# Use Case UC-004

Version 1.1

## Revision History

| Date | Author | Description of change |
| --- | --- | --- |
| 2023/10/11 | Noah Blake | Created UC-004 |
| 2023/10/15 | Jacob Rawlings | Formatting to match other UCs; Minor editing; Added text to “Extensions” section; Added “Special Requirement”: Security |
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**Use Case:**

A Data Administrator adds or removes a data source from the system

**Id**:

UC-004

**Description**

The Data Administrator modifies the configuration files used for data collection scripts, and adds or removes sources that the script will be pulling from. This can include API’s or websites.

**Level:**

Sub-function

**Primary Actor**

Data Administrator

**Supporting Actors**

Python environment

API service

Data Collection scripts

**Stakeholders and Interests**

Database Administrator: Interested in ensuring consistency of new data for storage

Data Analyst: Interested in the data results

**Pre-Conditions**

API service is functioning

Web collection is functioning

**Post Conditions**

Success end condition

API is no longer called

Removing API does not cause any other issues with

Failure end condition:

The newly inserted API key fails to work

Minimal Guarantee

The System will update the current list of API’s that it will be pulling from

**Trigger**

* User would like API to the list
* User would like to remove an API that they no longer want to be called from

## Main Success Scenario

1. Open configuration file
2. Enter source into list of sources being pulled from
3. Ensure the data is formatted in a way that the system can accept
4. Document new/removed sources in changelog

## Extensions

2a. The user enters an API that is already in use

i. The system identifies that the API is already in use

ii. Data Admin receives a notification indicating this

iii. Data Admin decides whether to overwrite the existing configuration, or cancel.

3b. The new data source has integration issues

i. inconsistencies are detected within the new data

ii. Data Administrator is notified of the inconsistency

iii. Data is not allowed to be entered into database

## Variations

1. Importing Data Source configurations
   1. The Data Administrator can import stored configuration files from prior instances

**Frequency:**

On-Demand

Ad Hoc

**Assumptions**

Hosting service is online

Documentation is provided for new data source

## Special Requirements

**Security**

Data Administrators are the only people with credentials to access configuration files

## Issues

* Potential system performance impact
* Scalability, new sources should have scalability on mind
* Data integration, New data may be complex and have to be unified to match other data sources

## To do

1. Document the API used and how it receives the data