution for desktop and mobile video collaboration. Users can connect from their desktops or mobile devices to H.323 or SIP devices, including video systems, MCUs, and gateways. This guide describes the API for LifeSize ClearSea.

NOTE Documentation for installing and administering LifeSize ClearSea Server is available from lifesize.com/support.

The LifeSize ClearSea API provides a set of resources with methods that can be called by external applications. API calls are made by sending a request to an API resource and specifying a method and arguments. A formatted response details the operation's outcome.

This API supports a REST model for accessing a set of resources through a fixed set of operations. API calls are made either through HTTP requests on port 8800 or through HTTPS on port 8801. The API resource name is always specified in the HTTP URL and the action to be performed depends on the HTTP request method: GET, POST, PUT, DELETE.

Each API method accepts a set of arguments, required or optional. Arguments must be specified in the request URL, in the query string, or as form parameters.

Standard HTTP response status codes represent the outcome of an operation. The response body is usually expressed in JSON format (MIME type *application/json; charset=utf-8*) or with other MIME types.

Examples use the command line tool CURL to call each API method. This tool allows you to test the API without having to implement a client.

Authentication

The same authentication policies that are enforced on the Control Panel also apply to API calls. Each request to an API method must perform HTTP BASIC authentication, using the same username and password that have been configured on the Control Panel for the server administrator (**admin** user).

API calls performed over HTTPS are served using the same SSL certificate configured for HTTPS Control Panel access.

NOTE The user administrator (**uadmin**) account is not allowed to access the LifeSize ClearSea API.

Character Encoding

All HTTP query arguments must be URL-encoded with UTF-8 character encoding. This applies also to entity names (account names, group names) even when they are included in the URL.

Input payloads are also expected to have UTF-8 character encoding unless a different charset is specified in the **Content-Type** HTTP header.

JSON output is always produced with UTF-8 character encoding, regardless of the **Accept** HTTP header received.

REST Resources

REST API resources are available at the following locations:

`http://SERVER_ADDRESS:8800/api/v2`

`https://SERVER_ADDRESS:8801/api/v2`

These API URLs refer to LifeSize ClearSea API version 2, which was introduced in ClearSea version 2.0.3. The older API version 1 is no longer supported.

A WADL document describing the REST API is located at:

`http://SERVER_ADDRESS:8800/api/v2/rest/application.wadl`

`https://SERVER_ADDRESS:8801/api/v2/rest/application.wadl`

/service/accounts

The **/service/accounts** resource allows you to list and manage two types of accounts:

- **User** - LifeSize ClearSea user accounts available from the Control Panel in **SERVICE : Accounts**.
- **Room** - Conference rooms managed from the Control Panel in **SERVICE : Conference Rooms**.

GET method

The GET method retrieves a list of the configured accounts. 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 accounts that contain the specified substring in any of their alphanumeric fields.	Optional
ID	Returns only the account with the specified numeric ID.	Optional
type	Filters by account type. Valid values: <i>User, Room</i>	Optional
userID	Returns only the account with the specified userID (exact match).	Optional
extension	Returns only the account with the specified extension (exact match).	Optional
enabled	Filters by account enabled/disabled. Valid values: <i>true, false</i>	Optional
expiryDate	Filters by expiration date. Date format is <i>YYYY-MM-DD +ZZZZ</i> (year-month-day +timezone).	User only, optional
groupName	Filters by a group name (exact match), or by a list of group names separated by " " (pipe) characters.	User only, optional
displayName	Filters by display name (exact match).	User only, optional
email	Filters by email (exact match).	User only, optional
description	Filters by account description (exact match).	User only, optional
hasLocalCredentials	Filters by accounts that have associated local credentials. Valid values: <i>true, false</i>	User only, optional
password	Filters by password (exact match).	User only, optional
pin	Filters by conference room PIN.	Room only, optional
maxParticipants	Filters by maximum number of conference room participants. A value of 0 means no limit.	Room only, optional
logins	Filters by number of logins.	User only, optional

Name	Description	Notes
outboundCalls	Filters by number of calls placed.	User only, optional
incomingCalls	Filters by number of calls received.	User only, optional
lastLoginDate	Filters by date of the last login. Date format is <i>YYYY-MM-DD+ZZZZ</i> (year-month-day +timezone).	User only, optional
lastCallDate	Filters by date of the last call. Date format is <i>YYYY-MM-DD+ZZZZ</i> (year-month-day +timezone).	User only, optional
orderBy	Sorts results by a specified field. Valid fields are <ul style="list-style-type: none"> • type • userID • extension • enabled • expiryDate • groupName • displayName • email • description • hasLocalCredentials • password • pin • maxParticipants • logins • outboundCalls • incomingCalls • lastLoginDate • lastCallDate 	Optional
orderDirection	Sorts results direction. Valid values are <i>ASC</i> for ascending, <i>DESC</i> for descending. The default is <i>ASC</i> .	Optional
limitStart	Limits the returned accounts. Specifies the offset in the result list of the first result to retrieve (integer value).	Optional
limitSize	Limits the returned accounts. Specifies the maximum number of results to retrieve (integer value). The 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 Result list of Account objects is returned. Refer to [Result list](#) and [Account](#).

- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

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

POST method

The POST method creates a new account.

The input for this method is a JSON object containing the account properties. This JSON object must have the required properties and may contain a subset of the optional properties. If you do not specify a value for an optional property, the default value is used.

Input payload MIME types (UTF-8 charset is expected if not specified):

- **"application/json"**

Input JSON object properties:

Name	Description	Notes
type	Account type. Valid values: <i>User</i> , <i>Room</i> .	Required
userID	An alphanumeric string to unambiguously identify the account (1 to 32 characters).	Required
extension	A numeric string to unambiguously identify the account (1 to 10 digits). This numeric string is automatically generated if not specified.	Optional
enabled	Specifies if the account is enabled. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
expiryDate	Sets an optional expiration date for the account, with format <i>YYYY-MM-DD +ZZZZ</i> (year-month-day +timezone). If not specified, the account never expires. The default is the null value.	User only, optional
groupName	Name of the group to which the account is added. The specified group must already exist. If not specified, the <i>Default</i> group is chosen.	User only, optional
displayName	Display name for the account. The default is empty (null value).	User only, optional
email	An optional email address associated with the account. The default is empty (null value).	User only, optional
description	A textual description for the account. The default is empty (null value).	User only, optional
password	Alphanumeric password associated with the account (local credentials). The default is no local credentials (password is null).	User only, optional

Name	Description	Notes
pin	A numeric PIN that users must enter to access the room (1 to 10 digits). The default is no PIN required (null value).	Room only, optional
maxParticipants	The maximum number of participants for the room. Default value is 0 (no limits).	Room only, optional

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **201 Created** - The API call succeeded with no errors; the account was created.

NOTE The response HTTP header **Location** contains the URL of the API resource of the account that was created. Header **ID** contains a unique identifier for the account and **extension** contains the account's extension.

- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json;charset=utf-8" -d
  '{"type': 'User', 'userID': 'foo'}" "http://
  admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/accounts"
```

/service/accounts/{userID}

The **/service/accounts/{userID}** resource allows you to retrieve and manage a specific account.

The URL argument **{userID}** is required. The unique ID identifies the account. This argument must be URL-encoded with UTF-8 character encoding.

GET method

The GET method retrieves the account data.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; a JSON Result list of Account objects is returned. Refer to [Result list](#) and [Account](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the account was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/accounts/
foo"
```

POST method

Use the POST method to modify an account.

The input for this method is a JSON object containing only the properties that you want to modify.

Some of the account properties can be left empty. If you want to clear the value of one of these properties you must explicitly set its value to null.

