

Credit 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 credits from a CSV file named 'credits.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)

Example of 'credits.csv' Format:

```
accountId,amount
```

```
12345,50.00
```

```
67890,75.50
```

11223,100.00

3. Update API Configuration

The script communicates with an API at `http://10.160.0.85:30000/1.0/kb/credits?autoCommit=true`.

Update the following values if needed:

- Authorization: Replace 'password' in the script with the actual API password.
- X-Killbill-ApiKey and X-Killbill-ApiSecret if your tenant uses different credentials.

4. Run the Script

a. Using Command Prompt (Windows)

1. Navigate to the scripts directory:

```
cd path\to\script\directory
```

2. Run the script:

```
python credit_processing.py
```

b. Using Terminal (Mac/Linux)

1. Navigate to the scripts directory:

```
cd /path/to/script/directory
```

2. Run the script:

```
python3 credit_processing.py
```

5. Understanding the Output

The script processes each credit and displays results in the terminal.

Each processed credit will show:

Account ID	Amount	Status
=====		
12345	50.0	Success
67890	75.5	Failed - 400: Invalid Account
11223	100.0	Success

A log file 'credit_log.csv' is generated in the same directory, containing the credit results.

6. Troubleshooting

| Issue | Possible Cause | Solution |

|-----|-----|-----|

| ModuleNotFoundError: No module named 'requests' | requests library not installed | Run pip install requests |

| FileNotFoundError: [Errno 2] No such file or directory: 'credits.csv' | Missing credits.csv file | Ensure credits.csv is in the script's directory |

| Failed - 401: Unauthorized | Incorrect API credentials | Check API credentials and update the script |

| Failed - 500: Internal Server Error | API issue | Check API status and try again |

7. Completion

Once completed, check the 'credit_log.csv' file to review which credits succeeded or failed.

If needed, correct failed credits and rerun the script.