

Loqate, A GBG Solution

Release Notes – Verify API

2023Q2.1 Minor Release

Case Resolutions

Please visit <https://support.loqate.com/2023q2-1-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 2023Q2.1 release there is a new API version - 2023Q2.1 branch 2.47.1.16878-fa4f7bc that contains the following case fixes below.

Case Number	Change Description	Country
CAS-84286-C5H1F3	Improve matching logic for multi-tokens address fields.	All
ASCEND-4155	ReferenceImport Issue - brackets not handled	KR
CAS-97545-C6J2B8	Issue with subbuilding field being used for unrecognized address info. Improve CASS2 AVC generation	USA (CASS2)
ASCEND-1763	CASS2 Cycle-O certification update from Cycle-N	USA (CASS2)

Local API Improvements

Case Number	Change Description	Category	Country	Example Address
CAS-84286-C5H1F3	Improve matching logic of multi-tokens address fields.	API	All	Address1: "245 Private Road 7103", Locality: "Buna" AdministrativeArea: "TX", PostalCode: "77612", country: "US"

Before Image

Loqate Demonstration UI v2.44.1.16421-d320dca

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3: []

Address2: []

Address1: 245 Private Road 7103

Locality: Buna

AdministrativeArea: TX

PostalCode: 77612

Country: US

CertifiedCountryList: [] Parse Verify

ActiveCASSLibrary: [] Match Search

DefaultCountry: [] Format Geocode Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index: B 1 Result Count: 1

Address Verification Code: V42-144-P7-096

Organization: [] Empty

SubBuilding: [] Empty

Premise: 245 Verified no change

Building: [] Empty

PostBox: [] Empty

DependentThoroughfare: [] Empty

Thoroughfare: Private Road 5185 Verified small change

DoubleDependentLocality: [] Empty

DependentLocality: [] Empty

Locality: Buna Verified no change

SubAdministrativeArea: Jasper Added

AdministrativeArea: TX Verified no change

SuperAdministrativeArea: [] Empty

PostalCode: 77612-2418 Verified small change

Country: United States

ISO2: US ISO3: USA

Unmatched: []

Processed Time: 00:00:00.01

Cache Stats Shortcuts View All To Clipboard

Address: 245 Private Road 5185 Latitude: 30.523485
Buna TX 77612-2418 Longitude: -94.014020
Accuracy: I4
Distance: 5.0
[Map This Location](#)

Server Status: ssOK Process Status: psOK

After Image

Loqate Demonstration UI v2.47.0.16914-86bc090

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID: []

Address2: []

Address1: 245 Private Road 7103

Locality: Buna

AdministrativeArea: TX

PostalCode: 77612

Country: USA

EnhancedCountryTool: [] Parse Verify

CertifiedCountryList: [] Match Search

DefaultCountry: [] Format Geocode Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index: A 1 Result Count: 1

Address Verification Code: V44-144-P7-100

Organization: [] Empty

SubBuilding: [] Empty

Premise: 245 Verified no change

Building: [] Empty

PostBox: [] Empty

DependentThoroughfare: [] Empty

Thoroughfare: Private Road 7103 Verified no change

DoubleDependentLocality: [] Empty

DependentLocality: [] Empty

Locality: Buna Verified no change

SubAdministrativeArea: Jasper Added

AdministrativeArea: TX Verified no change

SuperAdministrativeArea: [] Empty

PostalCode: 77612-3710 Verified small change

Country: United States

ISO2: US ISO3: USA

Unmatched: []

Processed Time: 00:00:01.24

Cache Stats Shortcuts View All To Clipboard

Address: Private Road 7103 245 Latitude: 30.356970
Buna TX 77612-3710 Longitude: -93.887600
Accuracy: P4
Distance: 0.0
[Map This Location](#)

Server Status: ssOK Process Status: psOK

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Case Number	Change Description	Category	Country	Example Address
ASCEND-4155	ReferenceImport Issue - brackets not handled	API	KR	Address1: "Hanil Group Building 191" Address2: "Hangangro 2ga Yongsan gu" PostalCode: "140-702" Country: "KR"