Input payload MIME types (UTF-8 charset is expected if not specified):

- **"application/json"**

Input JSON object properties:

Name	Description	Notes
userID	Modifies the alphanumeric string that identifies the account (1 to 32 characters).	Optional
extension	Modifies the numeric string used to unambiguously identify the account (1 to 10 digits).	Optional
enabled	Enables or disables the account. Valid values: <i>true</i> , <i>false</i>	Optional
expiryDate	Sets or modifies an optional expiration date for the account, with format <i>YYYY-MM-DD +ZZZZ</i> (year-month-day +timezone). You can use an empty string to remove the expiration date meaning that the account never expires.	User only, optional
groupName	Modifies the name of the group with which the account is associated. The specified group must exist.	User only, optional
displayName	Modifies the account's display name.	User only, optional
email	Modifies the optional email address associated with the account. You can use an empty string to remove this optional field.	User only, optional

Name	Description	Notes
description	A textual description for the account.	User only, optional
password	Modifies the alphanumeric password that is associated with the account (local credentials). Set this password to null to remove the local credentials from the account.	User only, optional
pin	Sets or modifies the numeric PIN that users must enter to access the room (1 to 10 digits). You can use an empty string to remove the PIN.	Room only, optional
maxParticipants	Modifies the maximum number of participants for the room. If set to 0 means no limits.	Room only, optional

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the account was modified.

NOTE If parameter **userID** was modified, the response HTTP header **Location** contains the updated URL of the account resource.

- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the account was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json;charset=utf-8" -d
  '{"enabled':false,'description':'This is a test'}" "http://
  admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/accounts/foo"
```

DELETE method

The DELETE method removes the account.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the account was deleted.

- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the account was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/
service/accounts/foo"
```

/service/endpoints

The **/service/endpoints** resource allows you to list and manage endpoints associated with user accounts.

GET method

The GET method retrieves a list of the configured endpoints. 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 endpoints that contain the specified substring in any of their alphanumeric fields.	Optional
userID	Returns only the endpoints associated with the specified userID (exact match).	Optional
dialString	Returns only the endpoints configured to use the specified dial string.	Optional
orderBy	Sorts results by a specified field. Valid fields are: ID , userID , protocol , ip .	Optional
orderDirection	Sorts results direction. Valid values are <i>ASC</i> for ascending, <i>DESC</i> for descending. The default is <i>ASC</i> .	Optional
limitStart	Limits the returned endpoints. Specifies the offset in the result list of the first result to retrieve (integer value).	Optional
limitSize	Limits the returned endpoints. Specifies the maximum number of result to retrieve (integer value). The 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 Result list of Endpoint objects is returned. Refer to [Result list](#), [Endpoint](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

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

POST method

The POST method adds a new endpoint to a user account. The input for this method is a JSON object containing the endpoint properties.

Input payload MIME types (UTF-8 charset is expected if not specified):

- **"application/json"**

Input JSON object properties:

Name	Description	Notes
userID	The ID of the user account to associate with the endpoint.	Required
dialString	The endpoint dial string.	Required

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **201 Created** - The API call succeeded with no errors; the endpoint was created.

NOTE The response HTTP header **Location** contains the URL of the API resource of the endpoint that was created. The header **ID** contains the endpoint identifier.

- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json;charset=utf-8" -d
  '{"userID': 'foo', 'dialString': 'sip:10.0.0.100'}" "http://
admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/endpoints"
```

/service/endpoints/{endpointID}

The `/service/endpoints/{endpointID}` resource allows you to retrieve and manage a specific endpoint.

The URL argument `{endpointID}` is required and is the unique numeric ID that identifies the endpoint.

GET method

The GET method retrieves the endpoint data.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; a JSON Endpoint object is returned. Refer to [Result list](#), [Endpoint](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the endpoint was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/
endpoints/42"
```

POST method

The POST method modifies an endpoint.

The input for this method is a JSON object with only the properties that you want to modify.

Input payload MIME types (UTF-8 charset is expected if not specified):

"application/x-www-form-urlencoded"

"multipart/form-data"

Input JSON object properties:

Name	Description	Notes
userID	Modifies the user account with which the endpoint is associated.	Optional
dialString	Modifies the endpoint dial string.	Optional

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the endpoint was modified.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the contact was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json;charset=utf-8" -d
  '{"dialString':'h323:10.0.0.101'}" "http://
  admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/endpoints/42"
```

DELETE method

The DELETE method removes the endpoint.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the endpoint was deleted.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the endpoint was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/
service/endpoints/42"
```

/service/contacts

The **/service/contacts** resource allows you to list and manage contacts of two different types:

- **Personal** - Contacts associated with a user account; configured from the Control Panel in **SERVICE : Accounts**.
- **Group** - Contacts associated with a group; configured from the Control Panel in **SERVICE : Groups**.

GET method

The GET method retrieves a list of the configured contacts. 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 contacts that contain the specified substring in any of their alphanumeric fields.	Optional
category	Filters by contact type. Valid values: <i>Personal</i> , <i>Group</i>	Optional
userID	Returns only the <i>Personal</i> contacts associated with the specified userID (exact match).	Personal only, optional
groupName	Returns only the <i>Group</i> contacts associated with the specified group name (exact match).	Group only, optional
displayName	Filters by display name (exact match).	Optional
address	Filters by address (exact match).	Optional
description	Filters by contact description (exact match).	Optional
orderBy	Sorts results by a specified field. Valid fields are: ID , category , userID , groupName , displayName , address , description .	Optional
orderDirection	Sorts results direction. Valid values are <i>ASC</i> for ascending, <i>DESC</i> for descending. The default is <i>ASC</i> .	Optional
limitStart	Limits the returned contacts. Specifies the offset in the result list of the first result to retrieve (integer value).	Optional
limitSize	Limits the returned contacts. Specifies the maximum number of result to retrieve (integer value). The 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 Result list of Contact objects is returned. Refer to [Result list, Contact](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

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

POST method

The POST method adds a new contact to a user account or to a group.

The input for this method is a JSON object containing the contact properties.

Input payload MIME types (UTF-8 charset is expected if not specified):

- **"application/json"**

Input JSON object properties:

Name	Description	Notes
category	Contact category. Valid values: <i>Personal, Group</i> .	Required
userID	The ID of the user account to which to associate the contact.	Personal only, required
groupName	Name of the group to which the account is added. The specified group must already exist.	Group only, required
displayName	The display name for the account.	Required
address	The contact address.	Required
description	A textual description for the contact.	Optional

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **201 Created** - The API call succeeded with no errors; the contact was created.

NOTE The response HTTP header **Location** contains the URL of the API resource of the contact that was created. Header **ID** contains the contact's identifier.

- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json;charset=utf-8" -d
  '{"category': 'Personal', 'userID': 'foo', 'displayName': 'Foo', 'address': 'sip
:10.0.0.100'}" "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/
service/contacts"
```

/service/contacts/{contactID}

The `/service/contacts/{contactID}` resource allows you to retrieve and manage a specific contact.

The URL argument `{contactID}` is required and is the unique numeric ID that identifies the contact.

GET method

The GET method retrieves the contact data.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; a JSON Result list of Contact objects is returned. Refer to [Result list](#), [Contact](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the contact was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/contacts/
42"
```

POST method

The POST method modifies a contact.

The input for this method is a JSON object with only the properties that you want to modify.

Input payload MIME types (UTF-8 charset is expected if not specified):

"application/x-www-form-urlencoded"

"multipart/form-data"

Input JSON object properties:

Name	Description	Notes
category	Modifies the contact category. Valid values are <i>Personal</i> , <i>Group</i> . When changing contact category to <i>Personal</i> , you must also specify a valid <code>userID</code> argument. When changing to <i>Group</i> , you must specify a valid groupName argument.	Optional
userID	Modifies the user account with which the <i>Personal</i> contact is associated.	Personal only, optional
groupName	Modifies the name of the group with which the <i>Group</i> contact is associated. The specified group must exist.	Group only, optional
displayName	Modifies the display name for the contact.	Optional
address	Modifies the address of the contact.	Optional
description	Sets or modifies the textual description for the account.	Optional

Output payload MIME types:

- **"application/json; charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the contact was modified.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the contact was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json; charset=utf-8" -d
  '{"displayName': 'Foobar', 'description': 'Test'}" "http://
  admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/contacts/42"
```

DELETE method

The DELETE method removes the contact.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the contact was deleted.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the contact was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/
service/contacts/42"
```

/service/groups

The **/service/groups** resource allows you to list and manage groups. You can also manage groups from the Control Panel in **SERVICE : Groups**.

