

Loqate, A GBG Solution

Release Notes – Verify API

2022Q1.1 Minor Release

Case Resolutions

Please visit <https://support.loqate.com/2022q1-1-resolved-cases/> for a list of all cases resolved in this release. If you would like more details on any of the solved cases listed, please contact LoqateSupport@gbgplc.com for further information.

Local API Notices

This is to inform our customers that in this 2022Q1.1 release we have made no major changes to the API there are 3 minor improvements.

Local API Improvements

Verify Improvements

Parsing Fix to a parsing error when the input premise number is the same as the PostalCode in US addresses. Issue was the postcode was dropped if the same number was entered as the premise.

2022Q1.0 (Before Change)

The screenshot displays the Loqate Demonstration UI v2.41.1.16005-a0b1b69. The interface is divided into several sections:

- Input Data:** Fields for Address4, Address2, Address1 (63141 N New Ballas Rd Ste 6005B), Locality (Saint Louis), Administrative Area (Missouri), PostalCode (63141), and Country (US). There are checkboxes for Parse, Verify, Match, Search, Format, Geocode, and Enhance.
- Output:** Fields for Address Quality Index (E), Address Verification Code (U00-I55-P0-100), and various address components like Organization, SubBuilding, Premise, Building, PostBox, etc.
- Bottom Status Bar:** Shows Server Status: ssOK and Process Status: psOK.

2022Q1.0: The output postal code is empty even though the input is not.

2022Q1.1 (After Change)

Loqate Demonstration UI v2.42.0.16074-7251140

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address4

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

DefaultCountry ☒ Parse ☐ Verify

EnhancedCountryTool ☐ Match ☐ Search

IgnoreUnmatched ☐ Format ☐ Geocode

☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 63141 N New Ballas Rd Ste 6005B Saint Louis MO 63141

Latitude

Longitude

Accuracy

Distance

Map This Location

Output

Address Quality Index 1 Result Count 1

Address Verification Code U00455-P2-100

Organization Empty

SubBuilding Ste 6005B Identified no change

Premise 63141 Identified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare N New Ballas Rd Identified no change

DoubleDependentLocality Empty

DependentLocality Empty

Locality Saint Louis Identified no change

SubAdministrativeArea Empty

AdministrativeArea MO Identified alias

SuperAdministrativeArea Empty

PostalCode 63141 Identified no change

Country United States

ISO2 US ISO3 USA

Unmatched

Processed Time 00:00:00.18

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

2022Q1.1: The output postal code is the same as input postal code.

New Thoroughfare Typo Handling feature for USA and Germany

- This feature adds capability into the engine to correct Thoroughfare input with minimal typo mistakes. It relies on correct input of both Locality and PostalCode to correct typo in input Thoroughfare.

USA Example 2022Q1.0 (Before Change)

Logate Demonstration UI v2.42.0.16013-6062831 DEBUG

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Organization

Premise

Address1

Locality

AdministrativeArea

PostalCode

Country

PreferPrimaryValidAlias ☐ Parse ☒ Verify

MaxResults Match ☐ Search

DuplicateHandlingMas Format ☐ Geocode

Enhance ☐

Clear Options Clear Input Clear Output Process

Output

Address 17 Fayelle St
Cambridge MA 02139-2501

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index C 1 Result Count 1

Address Verification Code P22-I44-P7-100

Organization

SubBuilding

Premise 17 Identified no change

Building

PostBox

DependentThoroughfare

Thoroughfare Fayelle St Identified alias

DoubleDependentLocality

DependentLocality

Locality Cambridge Verified no change

SubAdministrativeArea Middlesex Added

AdministrativeArea MA Verified alias change

SuperAdministrativeArea

PostalCode 02139-2501 Verified small change

Country United States

ISO2 US ISO3 USA

Unmatched

Processed Time 00:00:00.92

Shortcuts View All To Clipboard

2022Q1.0: The engine was unable to verify Input Thoroughfare "Fayelle", thus returned the input as output with field status "identified"

2022Q1.1 (After Change)

Logate Demonstration UI v2.42.1.16020-4594465 DEBUG

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Organization

Premise

Thoroughfare

Locality

AdministrativeArea

PostalCode

Country

PreferPrimaryValidAlias ☐ Parse ☒ Verify

MaxResults Match ☐ Search

DuplicateHandlingMas Format ☐ Geocode

Enhance ☐

Clear Options Clear Input Clear Output Process

Output

Address 17 Fayette St
Cambridge MA 02139-1111

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index C 1 Result Count 1

Address Verification Code V42-I44-P7-091

Organization

SubBuilding

Premise 17 Verified no change

Building

PostBox

DependentThoroughfare

Thoroughfare Fayette St Verified large change

DoubleDependentLocality

DependentLocality

Locality Cambridge Verified no change

SubAdministrativeArea Middlesex Added

AdministrativeArea MA Verified alias change

SuperAdministrativeArea

PostalCode 02139-1111 Verified small change

Country United States

ISO2 US ISO3 USA

Unmatched

Processed Time 00:00:00.58

Shortcuts View All To Clipboard

2022Q1.1: The engine corrects Input Thoroughfare "Fayelle" as "Fayette", and verifies with field status "verified"