Before Image

Loqate Demonstration UI v2.46.1.16876-65b23cf DEBUG

3KR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3 []

Address2 [Hangangro 2ga Yongsan gu]

Address1 [Hanil Group Building 191]

Address4 []

AdministrativeArea []

PostalCode [140-702]

Country [KR]

MaxResults [2000] Parse Verify

EnhancedCountryTool [] Match Search

ActiveCassLibrary [] Format Geocode Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index [D] [1] Result Count [1]

Address Verification Code [V42-144-P6-080]

Organization [] Empty

SubBuilding [] Empty

Premise [191] Verified no change

Building [Ls Yongsantaweo] Verified large change

PostBox [] Empty

DependentThoroughfare [] Empty

Thoroughfare [Hangangno 2Il-Ga] Verified small change

DoubleDependentLocality [] Empty

DependentLocality [] Empty

Locality [Yongsan-Gu] Verified alias change

SubAdministrativeArea [] Empty

AdministrativeArea [Seoul] Added

SuperAdministrativeArea [] Empty

PostalCode [04386] Verified alias change

Country [Korea, Republic Of]

ISO2 [KR] ISO3 [KOR]

Unmatched []

Processed Time [00:00:04.83]

Cache Stats Shortcuts View All To Clipboard

Output

Address [Ls Yongsantaweo
191 Hangangno 2Il-Ga
Yongsan-Gu
Seoul 04386]

Latitude [] Longitude [] Accuracy [] Distance []

Map This Location

After Image

Loqate Demonstration UI v2.46.1.16876-65b23cf DEBUG

3KR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3 []

Address2 [Hangangro 2ga Yongsan gu]

Address1 [Hanil Group Building 191]

Address4 []

AdministrativeArea []

PostalCode [140-702]

Country [KR]

MaxResults [2000] Parse Verify

EnhancedCountryTool [] Match Search

ActiveCassLibrary [] Format Geocode Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index [D] [1] Result Count [1]

Address Verification Code [V42-144-P6-081]

Organization [] Empty

SubBuilding [] Empty

Premise [191] Verified no change

Building [Ls Yongsantaweo] Verified large change

PostBox [] Empty

DependentThoroughfare [] Empty

Thoroughfare [Hangangno 2Il-Ga] Verified small change

DoubleDependentLocality [] Empty

DependentLocality [] Empty

Locality [Yongsan-Gu] Verified alias change

SubAdministrativeArea [] Empty

AdministrativeArea [Seoul] Added

SuperAdministrativeArea [] Empty

PostalCode [04386] Verified alias change

Country [Korea, Republic Of]

ISO2 [KR] ISO3 [KOR]

Unmatched []

Processed Time [00:00:00.58]

Cache Stats Shortcuts View All To Clipboard

Output

Address [Ls Yongsantaweo
191 Hangangno 2Il-Ga
Yongsan-Gu
Seoul 04386]

Latitude [] Longitude [] Accuracy [] Distance []

Map This Location

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Case Number	Change Description	Category	Country	Example Address
CAS-97545-C6J2B8	Improve CASS2 AVC generation	CASS2 (API)	USA	Address1: 395 shelds dr Address2: other stuff Locality: Bennington AdministrativeArea: VT PostalCode: 05201

Before Image

Loqate Demonstration UI v2.47.0.16871-6caae19

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Organization []

Address1 [395 shelds dr]

Address2 [other stuff]

Locality [Bennington]

AdministrativeArea [VT]

PostalCode [05201]

Country [USA]

CertifiedCountryList [USA] Parse Verify

CassDebugFields [YES] Match Search

CassAVCEnable [YES] Format Geocode Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index [B] [1] Result Count [1]

Address Verification Code [V52-I55-P7-098]