GET method

The GET method retrieves a list of the configured groups. 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 groups that contain the specified substring in any of their alphanumeric fields.	Optional
name	Returns only the group with the specified name (exact match).	Optional
enabled	Filters by group enabled/disabled. Valid values: <i>true</i> , <i>false</i> .	Optional
globalContactsEnabled	Filters groups by Global option of the Enable contacts property. Valid values: <i>true</i> , <i>false</i> .	Optional
groupContactsEnabled	Filters groups by Group option of the Enable contacts property. Valid values: <i>true</i> , <i>false</i> .	Optional

Name	Description	Notes
codec_g711a	Filters by codec G.711 A-law allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_g711a_default	Filters by codec G.711 A-law enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_g711u	Filters by codec G.711 u-law allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_g711u_default	Filters by codec G.711 u-law enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_g7221c	Filters by codec G.722.1/C allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_g7221c_default	Filters by codec G.722.1/C enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h263	Filters by codec H.263 allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h263_default	Filters by codec H.263 enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h264	Filters by codec H.264 allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h264_default	Filters by codec H.264 enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h224	Filters by codec H.224 allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h224_default	Filters by codec H.224 enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h239	Filters by codec H.239 allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h239_default	Filters by codec H.239 enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
resolution_SQCIF	Filters by resolution SQCIF (128 x 96) allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
resolution_SQCIF_default	Filters by resolution SQCIF (128 x 96) enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
resolution_QCIF	Filters by resolution QCIF (176 x 144) allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
resolution_QCIF_default	Filters by resolution QCIF (176 x 144) enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
resolution_CIF	Filters by resolution CIF (352 x 288) allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
resolution_CIF_default	Filters by resolution CIF (352 x 288) enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional
resolution_4CIF	Filters by resolution 4CIF (704 x 576) allowed. Valid values: <i>true</i> , <i>false</i> .	Optional
resolution_4CIF_default	Filters by resolution 4CIF (704 x 576) enabled by default. Valid values: <i>true</i> , <i>false</i> .	Optional

Name	Description	Notes
resolution_720p	Filters by resolution 720p (1280 x 720) allowed. Valid values: <i>true, false</i> .	Optional
resolution_720p_default	Filters by resolution 720p (1280 x 720) enabled by default. Valid values: <i>true, false</i> .	Optional
resolution_1080p	Filters by resolution 1080p (1920 x 1080) allowed. Valid values: <i>true, false</i> .	Optional
resolution_1080p_default	Filters by resolution 1080p (1920 x 1080) enabled by default. Valid values: <i>true, false</i> .	Optional
maxBitrateDL	Filters by option Max BitRate DL (kbps) (exact match).	Optional
maxBitrateUL	Filters by option Max BitRate UL (kbps) (exact match).	Optional
rtpPortRangeLow	Filters by option RTP Port Range (LOW) (exact match).	Optional
rtpPortRangeHigh	Filters by option RTP Port Range (HIGH) (exact match).	Optional
imEnabled	Filters by Instant messaging allowed. Valid values: <i>true, false</i> .	Optional
callRecordingEnabled	Filters by Call recording allowed . Valid values: <i>true, false</i> .	Optional
orderBy	Sorts results by a specified field. Valid fields are: <ul style="list-style-type: none"> • name • enabled • globalContactsEnabled • groupContactsEnabled • codec_g711a • codec_g711u • codec_g7221c • codec_h263 • codec_h264 • codec_h224 • codec_h239 • resolution_SQCIF • resolution_QCIF • resolution_CIF • resolution_4CIF • resolution_720p • resolution_1080p • maxBitrateDL • maxBitrateUL • rtpPortRangeLow • rtpPortRangeHigh 	Optional
orderDirection	Sorts results direction. Valid values are <i>ASC</i> for ascending, <i>DESC</i> for descending. The default is <i>ASC</i> .	Optional

Name	Description	Notes
limitStart	Limits the returned groups. Specifies the offset in the result list of the first result to retrieve (integer value).	Optional
limitSize	Limits the returned groups. Specifies the maximum number of result to retrieve (integer value). The 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 Result list of Group objects is returned. Refer to [Result list](#), [Group](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

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

POST method

The POST method creates a new group.

The input for this method is a JSON object containing the group properties. This JSON object must have the required properties and may contain a subset of the optional properties. If you do not specify a value for an optional property, the default value is used.

Input payload MIME type (UTF-8 charset is expected if not specified):

- **"application/json"**

HTTP form arguments:

Name	Description	Notes
name	An alphanumeric string to unambiguously identify the group (1 to 32 characters).	Required
enabled	Specifies if the group is enabled. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
globalContactsEnabled	Sets the All accounts from server option of the Contacts tab. Valid values: <i>true</i> , <i>false</i> .	Optional
groupContactsEnabled	DEPRECATED - use visibleUserGroups instead	Optional

Name	Description	Notes
visibleUserGroups	Sets the selected groups and the All accounts from selected groups option of the Contacts tab. Valid values are json array, while valid json array element values are a string representing the name of an existing user group.	Optional
removeTestCallFromContacts	When set to <i>true</i> , allows you to provision user accounts in this group without the ClearSea Test Call Contact . Valid values are <i>true</i> and <i>false</i> (the default). NOTE: When registered to a LifeSize ClearSea Server, all users can dial testcall to ensure that LifeSize ClearSea Client is configured correctly.	Optional
globalSearchEnabled	Sets the All accounts from server option of the Search tab. Valid values: <i>true</i> , <i>false</i> .	Optional
searchableUserGroups	Sets the selected groups and the All accounts from selected groups option of the Search tab. Valid values are json array while valid json array element values are a string representing the name of an existing user group.	Optional
codec_g711a	Sets the G.711 A-law allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_g711a_default	Sets the G.711 A-law enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_g711u	Sets the G.711 u-law allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_g711u_default	Sets the G.711 u-law enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_g7221c	Sets the G.722.1/C allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_g7221c_default	Sets the G.722.1/C enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_h263	Sets the H.263 allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_h263_default	Sets the H.263 enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_h264	Sets the H.264 allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_h264_default	Sets the H.264 enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_h224	Sets the H.224 allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_h224_default	Sets the H.224 enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
codec_h239	Sets the H.239 allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional

Name	Description	Notes
codec_h239_default	Sets the H.239 enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_SQCIF	Sets the SQCIF (128 x 96) allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_SQCIF_default	Sets the SQCIF (128 x 96) enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_QCIF	Sets the QCIF (176 x 144) allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
Resolution_QCIF_default	Sets the QCIF (176 x 144) enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_CIF	Sets the CIF (352 x 288) allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_CIF_default	Sets the CIF (352 x 288) enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_4CIF	Sets the 4CIF (704 x 576) allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_4CIF_default	Sets the 4CIF (704 x 576) enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_720p	Sets the 720p (1280 x 720) allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_720p_default	Sets the 720p (1280 x 720) enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
resolution_1080p	Sets the 1080p (1920 x 1080) allowed option. Valid values are <i>true</i> , <i>false</i> . The default is <i>false</i> .	Optional
resolution_1080p_default	Sets the 1080p (1920 x 1080) enabled by default option. Valid values are <i>true</i> , <i>false</i> . The default is <i>false</i> .	Optional
maxBitrateDL	Sets the Max BitRate DL (kbps) option. This must be an integer value. The minimum value is 64 and the maximum value depends on the license.	Optional
maxBitrateUL	Sets the Max BitRate UL (kbps) option. This must be an integer value. The minimum value is 64 and the maximum value depends on the license.	Optional
rtpPortRangeLow	Sets the RTP Port Range (LOW) option. This value must be lower than the RTP Port Range (HIGH) setting and the difference between these two values must be at least 10.	Optional
rtpPortRangeHigh	Sets the RTP Port Range (HIGH) option. This value must be higher than the RTP Port Range (LOW) setting and the difference between these two values must be at least 10.	Optional
mediaEncryptionDefault	Modifies the media encryption default setting: DISABLED, ENABLED, or REQUIRED.	Optional
allowUsersToChangeMedia Encryption	Modifies the setting that allows group users to change the default media encryption setting.	Optional

