

Free Call Rating Integration Manual For FreePBX®



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Overview

The purpose of this document is to explain the installation of the Linux shell script used to upload your call records to our system from the FreePBX (MySQL) database.

This documentation assumes you have FreePBX installed and that the MySQL engine is running.

We recommend you perform a backup of your system prior to installing any third party modules or scripts (ours included) on your server.

Create MySQL Log Table

The first thing we need to do is create the MySQL log table that will store information about the records processed by our system.

From the Linux CLI type following commands. Press <ENTER> after each command. The ';' character on the end of commands 4, 5, 6, 7 and 8 is required.

1. `mysql -u asteriskuser -p`
2. Enter your 'asteriskuser' password
3. `use asteriskcdrdb`
4. `create table fcr_log (uniqueid VARCHAR(32), ProcessDateTime DATETIME, RatingCode INT);`
5. `create index fcr_cdr_uniqueid on cdr(uniqueid);`
6. `create index fcr_cdr_calldate on cdr(calldate);`
7. `create index fcr_cdr_userfield on cdr(userfield);`
8. `DESCRIBE fcr_log;`
9. `quit`

The DESCRIBE command will display the structure of the table.

Install Linux Bash Script

1. Log into the Linux CLI of your Asterisk box.
2. Navigate to the /usr/bin/ folder
3. Use FTP to download the bash script used to read/upload the MySQL cdr.
 - a. FTP to our download site. Command = ftp downloads.dthsoftware.com
 - b. Username = dthsoftware-downloads
 - c. Password = readonly
 - d. Change to binary mode. Command = bin
 - e. Change to 'freepbx' directory. Command = cd freepbx
 - f. Download bash script. Command = mget fcrupload_freepbx.sh
 - g. Disconnect. Command – disc
 - h. Close FTP. Command - bye
4. Open the fcrupload_freepbx.sh file for editing using your favorite editor. Example 'vi fcrupload_freepbx.sh'
5. Edit the MYSQL_USER constant to reflect the MySQL account you want to use to access the cdr data. The default is 'asteriskuser'.
6. Edit the MYSQL_PASS constant to use the password associated with the MYSQL_USER login you are using. The default for 'asteriskuser' is 'amp109'.
7. Edit the MYSQL_DB constant to point to the database the cdr are stored in. The default is 'asteriskcdrdb'.
8. Edit the API_DATABASEID constant to the FCR DatabaseID given to you after signup.
9. Edit the API_ACCOUNTID constant to the FCR AccountID given to you after signup.
10. Edit the API_ACCOUNTPASS constant to the FCR password given to you after signup.
11. Edit the NOT_BEFORE constant to control which date you want to start processing cdr for. The required format is YYYY-MM-DD.
12. Leave the MAX_RECORDS constant at 1 while you are testing the connection. Once your testing of the rating is complete you can set it you whatever you daily maximum is. (This assumes you are only running the upload once per day)
13. Make the fcrupload_freepbx.sh script executable. Command = 'chmod 711 fcrupload_freepbx.sh'
14. Run the script. './fcrupload_freepbx.sh'. The script will echo what it is doing.
15. Once your testing is complete you can change the MAX_RECORDS to whatever your daily limit is.

Need help installing the script? [Submit a ticket.](#)

Schedule Script

We recommend scheduling the script to run daily during non-peak hours. Follow the steps below to schedule the script. You can change the time and recurrence as necessary.

If you maintain a master cron file then adjust it as necessary and reload it. If you do not use a master cron file then use the steps below to add the new scheduled job.

Add to Cron

1. Edit job list. Command = `crontab -e`
2. Insert a line in the file to control the scheduling of the job. The sample line below runs the script every night at midnight.
 - a. `0 0 * * * /usr/bin/fcrupload_freepbx.sh >> /usr/bin/fcr_cron.log`
3. Save the file and close the editor.
4. Verify the job has been loaded. Command = `crontab -l`

See 'man cron' and 'man crontab' for additional information.