German example 2022Q1.0 (Before Change)

Loqate Demonstration UI v2.42.0.16013-6062831 DEBUG

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Organization

Premise

Thoroughfare

Locality

AdministrativeArea

PostalCode

Country

PreferPrimaryValidAlias ☐ Parse ☒ Verify

MaxResults

DuplicateHandlingMas ☐ Match ☐ Search

☐ Format ☐ Geocode

☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address
48477 Hörstel

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code

Organization

SubBuilding

Premise Identified no change

Building

PostBox

DependentThoroughfare

Thoroughfare Verified small change

DoubleDependentLocality

DependentLocality

Locality Verified no change

SubAdministrativeArea Added

AdministrativeArea Added

SuperAdministrativeArea

PostalCode Verified no change

Country

ISO2 ISO3

Unmatched

Processed Time

Shortcuts View All To Clipboard

2022Q1.0: Input Thoroughfare "Kanslstr.", the engine produces Output Thoroughfare as "Hänselstr." which is a false positive result

2022Q1.1 (After Change)

Loqate Demonstration UI v2.42.1.16020-4594465 DEBUG

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Organization

Premise

Thoroughfare

Locality

AdministrativeArea

PostalCode

Country

PreferPrimaryValidAlias ☐ Parse ☒ Verify

MaxResults

DuplicateHandlingMas ☐ Match ☐ Search

☐ Format ☐ Geocode

☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address
48477 Hörstel

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code

Organization

SubBuilding

Premise Verified no change

Building

PostBox

DependentThoroughfare

Thoroughfare Verified small change

DoubleDependentLocality

DependentLocality Added

Locality Verified no change

SubAdministrativeArea Added

AdministrativeArea Added

SuperAdministrativeArea

PostalCode Verified no change

Country

ISO2 ISO3

Unmatched

Processed Time

Shortcuts View All To Clipboard

2022Q1.1: Input Thoroughfare "Kanslstr.", the engine corrects the typo and produces Output Thoroughfare as "Kanalstr." then it is able to verify the premise number

Improvement on premise level Geocode accuracy for UK addresses

From this release the geocode option now uses the PostalCode as well to distinguish between duplicate roads within the same locality to return the correct premise level geocodes.

2022Q1.0 (Before Change)

Loqate Demonstration UI v2.41.1.16005-a0b1b69

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address4
Address2
Address1 1 Bickley Court, 18 Southey Road, Wimbledon, London

Locality
Administrative Area
PostalCode SW19 1PN
Country GBR

DefaultCountry
EnhancedCountryTool
IgnoreUnmatched

Parse
Match
Format
Verify
Search
Geocode
Enhance

Clear Options Clear Input Clear Output Process

Output

Address 1 Bickley Court, 18 Southey Road, Wimbledon, London, SW19 1PN

Latitude 51.582181
Longitude -0.077630
Accuracy P4
Distance 0.0

Map This Location

Server Status: ssOK Process Status: psOK

2022Q1.0: The Geolocation returned is very far from the actual location.

2022Q1.1 (After Change)

Loqate Demonstration UI v2.42.0.16074-725f140

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address4
Address2
Address1 1 Bickley Court, 18 Southey Road, Wimbledon, London

Locality
Administrative Area
PostalCode SW19 1PN
Country GBR

DefaultCountry
EnhancedCountryTool
IgnoreUnmatched

Parse
Match
Format
Verify
Search
Geocode
Enhance

Clear Options Clear Input Clear Output Process

Output

Address 1 Bickley Court, 18 Southey Road, Wimbledon, London, SW19 1PN

Latitude 51.416298
Longitude -0.196831
Accuracy P4
Distance 0.0

Map This Location

Server Status: ssOK Process Status: psOK

2022Q1.1: The Geolocation returned is much closer to the actual location.

Installation Instructions

Please remember to update both the program files and the reference data and **please install these to a new fresh folder location**. The improvements are tied to the data in the Global Knowledge Repository and the Local API. When updating the data, it is recommended to use a new data folder each time in order to ensure the latest dataset is installed properly.

If you need any assistance with the upgrade of the Local API or the data update process, please contact [GBG Loqate Support](#).

The setup wizard for the [Local API](#) can be obtained from our SFTP server. Please contact your account manager to retrieve the SFTP information. If you do not know who your account manager is, please contact the support team at LoqateSupport@gbgplc.com.