Organization [] Empty

Sub-Building [OTHER STUFF] Verified no change

Premise [395] Verified no change

Building [] Empty

PostBox [] Empty

DependentThoroughfare [] Empty

Thoroughfare [SHIELDS DR] Verified small change

DoubleDependentLocality [] Empty

DependentLocality [] Empty

Locality [BENNINGTON] Verified no change

SubAdministrativeArea [BENNINGTON] Verified no change

AdministrativeArea [VT] Verified no change

SuperAdministrativeArea [] Empty

PostalCode [05201-9810] Verified small change

Country [UNITED STATES]

ISO2 [US] ISO3 [USA]

Unmatched []

Processed Time [00:00:00.00]

Cache Stats Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

After Image

Loqate Demonstration UI v2.46.0.9999-CASS2

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Organization []

Address1 [395 shelds dr]

Address2 [other stuff]

Locality [Bennington]

AdministrativeArea [VT]

PostalCode [05201]

Country [USA]

CertifiedCountryList [USA] Parse Verify

CassDebugFields [YES] Match Search

CassAVCEnable [YES] Format Geocode Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index [B] [1] Result Count [1]

Address Verification Code [V42-I44-P7-097]

Organization [] Empty

Sub-Building [] Empty

Premise [395] Verified no change

Building [] Empty

PostBox [] Empty

DependentThoroughfare [] Empty

Thoroughfare [SHIELDS DR] Verified small change

DoubleDependentLocality [] Empty

DependentLocality [] Empty

Locality [BENNINGTON] Verified no change

SubAdministrativeArea [BENNINGTON] Verified no change

AdministrativeArea [VT] Verified no change

SuperAdministrativeArea [] Empty

PostalCode [05201-9810] Verified small change

Country [UNITED STATES]

ISO2 [US] ISO3 [USA]

Unmatched []

Processed Time [00:00:01.85]

Cache Stats Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

Case Number	Change Description	Category	Country	Example Address
ASCEND-1763	CASS2 Cycle-O certification.	CASS2 (API)	USA	Address1: 395 shelds dr Address2: other stuff Locality: Bennington AdministrativeArea: VT PostalCode: 05201
Before		After		
_L	Verify:LOGOUTPUT=Yes Country CASS2	_L	Verify:LOGOUTPUT=Yes Country CASS2	
Address	395 SHIELDS DR OTHER STUFF BENNINGTON VT 05201-9810	Address	395 SHIELDS DR OTHER STUFF BENNINGTON VT 05201-9810	
Address1	395 SHIELDS DR	Address1	395 SHIELDS DR	
Address2	OTHER STUFF	Address2	OTHER STUFF	
Address3	BENNINGTON VT 05201-9810	Address3	BENNINGTON VT 05201-9810	
AddressFormat	DeliveryAddress Locality AdministrativeArea PostalCode	AddressFormat	DeliveryAddress Locality AdministrativeArea PostalCode	
AdministrativeArea	VT	AdministrativeArea	VT	
AQI	B	AQI	B	
AVC	V52-I55-P7-098	AVC	V42-I44-P7-097	
CarrierRoute	R002	CarrierRoute	R002	
CheckDigit	0	CheckDigit	0	
CMRAIndicator	N	CMRAIndicator	N	
CongressionalDistrict	01	CongressionalDistrict	01	
CountryName	UNITED STATES	CountryName	UNITED STATES	
DefaultFlag		DefaultFlag		
DeliveryAddress	395 SHIELDS DR OTHER STUFF	DeliveryAddress	395 SHIELDS DR OTHER STUFF	

