

The Euphoria API is a basic Request and Response type environment. The data that is returned can be cached for up to 30 seconds, to eliminate load under frequent use.

## **Usage Requirements**

* Requests must be HTTPS:
* Must contain Tenant information, and an Authentication Key (see: [Obtaining an API Key](https://support.euphoria.co.za/solution/categories/109665/folders/180195/articles/109406-obtaining-an-api-key))
* Must contain Action Name (see: [API Action Name Reference](https://support.euphoria.co.za/solution/articles/3000026789-api-actionname-reference))
* XML must be wrapped in <XML></XML> Document Element

The API will require authentication on each request. No requests will be possible without the Tenant Name and Authentication Key. (see: [Obtaining an API Key](http://support.euphoria.co.za/solution/categories/109665/folders/180195/articles/109406-obtaining-an-api-key))

**Obtaining an API Key**

* Log into the TMS
* Select the PBX the API needs to be on.
* Navigate to the API Manager. (If this option is not available, please contact the support company, and ask for the API Manager to be enabled.).
* Depending on which TMS is being used, the user will select either “API Auth Codes” or “API Manager”.
* Once loaded, the user can click on “Add API Key” and type in a relevant name for the API key.
* The TMS will then provide the user with a new API Authorization code.

**Obtaining a Tenant Name**

A Tenant name is a unique reference that is used to identify a specific PBX. Follow the below steps to obtain the Tenant Name:

* Log into the TMS but do not select the account. (Under an account there will either be a field called “Name” or “Account”. In this field there will be a unique one-word name which will be the Tenant Name).
* Log into the TMS, select the PBX the API should be used on.
* Navigate to Extension Manager
* >Extensions
* >Click on any extension
* >Click on the “Send Password” button. (This will open a pop-up window information.
* One of the fields will provide SIP username. The SIP username is made up of two parts that is separated with a dash (-): Extension Number - Tenant Name

**API ActionName Reference**

**DownloadCallRecordingByFilename**

Returns the BASE64 encoded text block containing the WAV file. The base64 code must be decoded and streamed to the disk to get the original WAV file. The WAV file audio stream will contain GSM codec compression. The file can be played back with most audio players

|  |  |  |
| --- | --- | --- |
| **Input** | **Description** | **Example** |
| FileName | Name of call recording file | pbx4-1603469421.1196632-<placeholder>.WAV |

|  |  |  |
| --- | --- | --- |
| **Output** | **Description** | **Example** |
| fileName | Name of call recording file | pbx4-1603469421.1196632-<placeholder>.WAV |
| audioData | BASE64 encoded text block containing the WAV file | UklGRuIPAQ.... |

Example:

<XML>

 <Tenant>

 <Name>Your Tenant Name<Name>

 <Auth>Your-Auth-Key-goes-here</Auth>

 </Tenant>

 <ActionName>**DownloadCallRecordingByFilename** </ActionName>

<FileName></FileName>

</XML>

**Error Handling**

If the request returns with an error, it will be structured as follows:

<?xml version="1.0" encoding="UTF-8"?>

<XML>

 <Error>Description of error</Error>

</XML>

Error checking level of code should be inserted to handle the Error response. The system should never send back a 500 Error or typical HTTP error code Unless the API server is unavailable the system will return with a 200 OK each time.

##

## **Error Reference**

**Input XML not loaded:** The XML structure provided is incorrect, check that the XML contains the header and the appropriate XML open enclosing nodes.

**No Document Element:** No document element could be found. Ensure that the case is correct.

**Authorization Failed**: Either the Name or Auth fields did not contain the correct information.

**No Action Defined:** No Action Name was provided.

**Incorrect Input Parameters. Please check documentation**: The required fields have not been provided, check the Action Name reference page.

**I'm sorry, connection to one or more of the databases failed:** An internal error where the API failed to establish a connection to one or more of Euphoria’s Databases.

**That username is not part of this Tenant**: The required field passed does not contain information relating to this Tenant Name.

**Permission Denied:** The request does not have permission to access the ActionName.

**Sip Server not found:** Sip Server for the Tenant is unavailable.

**Concurrent API Calls Exceeded:** The amount of concurrent calls exceeds 3 for this specific request.

**Action Name Not Found**: The ActionName in the request does not exist.