Name	Description	Notes
desktopBannerBackgroundColor	Modifies the desktop banner background color. Valid values are HTML color codes in hexadecimal notation. Example: #FF0000.	Optional
desktopBannerAlignment	Modifies the desktop banner alignment setting. Valid values must be any of the following strings: <i>left</i> , <i>center</i> or <i>right</i> .	Optional
desktopBannerLink	Modifies the desktop banner link. Valid values are proper HTTP URLs. Example: http://www.lifesize.com	Optional
mobileBannerBackgroundColor	Modifies the mobile banner background color. Valid values are HTML color codes in hexadecimal notation. Example: #FF0000.	Optional
mobileBannerAlignment	Modifies the mobile banner alignment setting. Valid values must be any of the following strings: <i>left</i> , <i>center</i> or <i>right</i> .	Optional
mobileBannerLink	Modifies the mobile banner link. Valid values are proper HTTP URLs. Example: http://www.lifesize.com	Optional
client70BannerURL	Modifies the banner URL for older 7.0.x LifeSize ClearSea desktop clients. Valid values are proper HTTP URLs. Example: http://www.lifesize.com/logo.png	Optional
imEnabled	Specifies if the instant messaging feature is enabled. Valid values are <i>true</i> (the default), <i>false</i> .	Optional
callRecordingEnabled	Specifies if the call recording feature is enabled. Valid values are <i>true</i> (the default), <i>false</i> .	Optional

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **201 Created** - The API call succeeded with no errors; the group was created.

NOTE The response HTTP header **Location** contains the URL of the API resource of the group that was created.

- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json;charset=utf-8" -d '{"name':'foobar'}"
"http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/groups"
```

/service/groups/{name}

The `/service/groups/{name}` resource allows you to retrieve and manage a specific group.

The URL argument `{name}` is required. The name identifies the group. This argument must be URL encoded with UTF-8 character encoding.

NOTE Any space character in the `{name}` argument must be URL encoded to `%20` strings. In this case, spaces cannot be encoded to `+` characters because this argument is part of a URI (as stated in RFC 2396).

GET method

The GET method retrieves the group data.

Output payload MIME types:

- **"application/json; charset=utf-8"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; a JSON Group objects is returned. Refer to [Result list, Group](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the group was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/groups/  
bar"
```

POST method

The POST method modifies a group's configuration.

The input for this method is a JSON object with only the properties that you want to modify. All properties that are not present in the input object are not modified.

Input payload MIME type (UTF-8 charset is expected if not specified):

- **"application/json"**

Input JSON object properties:

Name	Description	Notes
name	Modifies the group name (1 to 32 characters).	Optional
enabled	Enables or disables the group. Valid values: <i>true</i> , <i>false</i>	Optional
globalContactsEnabled	Modifies the All accounts from server option of the Contacts tab. Valid values: <i>true</i> , <i>false</i>	Optional
groupContactsEnabled	DEPRECATED - use visibleUserGroups instead	Optional
visibleUserGroups	Modifies the selected groups and the All accounts from selected groups option of the Contacts tab. Valid values are json array while valid json array element values are a string representing the name of an existing user group.	Optional
removeTestCallFromContacts	When set to <i>true</i> , allows you to provision user accounts in this group without the ClearSea Test Call Contact . Valid values are <i>true</i> and <i>false</i> (the default). NOTE: When registered to a LifeSize ClearSea Server, all users can dial testcall to ensure that LifeSize ClearSea Client is configured correctly.	Optional
globalSearchEnabled	Modifies the All accounts from server option of the Search tab. Valid values: <i>true</i> , <i>false</i>	Optional
searchableUserGroups	Modifies the selected groups and the All accounts from selected groups option of the Search tab. Valid values are json array while valid json array element values are a string representing the name of an existing user group.	Optional
codec_g711a	Modifies the G.711 A-law allowed option. Valid values: <i>true</i> , <i>false</i>	Optional
codec_g711a_default	Modifies the G.711 A-law enabled by default option. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_g711u	Modifies the G.711 u-law allowed option. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_g711u_default	Modifies the G.711 u-law enabled by default option. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_g7221c	Modifies the G.722.1/C allowed option. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_g7221c_default	Modifies the G.722.1/C enabled by default option. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h263	Modifies the H.263 allowed option. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h263_default	Modifies the H.263 enabled by default option. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h264	Modifies the H.264 allowed option. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h264_default	Modifies the H.264 enabled by default option. Valid values: <i>true</i> , <i>false</i> .	Optional
codec_h224	Modifies the H.224 allowed option. Valid values: <i>true</i> , <i>false</i> .	Optional

Name	Description	Notes
codec_h224_default	Modifies the H.224 enabled by default option. Valid values: <i>true, false</i> .	Optional
codec_h239	Modifies the H.239 allowed option. Valid values: <i>true, false</i> .	Optional
codec_h239_default	Modifies the H.239 enabled by default option. Valid values: <i>true, false</i> .	Optional
resolution_SQCIF	Modifies the SQCIF (128 x 96) allowed option. Valid values: <i>true, false</i> .	Optional
resolution_SQCIF_default	Modifies the SQCIF (128 x 96) enabled by default option. Valid values: <i>true, false</i> .	Optional
resolution_QCIF	Modifies the QCIF (176 x 144) allowed option. Valid values: <i>true, false</i> .	Optional
resolution_QCIF_default	Modifies the QCIF (176 x 144) enabled by default option. Valid values: <i>true, false</i> .	Optional
resolution_CIF	Modifies the CIF (352 x 288) allowed option. Valid values: <i>true, false</i> .	Optional
resolution_CIF_default	Modifies the CIF (352 x 288) enabled by default option. Valid values: <i>true, false</i> .	Optional
resolution_4CIF	Modifies the 4CIF (704 x 576) allowed option. Valid values: <i>true, false</i> .	Optional
resolution_4CIF_default	Modifies the 4CIF (704 x 576) enabled by default option. Valid values: <i>true, false</i> .	Optional
resolution_720p	Modifies the 720p (1280 x 720) allowed option. Valid values: <i>true, false</i> .	Optional
resolution_720p_default	Modifies the 720p (1280 x 720) enabled by default option. Valid values: <i>true, false</i> .	Optional
resolution_1080p	Modifies the 1080p (1920 x 1080) allowed option. Valid values: <i>true, false</i> .	Optional
resolution_1080p_default	Modifies the 1080p (1920 x 1080) enabled by default option. Valid values: <i>true, false</i> .	Optional
maxBitrateDL	Modifies the Max BitRate DL (kbps) option. This must be an integer value. The minimum value is 64 and the maximum value depends on the license.	Optional
maxBitrateUL	Modifies the Max BitRate UL (kbps) option. This must be an integer value. The minimum value is 64 and the maximum value depends on the license.	Optional
rtpPortRangeLow	Modifies the RTP Port Range (LOW) option. This value must be lower than the RTP Port Range (HIGH) setting and the difference between these two values must be at least 10.	Optional
rtpPortRangeHigh	Modifies the RTP Port Range (HIGH) option. This value must be higher than the RTP Port Range (LOW) setting and the difference between these two values must be at least 10.	Optional