DeliveryAddress1	395 SHIELDS DR	DeliveryAddress1	395 SHIELDS DR
DeliveryAddress2	OTHER STUFF	DeliveryAddress2	OTHER STUFF
DeliveryPointBarCode	950	DeliveryPointBarCode	950
DependentLocality		DependentLocality	
DPVConfirmedIndicator	Y	DNA	N
DPVFootnotes	AABB	DPVConfirmedIndicator	Y
DPVLACSIndicator		DPVFootnotes	AABB
eLOTCode	A	DPVLACSIndicator	
eLOTNumber	0012	DropSiteIndicator	N
EWSFlag		eLOTCode	A
FalsePositiveIndicator		eLOTNumber	0012
FIPSCountyCode	50003	EnhancedReturnCode	Y
ISO3166-2	US	EWSFlag	
ISO3166-3	USA	FalsePositiveIndicator	
ISO3166-N	840	FIPSCountyCode	50003
LACSLinkCode		ISO3166-2	US
LACSLinkIndicator		ISO3166-3	USA
LACSStatus		ISO3166-N	840
Locality	BENNINGTON	LACSLinkCode	
NoStatIndicator	Y	LACSLinkIndicator	
Organization		LACSStatus	
ParsedGarbage		Locality	BENNINGTON
PMBNumber		NDDFlag	N

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PMBType		NoStatIndicator	Y
PostalCode	05201-9810	NoStatReason	02
PostalCodePrimary	05201	NSL	N
PostalCodeSecondary	9810	Organization	
Premise	395	ParsedGarbage	
PremiseNumber	395	PBSAIndicator	N
PrimaryAddressLine	395 SHIELDS DR	PMBNumber	
PrivateMailbox		PMBType	
RecordType	S	POBoxOnly	N
ResidentialDelivery	N	PostalCode	05201-9810
ResultsString	AC10,AS01,AS17	PostalCodePrimary	05201
ReturnCode	31	PostalCodeSecondary	9810
SecondaryAddressLine	OTHER STUFF	Premise	395
SubAdministrativeArea	BENNINGTON	PremiseNumber	395
SubBuilding	OTHER STUFF	PrimaryAddressLine	395 SHIELDS DR
SubBuildingLeadingType		PrivateMailbox	
SubBuildingNumber		RecordType	S
SUITELinkFootnote		ResidentialDelivery	N
Thoroughfare	SHIELDS DR	ResultsString	AC10,AS01,AS17
ThoroughfareName	SHIELDS	ReturnCode	31
ThoroughfarePostDirection		SecondaryAddressLine	OTHER STUFF
ThoroughfarePreDirection		SubAdministrativeArea	BENNINGTON
ThoroughfareTrailingType	DR	SubBuilding	

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VacantIndicator	N	SubBuildingLeadingType	
		SubBuildingNumber	
		SUITELinkFootnote	
		Thoroughfare	SHIELDS DR
		ThoroughfareName	SHIELDS
		ThoroughfarePostDirection	
		ThoroughfarePreDirection	
		ThoroughfareTrailingType	DR
		ThrowBackIndicator	Y
		VacantIndicator	N
		Zip5Valid	Y

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Installation Instructions

With this release the install manager program has been updated to work with the **1.8 version of Java** support. Details of this update are below. Please remember to update both the program files and the reference data and **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 to ensure the latest dataset is installed properly.

Case Number	Change Description			Category
CAS-76283-B5W4W5 & CAS-90636-L6W9D8	Upgraded Install Manager's dependency libraries due to CVEs.			Install Manager
	Jar Name with Java 1.7	CVEs with Java 1.7	Jar Name with Java 1.8 (Upgraded version)	
	jre/lib/jfr.jar	CVE-2013-2380 / CVE-2011-3545 / CVE-2009-1006 CVE-2013-5782 / CVE-2013-5830 / CVE-2011-3551 CVE-2013-5802 / CVE-2011-3556 / CVE-2011-3557 CVE-2013-5804 / CVE-2013-5823 / CVE-2013-5825 CVE-2013-5780 / CVE-2011-3553 / CVE-2013-5797 CVE-2013-5803	jre/lib/jfr.jar	
jersey-core-1.8.jar	CVE-2014-3643	jersey-core-1.13.jar		

If you need any assistance with the upgrade of the Local API or the data update process, please contact [GBG Logate 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 LogateSupport@gbgplc.com.