# **Use Case** UC-010

Version 1.0

## **Revision History**

| Date | Authors | Description of change |
| --- | --- | --- |
| 01/17/2024 | Jacob R and Vanessa D | Initial use case document created |
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**Use Case:** User modifies the constituent being queried using UI

**Id**: UC-010

**Description:** The user modifies configuration files by selecting their desired options with UI menus.

**Level:** User Goal

**Primary Actor**

Data Analyst

**Supporting Actors**

Hosting provider

System Administrator

Data Management Team

**Stakeholders and Interests**

Data Analyst: Interested in retrieving a different set of market assets, by modifying which market constituent is being collected via configuration changes made through the user interface.

System Administrator: Interested in ensuring that the configuration files are updated according to the desired changes.

Data Management Team: Interested in data integrity, and ensuring that the new incoming data is inserted successfully without conflicts or anomalies.

**Pre-Conditions**

API Service is available

Valid user credentials

ATS system is available

**Post Conditions**

Success end condition

Configuration files are modified with the new constituent without issues.

Failure end condition:

Configuration files are not modified, and an error notification is displayed.

Minimal Guarantee

The process will either exit successfully or fail.

**Trigger**

1. Data Analyst wishes to change the constituent being queried
2. Launches User Interface Application

## **Main Success Scenario**

1. Data Analyst logs into the web application.
2. Navigates to “constituent” dropdown.
3. Selects the desired constituent.
4. Apply changes.
5. The relevant configuration files are updated and saved on the server.

## **Extensions**

1a. Incorrect credentials

1. Login is rejected
2. “Incorrect credentials” notification appears

3a. The desired constituent is not included

1. Selects “Add new constituent”
2. User goes through process to add a new constituent (Use Case 0XX)

**Frequency:** As needed

**Assumptions**

The constituent being added is valid.

Login credentials are valid.

## **Special Requirements**

**Performance:**

Configuration changes made to the system should not slow down processes of the system.

Configuration changes should be applied immediately.

**Security:**

Login verification process

**Logging:**

A log file will be created whenever this process executes successfully, and will be created following the ATS logging conventions.

## **Issues**

1. Error handling. What types of errors can occur and how should we handle them?
2. What if multiple instances are trying to modify the configuration files at the same time?

## **To do**

1. Add file lock systems
2. “Undo” and “Redo” functionality