Name	Description	Notes
mediaEncryptionDefault	Modifies the media encryption default setting: DISABLED, ENABLED, or REQUIRED.	Optional
allowUsersToChangeMedia Encryption	Modifies the setting that allows group users to change the default media encryption setting.	Optional
desktopBannerBackgroundColor	Modifies the desktop banner background color. Valid values are HTML color codes in hexadecimal notation. Example: #FF0000	Optional
desktopBannerAlignment	Modifies the desktop banner alignment setting. Valid values must be any of the following strings: <i>left</i> , <i>center</i> or <i>right</i> .	Optional
desktopBannerLink	Modifies the desktop banner link. Valid values are proper HTTP URLs. Example: http://www.lifesize.com	Optional
mobileBannerBackgroundColor	Modifies the mobile banner background color. Valid values are HTML color codes in hexadecimal notation. Example: #FF0000	Optional
mobileBannerAlignment	Modifies the mobile banner alignment setting. Valid values must be any of the following strings: <i>left</i> , <i>center</i> or <i>right</i> .	Optional
mobileBannerLink	Modifies the mobile banner link. Valid values are proper HTTP URLs. Example: http://www.lifesize.com	Optional
client70BannerURL	Modifies the banner URL for older 7.0.x ClearSea desktop clients. Valid values are proper HTTP URLs. Example: http://www.lifesize.com/logo.png	Optional
imEnabled	Specifies if the instant messaging feature is enabled. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
callRecordingEnabled	Specifies if the call recording feature is enabled. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
localSignalingPort	Sets the local signaling port for older 7.0.x ClearSea desktop clients. This parameter must be an integer positive number.	Optional
allowedWhitelabel	Sets the allowed whitelabel branding. Valid values from installed whitelabel packages or <i>ANY</i> .	Optional
codecsPanelEnabled	Specifies if the codecs configuration panel is available in LifeSize ClearSea Client. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
networkPanelEnabled	Specifies if the network configuration panel is available in LifeSize ClearSea Client. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
pseVamIntegrationEnabled	Specifies if the PSE.VAM integration feature is enabled on older 7.0.x ClearSea desktop clients. Valid values are <i>true</i> , <i>false</i> . The default is <i>true</i> .	Optional
pseVamE164	Sets the PSE.VAM alias parameter for older 7.0.x ClearSea desktop clients.	Optional
pseVamURL	Sets the PSE.VAM URL parameter for older 7.0.x ClearSea desktop clients.	Optional
helpButtonURL	Sets the Help Button link in LifeSize ClearSea Client.	Optional

Name	Description	Notes
operatorButtonURI	Sets the Operator Button link in LifeSize ClearSea Client.	Optional
customButton1URL	Sets the Custom Button #1 link in LifeSize ClearSea Client.	Optional
customButton2URL	Sets the Custom Button #2 link in LifeSize ClearSea Client.	Optional
customButton3URL	Sets the Custom Button #3 link in LifeSize ClearSea Client.	Optional
customProvisioningFields	Sets custom provisioning fields.	Optional

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the group configuration was modified.

NOTE If parameter **name** was modified, the response HTTP header **Location** contains the updated URL of the group resource.

- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the group was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json;charset=utf-8" -d
  '{"codec_g711u':false}" "http://admin:password@SERVER_ADDRESS:8800/api/
  v2/rest/service/groups/foobar"
```

DELETE method

The DELETE method removes the group.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the group was deleted.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.

- **404 Not Found** - The API call failed because the group was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/groups/bar"
```

/service/groups/{name}/logo

DEPRECATED - use [/service/groups/{name}/desktopBanner](#) instead.

/service/groups/{name}/desktopBanner

The [/service/groups/{name}/desktopBanner](#) resource allows you to retrieve, update, and delete the banner image provisioned to desktop LifeSize ClearSea Clients.

The URL argument **{name}** is required and identifies the group.

GET method

The GET method retrieves the desktop banner image.

Output payload MIME types:

- **"image/png"**
- **"image/jpeg"**
- **"image/bmp"**
- **"image/gif"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; the desktop banner image is returned. Refer to [Result list, Group](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the group was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/groups/bar/desktopBanner"
```

PUT method

The PUT method uploads a new desktop banner image for the group or replaces the existing banner image.

Input payload MIME types:

- **"multipart/form-data"**

HTTP form arguments:

Name	Description	Notes
banner	The image file for the desktop banner. Set the Content-Type header of the file to ensure that the image appears correctly.	Optional

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the desktop banner image was updated.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the group was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X PUT -F "banner=@desktopBanner.png;type=image/png" "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/groups/bar/desktopBanner"
```

DELETE method

The DELETE method removes the desktop banner image.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the desktop banner image was deleted.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the group was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/groups/bar/desktopBanner"
```

/service/groups/{name}/mobileBanner

The **/service/groups/{name}/mobileBanner** resource allows you to retrieve, update, and delete the banner image provisioned to mobile LifeSize ClearSea Clients.

The URL argument **{name}** is required and identifies the group.

GET method

The GET method retrieves the mobile banner image.

Output payload MIME types:

- **"image/png"**
- **"image/jpeg"**
- **"image/bmp"**
- **"image/gif"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; the mobile banner image is returned. Refer to [Result list, Group](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the group was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/groups/bar/mobileBanner"
```

PUT method

The PUT method uploads a new mobile banner image for the group or replaces the existing mobile banner image.

Input payload MIME types:

- **"multipart/form-data"**

HTTP form arguments:

Name	Description	Notes
banner	The image file for the mobile banner. Set the Content-Type header of the file to ensure that the image appears correctly.	Optional

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the desktop banner image was updated.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the group was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X PUT -F "banner=@desktopBanner.png;type=image/png" "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/groups/bar/mobileBanner"
```

DELETE method

The DELETE method removes the desktop banner image.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the desktop banner image was deleted.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the group was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/
service/groups/bar/mobileBanner"
```

/service/callHistory

The **/service/callHistory** resource allows you to list and manage the history of calls associated with a user account.

GET method

The GET method retrieves a list of the call history entries. 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 call history entries that contain the specified substring in any of their alphanumeric fields.	Optional
userID	Returns only the call history entries associated with the specified userID (exact match).	Optional
type	Returns only the call history entries of the specified type: <ul style="list-style-type: none"> • <i>Incoming</i> for calls received by the user • <i>Outgoing</i> for calls placed by the user • <i>Missed</i> for calls directed to the user but not answered 	Optional
startDate	Filters by date and time when the call was placed (exact match). Format is YYYY-MM-DD hh:mm:ss +ZZZZ (year-month-day hours:minutes:seconds +timezone).	Optional
endDate	Filters by date and time when the call was terminated (exact match). Format is YYYY-MM-DD hh:mm:ss +ZZZZ (year-month-day hours:minutes:seconds +timezone).	Optional
duration	Filters by call duration (in seconds).	Optional

Name	Description	Notes
remoteParty	Filters by address of the remote party (exact match). Remote party is the caller address if type is <i>Incoming</i> or <i>Missed</i> , or the called address if type is <i>Outgoing</i> .	Optional
orderBy	Sorts results by a specified field. Valid fields are: ID , userID , type , startDate , endDate , duration , remoteParty .	Optional
orderDirection	Sorts results direction. Valid values are <i>ASC</i> for ascending, <i>DESC</i> for descending. The default is <i>ASC</i> .	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 number of returned entries. Specifies the maximum number of result to retrieve (integer value). The 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 Result list of CallHistory objects is returned. Refer to [Result list](#), [CallHistory](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

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

POST method

The POST method adds a new call history entry. The input for this method is a JSON object containing the entry properties.

