ADQP-API Solution Reference Document

SOLUTION OVERVIEW

The Automated Data Quality Processing (ADQP) service offers customers the capability to process files containing address data of their current and prospective customers. ADQP primarily focuses on related data elements, including street address, city, state, and zip code, to guarantee the accuracy and currency of customer information. By validating and updating these critical data components, companies can reduce the risk of inaccuracies in their customer database, minimize potential sales losses, and enhance customer satisfaction.

The ADQP-API should be leveraged to transmit a file for performing processing functions such as CASS, NCOA, append, reduce, etc. This platform API is designed to provide flexibility, scalability, and enhanced processing capabilities for enterprises to maximize their ability to control and manage data quality processes.

ONBOARDING

Each API Key is manually created per customer per use type (typically a line of business within an enterprise). Keys are available in any quantity. This not only ensures data security, it also gives the enterprise the ability to query usage as needed. Additional onboarding steps will be to validate the file format and layout for the enterprise that all lines of business (LOB) will use.

PROCESSING STEPS

- Authentication will be via an API key, generated by the system
  - Upon submission of a file, a unique identifier will be returned for that file
- Call the ADQP-API to submit the file (pre-established during onboarding for file format)
- Once upload is complete, call the ADQP API to query the status of a file (Received, Processing, Completed)

PROCESSING STEPS CONT.

- Once in Completed phase, call the ADQP API to allow the downloading of the results of a file
  - The system will make the following files available for download:
    - Results File
    - AEX Report
    - MSR Report
    - Form 3553
- Additionally, you can call the ADQP API to view usage metrics for a particular API Key
- Once submitted, the system can provide the following:
- How many times the API Key called the service
- Total number of records processed by that API Key

TYPICAL AND EXPECTED THROUGHOUT

- 100k records get processed in ~2 minutes

- 1m records gets processed in ~10 minutes

- 10m records get processed in ~90 minutes

Note: Minimum record size is 100 records

ADQP- API TECHNICAL ONLINE DOC [LINKED HERE](link)