

Charge Processing Script - README

1. Prerequisites

Ensure that your system meets the following requirements before running the script.

a. Install Python

- The script requires Python 3.x.
- Check if Python is installed by running:
`python --version`
`python3 --version`
- If Python is not installed, download and install it from <https://www.python.org/downloads/>

b. Install Required Python Libraries

The script depends on the following Python libraries:

- requests
- pandas
- json
- base64 (built-in with Python)

To install the required libraries, open a terminal or command prompt and run:

```
pip install requests pandas
```

2. Prepare the CSV File

The script reads charges from a CSV file named 'charges.csv'.

Ensure the CSV file is in the same directory as the script.

The CSV file must have the following columns:

- accountId (Mandatory)
- amount (Mandatory)
- description (Optional; if missing, it defaults to 'Manual charge')

Example of 'charges.csv' Format:

```
accountId,amount,description
```

```
12345,100.00,Service Fee
```

67890,250.50,Subscription Charge
11223,75.00,One-time Adjustment

3. Update API Configuration

The script communicates with an API at `http://10.160.0.85:30000/1.0/kb/invoices/charges`.
Update the following values if needed:

- USERNAME: Your API username (default: admin).
- PASSWORD: Your API password (replace 'password' with the actual password).
- X-Killbill-ApiKey and X-Killbill-ApiSecret if your tenant uses different credentials.
- currency in the payload (default: PHP).

4. Run the Script

a. Using Command Prompt (Windows)

1. Navigate to the script's directory:
- ```
cd path\to\script\directory
```

2. Run the script:
- ```
python charge_processing.py
```

b. Using Terminal (Mac/Linux)

1. Navigate to the script's directory:
- ```
cd /path/to/script/directory
```

2. Run the script:
- ```
python3 charge_processing.py
```

5. Understanding the Output

The script processes each charge and displays results in the terminal.
Each processed charge will show:

Account ID	Amount	Status
=====		
12345	100.0	Success
67890	250.5	Failed - 400: Invalid Account
11223	75.0	Success

A log file 'charge_log.csv' is generated in the same directory, containing the charge results.

6. Troubleshooting

Issue	Possible Cause	Solution
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ModuleNotFoundError: No module named 'requests'	requests library not installed	Run pip install requests
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FileNotFoundError: [Errno 2] No such file or directory: 'charges.csv'	Missing charges.csv file	Ensure charges.csv is in the script's directory
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Failed - 401: Unauthorized	Incorrect API credentials	Check USERNAME, PASSWORD, X-Killbill-ApiKey, and X-Killbill-ApiSecret
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Failed - 500: Internal Server Error	API issue	Check API status and try again
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7. Completion

Once completed, check the 'charge_log.csv' file to review which charges succeeded or failed.

If needed, correct failed charges and rerun the script.