Input payload MIME types (UTF-8 charset is expected if not specified):

- **"application/json"**

Input JSON object properties:

Name	Description	Notes
userID	The user ID of the user account with which the call history entry is associated.	Required
type	The call history entry type (<i>Incoming</i> , <i>Outgoing</i> or <i>Missed</i>).	Required

Name	Description	Notes
startDate	The date and time when the call was placed. Format is YYYY-MM-DD hh:mm:ss +ZZZZ (year-month-day hours:minutes:seconds +timezone).	Required
endDate	The date and time when the call was terminated. Format is YYYY-MM-DD hh:mm:ss +ZZZZ (year-month-day hours:minutes:seconds +timezone).	Required
duration	Call duration in seconds. This parameter is computed from startDate and endDate if not specified.	Optional
remoteParty	The address of the remote party. The remote party is the caller address when type is <i>Incoming</i> or <i>Missed</i> , otherwise the remote party is the called address.	Required

Output payload MIME types:

- **"application/json; charset=utf-8"**

Output HTTP status codes:

- **201 Created** - The API call succeeded with no errors; the call history entry was created.

NOTE The response HTTP header **Location** contains the URL of the API resource of the entry that was created. Header **ID** contains its identifier.

- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json; charset=utf-8" -d
  '{"userID': 'foo', 'type': 'Outgoing', 'startDate': '2012-01-01 11:10:21',
  'endDate': '2012-01-01 11:15:21', 'remoteParty': '10.0.117.2'}" "http://
  admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/callHistory"
```

/service/callHistory/{callHistoryID}

The `/service/callHistory/{callHistoryID}` resource allows you to retrieve and manage a specific call history entry.

The URL argument `{callHistoryID}` is required and is the unique numeric ID that identifies the call history entry.

GET method

The GET method retrieves the call history entry data.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; a JSON CallHistory object is returned. Refer to [Result list](#), [CallHistory](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the call history entry was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/
callHistory/42"
```

POST method

The POST method modifies a call history entry.

The input for this method is a JSON object with only the properties that you want to modify.

Input payload MIME types (UTF-8 charset is expected if not specified):

- **"application/x-www-form-urlencoded"**
- **"multipart/form-data"**

Input JSON object properties:

Name	Description	Notes
userID	Modifies the user account with which the entry is associated.	Optional
type	Modifies the call history entry type. Valid values: <i>Incoming</i> , <i>Outgoing</i> , <i>Missed</i> .	Optional
startDate	Modifies the date/time when the call was placed.	Optional
endDate	Modifies the date/time when the call was terminated.	Optional
duration	Modifies the call duration in seconds.	Optional
remoteParty	Modifies the remote party address.	Optional

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the contact was modified.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the contact was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -H "Content-Type: application/json;charset=utf-8" -d '{"endDate':'2012-01-02 15:30:32','duration':1000}" "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/callHistory/42"
```

DELETE method

The DELETE method removes the call history entry.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the entry was deleted.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the entry was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/service/callHistory/42"
```

/service/logFiles

The **/service/logFiles** resource allows you to list and manage logFiles. In this section, logFile refers to any log or CDR file available from the Control Panel in **LOGS and CDRs**.

GET method

The GET method retrieves a list of the available logFiles. 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 logFiles that contain the specified substring in any of their fields.	Optional
name	Filters by filename (exact match).	Optional
type	Filters by type (case insensitive). Valid values: <i>CDR</i> , <i>TRANSACTIONS</i> , <i>CALLTRACE</i>	Optional
date	Filters by date (exact match). Date format is YYYY-MM-DD +ZZZZ (year-month-day +timezone).	Optional
size	Filters by file size in bytes (exact match).	Optional
orderBy	Sorts results by a specified field. Valid fields are: name , type , date , size .	Optional
orderDirection	Sorts results direction. Valid values are <i>ASC</i> for ascending, <i>DESC</i> for descending. The default is <i>ASC</i> .	Optional
limitStart	Limits the returned contacts. Specifies the offset in the result list of the first result to retrieve (integer value).	Optional
limitSize	Limits the returned contacts. Specifies the maximum number of result to retrieve (integer value). The 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 Result list of LogFile objects is returned. Refer to [Result list](#), [LogFile](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

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

/service/logFiles/{name}

The `/service/logFiles/{name}` resource allows you to retrieve and manage a specific logFile.

The required URL argument **{name}** is the filename.

GET method

The GET method retrieves the logFile data.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; a JSON LogFile object is returned. Refer to [Result list](#), [LogFile](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the logFile was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/logFiles/  
Transactions.20120130.log"
```

DELETE method

The DELETE method deletes the logFile.

If the file is currently being used it may not be possible to delete it, in this case the file contents are cleared.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **204 No Content** - The API call succeeded with no errors; the logFile was deleted.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the **logFile** was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v -X DELETE "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/logFiles/Transactions.20120130.log"
```

/service/logFiles/{name}/contents

The **/service/logFiles/{name}/contents** resource allows you to retrieve the contents of a logFile.

The required URL argument {name} is the filename.

GET method

The GET method retrieves the logFile contents.

Output payload MIME types:

- **"text/plain;charset=iso-8859-1"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; the logFile contents are returned.
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **404 Not Found** - The API call failed because the logFile was not found; a JSON error is returned. Refer to [Error](#).
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

```
curl -v "http://admin:password@SERVER_ADDRESS:8800/api/v2/rest/logFiles/Transactions.20120130.log/contents"
```

/status

The **/status** resource allows you to retrieve the current system status.

GET method

The GET method retrieves the system status data.

Output payload MIME types:

- **"application/json;charset=utf-8"**

Output HTTP status codes:

- **200 OK** - The API call succeeded with no errors; a JSON Status objects is returned. Refer to [Result list, Status](#).
- **400 Bad Request** - The API call failed because of an error in the input arguments; a JSON error is returned. Refer to [Error](#).
- **401 Unauthorized** - Authentication failed.
- **500 Internal Server Error** - An internal error occurred while processing the API call; an error is returned. Refer to [Error](#).

CURL example:

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

JSON data

This section describes the format used for LifeSize ClearSea API data output. All data structures are in JSON format.

Optional parameters that do not have a defined value are included in the JSON object with a null value.

Result list

Use the **Result list** JSON data type whenever an API call must return more than one result. Each result can be any kind of JSON data.

JSON example:

```
{
  "resultsCount" : ...,
  "totalResultsCount" : ...,
  "results" : [ { ... }, { ... }, ... ]
}
```

JSON fields description:

Name	Description
resultsCount	The number of results that are returned.
totalResultsCount	The total number of results. This can be higher than resultsCount when arguments limitStart or limitSize are specified in the API call.
Results	The results of the API call, returned as an array of JSON data objects.

Account

Use the **Account** JSON data type to represent a user account.

NOTE For security reasons account passwords are not included in this data type.

