Con-Flab Conferencing

Integration and API documentation

For support and advice please call us on 0844 289 0607

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HTTP API – Creating a conference

The HTTP API allows you direct access to the conference platform offering maximum flexibility for integration. To create a conference and retrieve the necessary details all that is required is a basic HTTP post to *http://api.con-flab.co.uk/* with the below details (all of which are optional). The result of the API call (including the phone number for users to call and the pin numbers they need to access their conference) are then returned as a delimited string which you can display to them however you wish.

For an easier but less flexible integration option take a look at the JavaScript component later on in this document.

Input fields

Field name	Description	Optional?	Type	Max length	Notes
rid	Your reseller ID	Yes	integer	n/a	Assigned by Liquid11
time	Estimated time of conference	Yes	date & time	n/a	
heads	Estimated number of participants	Yes	integer	n/a	
fname	First name of conference creator	Yes	string	64	
sname	Surname of conference creator	Yes	string	64	
email	Email address of conference creator	Yes	string	100	
company	Company name of conference creator	Yes	string	100	
dob	Date of birth of conference creator	Yes	date	n/a	
landline	Landline phone number of conference creator	Yes	string	11	
mobile	Mobile phone number of conference creator	Yes	string	11	

Return fields (on successful creation of conference)

If the returned string starts with "SUCCESS|" then the details of the conference will be given to the right of the "|" delimited by asterisks ("*"). The below table show at which position the various conference details will appear in the asterisk delimited string.

Position	Description
1	Administrator pin: *Users of this pin will have administrative abilities.*
2	Monitor-only pin: *Users of this pin will only be able to listen to the conference and will not be able to contribute.*
3	Participant pin: *User of this pin will be able to listen and contribute to the conference.*
4	Number of days the conference (and pin numbers) will be valid for
5	Conference dial in number

Error codes

If the returned string start with "ERROR|" then the error code will be given to the right of the "|" delimited by asterisks ("*"). These error code indicate what went wrong.

Error code	Description
2	The rid sent into the API is invalid.
3	Internal error
4	Internal error

Example input

http://api.con-flab.co.uk

Example output (on error)

ERROR|1*2*3

Example output (on success)

SUCCESS|25335353*32636373*63687111*30*02074466644

HTTP API   –   Retrieving and playing conference recordings

The HTTP API allows you to retrieve and play conference recordings by simply providing the email address of the person who created the conference and also the administration pin number provided to them.

In order to retrieve details of a conference recording you will need to submit an HTTP post to **http://api.con-flab.co.uk/API_recordings.aspx** with the following parameters:

Field name	Description	Optional?	Type	Max length
email	The users email address used to create the conference	No	String	100
apin	The admin pin provided to the user	No	Integer	n/a

In response to the submission a delimited string will be return such as the below:

SUCCESS|True*01/01/1900*False*01/01/1900*322*45759254-4C52-4B8A-BE1F-713455F04909,

The value to the left of the pipe (|) will be either "SUCCESS" or "ERROR". If it is "SUCCESS" (and there are recordings available for the conference) then the details of these recordings will appear in a comma delimited string to the right of the pipe. (Note: There may be multiple recordings for a single conference). Each detail of the recording it delimited by an asterisk (*). The values of these asterisk delimited fields are listed below:

Position	Description
1	Has the recording been previously accessed?
2	The last date and time the recording was accessed.
3	Is the recording still in progress (if it is then it cannot be played).
4	The date the recording was made.
5	The duration in seconds of the recording.
6	A unique ID for the recording which is required to play the recording using this API.

Should the value to the left of the pipe be set to "ERROR" then a string of delimited number will be available to the right of the pipe indicating what the error is in retrieving the recordings. The possible errors are:

Error code	Description
6	Missing Administration pin
7	Invalid Administration pin
8	Missing email address
5,9	Internal errors

An example submission for retrieving a list of conference recordings for a given conference is:

http://api.con-flab.co.uk/API_recordings.aspx?email=support@liquid11.co.uk&apin=123456

Playing call recordings

In order to download a call recording in the form of a WAV file all you need to do is make an HTTP submission to *http://api.con-flab.co.uk/API_recordings_play.aspx* With the unique ID given for the recording when requesting the list of conference recordings via the API. An example submission which will return a conference recording WAV file is:

http://api.con-flab.co.uk/API_recordings_play.aspx?rec=45759254-4C52-4B8A-BE1F-713455F04909

JavaScript component – Creating a conference

In addition to the HTTP API we also provide a JavaScript component which wraps the HTTP API in just a few easy to use functions. This is intended for use on front end web applications (e.g. websites) and is available from http://api.con-flab.co.uk/api.js.

The most important function in the component is createConf() which accepts the following parameters (most of which are optional):

Name	Type	Optional	Description
callback_function	reference	no	This is a reference to a JavaScript function which will be called with the result string when returned from the HTTP API.
rid	integer	yes	Used for internal tracking
time	datetime	yes	Estimated conference start time (formatted "dd MMM yyyy" e.g. "1 jan 1900")
heads	integer	yes	Estimated number of participants
fname	string	yes	Users first name (max 32 characters)
sname	string	yes	Users surname (max 32 characters)
email	string	yes	Users email address (max 128 characters)
company	string	yes	Users company name (max 32 characters)
dob	datetime	yes	The users date of birth (formatted "dd MMM yyyy" e.g. "1 jan 1900")
landline	string	yes	The users landline telephone number (max 11 characters)
mobile	string	yes	The users mobile phone number (max 11 characters)

createConf (*callback_function*) will create a conference on the platform and then call your specified callback function with the result string[1]. Within your call back function you will then need to display the information to your user however you wish.

The javascript component also provides a function named displayConfAlert() for displaying the formatted result in a standard JavaScript alert box. To use this you simply need to provide the name of the function as the *callback_function* parameter when calling the createConf() function. This is shown in the example below.

Example code

```
<script language="JavaScript" src="http://api.con-flab.co.uk/api.js" type="text/javascript"></script>

<input type="button" value="Create My Conference" onClick="javascript:createConf(displayConfAlert);" />
```

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[1] The result string is exactly as documented for the HTTP API.

JavaScript component – Retrieving and playing conference recordings

Retrieving conference recording details

The JavaScript component also contains a function for retrieving details on conference recordings and also an additional function for playing them. *retrieveRecordings()* Accepts three mandatory parameters:

1. Email – this is the email address which was used when creating the conference for which you want the recordings of
2. Admin pin – this is the Administrators pin which was issued when the conference was created.
3. Call-back function – this is the name of any function which accepts a single input string. This function will be called with a string containing the result of the API call.

The string returned to the call-back function will be formatted in exactly the same way as the call the HTTP API for retrieving recording details (see documentation above).

An example call to *retrieveRecordings() is:*

retrieveRecordings('support@liquid11.co.uk','12345',myCallbackFunction);

Downloading a conference recording

playRecording() allows you to easily playback any conference recording. Calling this function with the unique ID returned for a specific recording by the call to *retrieveRecordings()* will initiate a download of the appropriate WAV file.

An example call for playing a recording is:

playRecording('45759254-4C52-4B8A-BE1F-713455F04909');