**User Guide for Vessel Fleet Management Script**

This guide will walk you through using the Vessel Fleet Management script with the MarineTraffic API. You'll learn how to configure, run, and interact with the script through various options.

**Step 1: Preparation**

Before you start, follow these steps:

1. **Install Python**: Ensure you have Python 3.x installed on your system.
2. **Install Required Libraries**: Open your terminal or command prompt and install the necessary libraries:



1. Obtain API Keys: Sign up for MarineTraffic API access and get your unique API keys.
2. Create a CSV File: Prepare a CSV file with the vessel identifiers you want to manage. Save it at a known path, e.g., C:\path\to\your\vessel\_list.csv.

**Example CSV Structure**:

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1. **Edit the Script**: Open the script in your preferred Python editor and configure the following:

* Replace YOUR\_GETFLEET\_API\_KEY, YOUR\_SETFLEET\_API\_KEY, etc., with your actual API keys.
* Set the file\_path to point to your CSV file.
* Define fleet\_id and identifier (e.g., imo).

**Step 2: Running the Script**

To run the script, execute it in your terminal or Python environment. You'll see a menu prompting you for actions.

**Step 3: Interacting with the Menu**

When you run the script, you'll be presented with a menu of options:

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**Option 1: Add Vessels**

* **What to Do**:
  + When prompted, confirm whether to load vessels from the CSV file or use the vessel list from the VESSELS array in the script here.

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* **Example Scenario**:
  + You choose option 1. The script loads vessel IDs from your CSV file

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**Option 2: Remove Vessels**

* **What to Do**:
  + Enter the vessel IDs you wish to remove from your fleet.
  + Enter the vessels in the array list to pre-enter the vessels you want to remove from your fleet.
  + If no values are entered in the array. It will ask you to enter the vessels. If you want to enter the vessel ids multiple times, you may use comma-separated values. (e.g. 1234567,2345677, etc)
* **Example Scenario**:
  + You choose option 2 and input 1234567

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**Option 3: Set Vessel Active**

* **What to Do**:
  + Enter the vessel ID you want to activate.
  + Enter the vessels in the array list to pre-enter the vessels you want to edit from your fleet.
  + If no values are entered in the array. It will ask you to enter the vessels. If you want to enter the vessel ids multiple times, you may use comma-separated values. (e.g. 1234567,2345677, etc)
* **Example Scenario**:
  + You choose option 3 and input 8901234

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**Option 4: Set Vessel Inactive**

* **What to Do**:
  + Enter the vessel ID you want to deactivate.
  + Enter the vessels in the array list to pre-enter the vessels you want to edit from your fleet.
  + If no values are entered in the array. It will ask you to enter the vessels. If you want to enter the vessel ids multiple times, you may use comma-separated values. (e.g. 1234567,2345677, etc)
* **Example Scenario**:
  + You choose option 4 and input 8901234

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**Option 5: List Vessels**

* **What to Do**:
  + Simply select this option to view the current vessels in your fleet.
* **Example Scenario**:
  + You choose option 5

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**Option 6: Clear Fleet**

* **What to Do**:
  + Confirm whether you want to clear the entire fleet by typing y/n (Yes/No).
* **Example Scenario**:
  + You choose option 6 and type yes

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**Option 7: List Fleet IDs**

* **What to Do**:
  + Select this option to retrieve and display all fleet IDs associated with your account.
* **Example Scenario**:
  + You choose option 7

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**Option 8: Exit**

* **What to Do**:
  + Choose this option to exit the script.
* **Example Scenario**:
  + You select option 8



**Conclusion**

You now have a complete understanding of how to interact with the Vessel Fleet Management script using the MarineTraffic API. Follow the steps outlined in this guide to manage your fleet effectively.

**Tips for Success**

* Always ensure your CSV file is formatted correctly to avoid errors.
* Keep an eye on the API call limits to prevent throttling or bans.
* Customize the script further to meet your specific fleet management needs.

Feel free to reach out if you have questions or need further assistance!