JSON example:

```
{
  "ID" : ...,
  "url" : "...",
  "type" : "...",
  "userID" : "...",
  "extension" : "...",
  "enabled" : true,
  "expiryDate" : "...",
  "groupName" : "...",
  "displayName" : "...",
  "email" : "...",
  "description" : "...",
}
```

```

"hasLocalCredentials" : true,
"pin" : "...",
"maxParticipants" : ...,
"lastLoginDate" : "...",
"lastCallDate" : "...",
"logins" : ...,
"outboundCalls" : ...,
"incomingCalls" : ...
}

```

JSON fields description:

Name	Description
ID	A unique, read-only numeric identifier for the account.
url	The URL that identifies the account resource. Use this field to edit or delete the account. Refer to /service/accounts/{userID} .
type	<i>User</i> for user accounts or <i>Room</i> for conference rooms.
userID	A unique alphanumeric identifier for the account. This is not read-only as it must be changed through the Control Panel or the API.
extension	A unique numeric identifier for the account.
enabled	Specifies if the account is enabled or disabled.
expiryDate	<i>Optional</i> : A date specifying when this account will expire. Date format is YYYY-MM-DD +ZZZZ (year-month-day +timezone). If not present the account does not expire.
groupName	<i>User only</i> : Name of the group with which the account is associated.
displayName	<i>User only, optional</i> : Name to be shown for this account.
email	<i>Optional</i> : An email address associated with the account.
description	<i>Optional</i> : A textual description for the account.
hasLocalCredentials	Specifies if local credentials have been associated with the account.
pin	<i>Room only, optional</i> : Numeric string required to access the room.
maxParticipants	<i>Room only</i> : Maximum number of participants for the room. A value of 0 means no limit.
lastLoginDate	<i>User only</i> : Date and time of the last login. Format is YYYY-MM-DD hh:mm:ss +ZZZZ (year-month-day hours:minutes:seconds +timezone).
lastCallDate	<i>User only</i> : Format is YYYY-MM-DD hh:mm:ss +ZZZZ (year-month-day hours:minutes:seconds +timezone).
logins	<i>User only</i> : Total number of logins performed by the user.
outboundCalls	<i>User only</i> : Total number of calls placed by the user.
incomingCalls	<i>User only</i> : Total number of calls received by the user.

Endpoint

Use the **Endpoint** JSON data type to represent a SIP or H.323 video system associated with a user account.

JSON example:

```
{
  "ID" : ...,
  "url" : "...",
  "userID" : "...",
  "dialString" : "..."}

```

JSON fields description:

Name	Description
ID	An integer number that identifies the endpoint resource.
url	The URL that identifies the endpoint resource. Use this field to edit or delete the endpoint. Refer to /service/endpoints/{endpointID} .
userID	The userID of the account with which the endpoint is associated.
dialString	The dial string to call the far end. If the protocol is not specified, LifeSize ClearSea calls the endpoint through an H.323 call; or through a SIP call if the H.323 call fails. Examples: <i>sip:user@domain</i> , <i>h323:10.0.2.10</i> , <i>10.0.2.10</i>

Contact

Use the **Contact** JSON data type to represent a contact of one of these categories:

- **Personal** - Contact associated with a user account.
- **Group** - Contact associated with a group.

JSON example:

```
{
  "ID" : ...,
  "url" : "...",
  "category" : "...",
  "userID" : "...",
  "groupName" : "...",
  "displayName" : "...",
  "address" : "...",
  "description" : "..."}

```

JSON fields description:

Name	Description
ID	An integer number that identifies the contact.
url	The URL that identifies the contact resource. Use this field to edit or delete the contact. Refer to /service/contacts/{contactID} .
category	The contact category. Possible values are <i>Personal</i> , <i>Group</i> .
userID	<i>Personal only</i> : The userID of the account with which the contact is associated.
groupName	<i>Group only</i> : The name of the group with which the contact is associated.
displayName	The display name for the contact.
address	The contact address.
description	<i>Optional</i> : A textual description of the contact.

Error

Use the **Error** JSON data type to return additional information about an API call error.

JSON example:

```
{
  "errorMessage" : "..."}
}
```

JSON fields description:

Name	Description
errorMessage	A textual description of the error.

Group

Use the **Group** JSON data type to represent a group's configuration.

JSON example:

```
{
  "name" : "...",
  "url" : "...",
  "logoUrl" : "...",
  "enabled" : true,
  "allowedWhitelabel" : "...",
  "imEnabled" : true,
  "callRecordingEnabled" : true,
  "codecPanelEnabled" : true,
  "networkPanelEnabled" : true,
  "globalContactsEnabled" : false,
  "groupContactsEnabled" : false,
  "visibleUserGroups" : [ "..."],
  "removeTestCallFromContacts" : false,
```

```

"globalSearchEnabled" : false,
"searchableUSERGroups" : [ "..." ],
"codec_g711a" : true,
"codec_g711a_default" : true,
"codec_g711u" : true,
"codec_g711u_default" : true,
"codec_g7221c" : true,
"codec_g7221c_default" : true,
"codec_h263" : true,
"codec_h263_default" : true,
"codec_h264" : true,
"codec_h264_default" : true,
"codec_h224" : true,
"codec_h224_default" : true,
"codec_h239" : true,
"codec_h239_default" : true,
"resolution_SQCIF" : true,
"resolution_SQCIF_default" : true,
"resolution_QCIF" : true,
"resolution_QCIF_default" : true,
"resolution_CIF" : true,
"resolution_CIF_default" : true,
"resolution_4CIF" : true,
"resolution_4CIF_default" : true,
"resolution_720p" : true,
"resolution_720p_default" : true,
"resolution_1080p" : false,
"resolution_1080p_default" : false,
"maxBitrateDL" : ...,
"maxBitrateUL" : ...,
"rtpportRangeLow" : ...,
"rtpportRangeHigh" : ...,
"localSignalingPort" : ...,
"mediaEncryptionDefault" : "ENABLED",
"allowUsersToChangeMediaEncryption" : false,
"desktopBannerUrl" : ...,
"desktopBannerBackgroundColor" : "#FFFFFF",
"desktopBannerAlignment" : "center",
"desktopBannerLink" : "http://www.lifesize.com",
"mobileBannerUrl" : ...,
"mobileBannerBackgroundColor" : "#000000",
"mobileBannerAlignment" : "right",
"mobileBannerLink" : "http://www.lifesize.com/mobile",
"client70BannerURL" : "http://www.lifesize.com/logo.jpg",
"pseVamIntegrationEnabled" : false,
"pseVamE164" : "...",
"pseVamURL" : "...",
"helpButtonURL" : "...",
"operatorButtonURL" : "...",
"customButton1URL" : "...",
"customButton2URL" : "...",
"customButton3URL" : "...",
"customProvisioningFields" : "..."
}

```

JSON fields description:

Name	Description
name	An alphanumeric string that identifies the group.
url	The URL that identifies the group resource. Use this field to edit or delete the group. Refer to /service/groups/{name} .

Name	Description
logoUrl	DEPRECATED - use desktopBannerUrl instead. The URL that identifies the group logo resource. Use this field to edit or delete the group logo. Refer to /service/groups/{name}/logo .
enabled	A Boolean value that specifies if the group is enabled.
allowedWhitelabel	A string value for the allowed whitelabel.
imEnabled	A Boolean value specifying if the instant messaging feature is allowed.
callRecordingEnabled	A Boolean value specifying if the call recording feature is allowed.
codecsPanelEnabled	A Boolean value specifying if the codecs configuration panel feature is allowed in the LifeSize ClearSea Client.
networkPanelEnabled	A Boolean value specifying if the network configuration panel feature is allowed in the LifeSize ClearSea Client.
globalContactsEnabled	A Boolean value that represents the <i>All accounts from server</i> option of the Contacts tab.
groupContactsEnabled	DEPRECATED - use visibleUserGroups instead.
visibleUserGroups	A string array value that represents the <i>All accounts from selected groups</i> option of the Contacts tab. Each element of the array is the name of a user group.
globalSearchEnabled	A Boolean value that represents the <i>All accounts from server</i> option of the Search tab.
searchableUserGroups	A string array value that represents the <i>All accounts from selected groups</i> option of the Search tab. Each element of the array is the name of a user group.
codec_g711a	A Boolean value specifying if the G.711 A-law codec is allowed.
codec_g711a_default	A Boolean value specifying if the G.711 A-law codec is enabled by default.
codec_g711u	A Boolean value specifying if the G.711 u-law codec is allowed.
codec_g711u_default	A Boolean value specifying if the G.711 u-law codec is enabled by default.
codec_g7221c	A Boolean value specifying if the G.722.1/C codec is allowed.
codec_g7221c_default	A Boolean value specifying if the G.722.1/C codec is enabled by default.
codec_h263	A Boolean value specifying if the H.263 codec is allowed.
codec_h263_default	A Boolean value specifying if the H.263 codec is enabled by default.
codec_h264	A Boolean value specifying if the H.264 codec is allowed.
codec_h264_default	A Boolean value specifying if the H.264 codec is enabled by default.
codec_h224	A Boolean value specifying if the H.224 codec is allowed.
codec_h224_default	A Boolean value specifying if the H.224 codec is enabled by default.
codec_h239	A Boolean value specifying if the H.239 codec is allowed.
codec_h239_default	A Boolean value specifying if the H.239 codec is enabled by default.
resolution_SQCIF	A Boolean value specifying if SQCIF (128 x 96) resolution is allowed.

