

# Free Call Rating Integration Manual



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## Overview

The purpose of this document is to explain the methods available to integrate with the DTH Software – Free Call Rating web-based service.

As its name implies, this is a free service offered by [DTH Software, Inc.](#) The service allows you to submit cdr via an HTTP call, the service will then rate and store the records which you can log in a run reports on afterwards. Future versions of this service will also include customer management and billing features.

This manual explains the integration. For details on how to use the system, please refer to our User Manual.

Our service allows you to submit calls records to us via a simple HTTP call over SSL (Secure Socket Layer). The call records will then be rated based on the rates you set up in the system and then stored in our database for you to report on. SSL may not be available in the BETA release.

There are two common methods of submitting call records.

1. Your switch can submit the call record right after the call ends. The advantage to this is that your calls are immediately available in the system. The disadvantage is that this places additional load on your switch.
2. You can have a scheduled script review your call record log files and submit the call records to our system. This would be the preferred method.

We have pre-built integrations available at [www.freecallrating.com/integrations.htm](http://www.freecallrating.com/integrations.htm). If you are unsure how to integrate your system, [submit a ticket](#) to our Help Desk.

You are welcome to use you own cdr submissions scripts (instead of ours) however we recommend you refer to our Integration Guidelines manual as abuse of our system can lead to your account being disconnected.

## Sign up

Before using the system, you will need to sign up for service at [www.freecallrating.com](http://www.freecallrating.com). At the time of this writing, the system is not at production level however we are accepting requests for beta users. If you are interested in becoming a beta user, please [submit a ticket](#) with our Help Desk.

When you sign up, you will be given an API AccountID, DatabaseID and password. This is different than the email address/password you log into the web site with.

## Submitting Call Records

Call records are submitted to our system via an HTTP call over SSL (optional). All the available parameters are detailed below.

Parameter	Required (Y/N)	Description
DatabaseID	Y	The API DatabaseID assigned to you after signup.
APIAccountID	Y	The API AccountID assigned to you after sign up.
APIPassword	Y	The API password assigned to you after sign up.
OriginatingNumber	Y	The number the call originated from.  Max length of 20 characters.
DestinationNumber	Y	The dialed number.  Max length of 20 characters.
StartDateTime	N	Preferred format is YYYY-MMM-DD%20HH:MM:SS.  If no value is supplied then the system will use current time minus duration.  If a value is supplied but it is not a valid date/time value, the system will accept the call record but will not rate it until a valid date/time is supplied.
Duration	Y	Duration of the call in seconds.
AccountCode	N	You can use this to assign a record to a specific accounting code.  Max length of 20 characters.
ExternalID	N	You can use this as a key to link the calls in your switch to the call records in our system.  Example: If you were use FreePBX® the field you would use for this is 'uniqueid'.  Max length of 15 characters.

If a call record is submitted for an extension that doesn't exist or has no package configured, the system will still accept the call record but it will not rate it until the error is corrected.

All unrated call records will be in the Unrated Records report.

If a call record is accepted, the system will respond with '0'. A future version will also respond with the rated details (price, billed duration, etc) so you can update another system in real time.

If the call record is rejected, it will respond with a non-zero response code. The codes are listed in the Response Codes section of this document.

The current version is limited to 1,000 call records per day per account unless alternate arrangements have been made. To apply to have your daily limit increased, please [submit a ticket](#).

## Sample HTTP Call

### Minimum required fields

[http://beta.freecallrating.com/api\\_submitcdr.aspx?DatabaseID=DEMO&APIAccountID=DEMO&APIPassword=demopass&OriginatingNumber=100&DestinationNumber=16138220000&Duration=90](http://beta.freecallrating.com/api_submitcdr.aspx?DatabaseID=DEMO&APIAccountID=DEMO&APIPassword=demopass&OriginatingNumber=100&DestinationNumber=16138220000&Duration=90)

### All fields

[http://beta.freecallrating.com/api\\_submitcdr.aspx?DatabaseID=DEMO&APIAccountID=DEMO&APIPassword=demopass&OriginatingNumber=100&DestinationNumber=16138220000&Duration=90&StartDateTime=2008-01-01%2012:12:59&AccountCode=12345&ExternalID=53453454.54](http://beta.freecallrating.com/api_submitcdr.aspx?DatabaseID=DEMO&APIAccountID=DEMO&APIPassword=demopass&OriginatingNumber=100&DestinationNumber=16138220000&Duration=90&StartDateTime=2008-01-01%2012:12:59&AccountCode=12345&ExternalID=53453454.54)

## Response Codes

Response Code	Meaning
0	Call Record accepted
50443	Invalid DatabaseID submitted
50440	Invalid APIAccountID
50300	No APIPassword submitted
50390	Invalid APIPassword
50416	Invalid Duration
50421	This call record has already been submitted
50429	You have exceeded your daily call record submission limit.

Please submit questions to our [Help Desk](#).