Name	Description
resolution_SQCIF_default	A Boolean value specifying if SQCIF (128 x 96) resolution is enabled by default.
resolution_QCIF	A Boolean value specifying if QCIF (176 x 144) resolution is allowed.
resolution_QCIF_default	A Boolean value specifying if QCIF (176 x 144) resolution is enabled by default.
resolution_CIF	A Boolean value specifying if CIF (352 x 288) resolution is allowed.
resolution_CIF_default	A Boolean value specifying if CIF (352 x 288) resolution is enabled by default.
resolution_4CIF	A Boolean value specifying if 4CIF (704 x 576) resolution is allowed.
resolution_4CIF_default	A Boolean value specifying if 4CIF (704 x 576) resolution is enabled by default.
resolution_720p	A Boolean value specifying if 720p (1280 x 720) resolution is allowed.
resolution_720p_default	A Boolean value specifying if 720p (1280 x 720) resolution is enabled by default.
resolution_1080p	A Boolean value specifying if 1080p (1920 x 1080) resolution is allowed.
resolution_1080p_default	A Boolean value specifying if 1080p (1920 x 1080) resolution is enabled by default.
maxBitrateDL	An integer value for the Max BitRate DL (kbps) setting.
maxBitrateUL	An integer value for the Max BitRate UL (kbps) setting.
rtpPortRangeLow	An integer value for the RTP Port Range (LOW) setting.
rtpPortRangeHigh	An integer value for the RTP Port Range (HIGH) setting.
localSignalingPort	An integer value for the Local Signaling Port setting, valid only for older 7.0.x ClearSea desktop clients.
mediaEncryptionDefault	A string value for the media encryption default setting: DISABLED, ENABLED or REQUIRED.
allowUsersToChange MediaEncryption	A Boolean value for the setting that allows group users to change the default media encryption setting.
desktopBannerUrl	The URL that identifies the desktop banner image resource. Can be used to view, edit or delete the desktop banner. Refer to /service/groups/{name}/desktopBanner .
desktopBanner BackgroundColor	A string value for the desktop banner background color. Valid values are HTML color codes in hexadecimal notation. Example: #FF0000
desktopBannerAlignment	A string value for the desktop banner alignment setting. Valid values must be any of the following strings: <i>left</i> , <i>center</i> or <i>right</i> .
desktopBannerLink	A string value for the desktop banner link. Valid values are proper HTTP URLs. For example: http://www.lifesize.com .
mobileBannerUrl	The URL that identifies the mobile banner image resource. Can be used to view, edit or delete the mobile banner. Refer to /service/groups/{name}/mobileBanner .
mobileBanner BackgroundColor	A string value for the mobile banner background color. Valid values are HTML color codes in hexadecimal notation. Example: #FF0000
mobileBannerAlignment	A string value for the mobile banner alignment setting. Valid values must be any of the following strings: <i>left</i> , <i>center</i> or <i>right</i> .
mobileBannerLink	A string value for the mobile banner link. Valid values are proper HTTP URLs. Example: http://www.lifesize.com

Name	Description
client70BannerURL	A string value for the older 7.0.x ClearSea desktop client banner image.
pseVamIntegration Enabled	A Boolean value specifying if the PSE.VAM integration is enabled. This setting is valid only for older 7.0.x ClearSea desktop clients.
pseVamE164	A string value for the PSE.VAM alias setting. This setting is valid only for older 7.0.x ClearSea desktop clients.
pseVamURL	A string value for the PSE.VAM URL setting. This setting is valid only for older 7.0.x ClearSea desktop clients.
helpButtonURL	A string value for the Help Button link setting.
operatorButtonURL	A string value for the Operator Button link setting.
customButton1URL	A string value for the Custom Button #1 link setting.
customButton2URL	A string value for the Custom Button #2 link setting.
customButton3URL	A string value for the Custom Button #3 link setting.
customProvisioningFields	A string value for the Custom provisioning fields setting.

Status

Use the **Status** JSON data type to represent the current system status.

JSON example:

```
{
  "serviceStatus" : "...",
  "version" : "...",
  "buildNumber" : "...",
  "portsCurrent" : ...,
  "portsMax" : ...,
  "usersMax" : ...,
  "usersProvisioned" : ...,
  "usersRegistered" : ...
}
```

JSON fields description:

Name	Description
serviceStatus	The current status of the LifeSize ClearSea service. Normal status is RUNNING. NOTE: The LifeSize ClearSea Server must be activated in order to be functional.
Version	The LifeSize ClearSea product version: major.minor.patch
buildNumber	LifeSize ClearSea build number.
portsCurrent	The number of ports currently in use. The <i>port</i> term is related to the <i>call leg</i> term. If user A is in a call with user B there are two call legs involved and hence two used ports. Ports used for Test calls are not considered in this field.

Name	Description
portsMax	The maximum number of concurrent ports allowed by the current license. If the maximum number of used ports is reached, new calls will fail.
usersMax	The maximum number of user accounts allowed by the current license.
usersProvisioned	Number of provisioned (created) user accounts.
usersRegistered	Number of users with LifeSize ClearSea Client currently logged in to the LifeSize ClearSea Server.

CallHistory

The **CallHistory** JSON data type represents an entry in the history of calls placed or received from a user account.

JSON example:

```
{
  "ID" : ...,
  "userID" : "...",
  "url" : "...",
  "type" : "...",
  "startDate" : "...",
  "endDate" : "...",
  "duration" : ...,
  "remoteParty" : "..."
}
```

JSON fields description:

Name	Description
ID	An integer number used to identify the call history entry.
userID	The user ID identifying the account with which the call history entry is associated.
url	The URL that identifies the call history entry resource. Can be used to edit or delete the entry. Refer to /service/callHistory/{callHistoryID} .
type	The call history entry type. Valid values are: <ul style="list-style-type: none"> <i>Incoming</i> if the call was answered by the user specified by field userID. <i>Outgoing</i> if the call was placed by the user specified by field userID. <i>Missed</i> if the call was directed to the user specified by field userID but was not answered.
startDate	The date and time when the call was placed, with format YYYY-MM-DD hh:mm:ss +ZZZZ (year-month-day hours:minutes:seconds +timezone).
endDate	The date and time when the call was terminated, with format YYYY-MM-DD hh:mm:ss +ZZZZ (year-month-day hours:minutes:seconds +timezone).
duration	The call duration in seconds.
remoteParty	The address of the caller or the called endpoint. (The caller address if type is <i>Incoming</i> or <i>Missed</i> , or the called address if type is <i>Outgoing</i>).

LogFile

The **LogFile** JSON data type represents information about a log or CDR file.

JSON example:

```
{
  "name" : "...",
  "type" : "...",
  "date" : "...",
  "size" : ...,
  "url" : "...",
  "contentsUrl" : "...",
}
```

JSON fields description:

Name	Description
name	The log or CDR filename.
type	The logFile type. Possible values are <i>CDR</i> , <i>TRANSACTIONS</i> , <i>CALLTRACE</i> .
date	The logFile date.
size	The file size in bytes.
url	The URL that identifies the logFile resource. Use this field to retrieve or delete the logFile. Refer to /service/logFiles/{name} .
contentsUrl	The URL to retrieve the file contents. Refer to /service/logFiles/{name}/contents .

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