

Loqate, A GBG Solution Release Notes

2020Q1.0 Major Release

GBG Loqate, 805 Veterans Blvd Ste 305, Redwood City CA 94063-1737, USA

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Case Resolutions

Please visit <http://support.loqate.com/2020q1-0-resolved-cases/> for a list of cases resolved in this release.

If you would like more details on any of the solved cases listed, please contact support@loqate.com for further information.

Install Manager Improvements

Product Code Updates

The USA and USA Territories product codes have been updated. Please use the license key to download the data through Install Manager. It is recommended to update the data, otherwise these countries may experience issues.

See table 1 below for the product code to countries mapping.

table 1.

Product (Product Code)	Countries post 2020Q1	Countries prior 2020Q1
USA Datasets (DS*USA)	US	AS,GU,PR,US,VI
North America Other Datasets (DS*NAO)	Legacy	FM,MH,MP,PM,PW,UM
USA Territories Datasets (DS*USAT)	AS,FM,GU,MH,MP,PM,PR,PW,UM,VI	-

IMPORTANT NOTE: This change is applicable for license keys that contain only USA products. All existing keys have already been updated, there is no further action required from customers.

This change does not affect any users whose license key includes Worldwide products.

Minimum API Requirement

Due to new changes made in the API, the following data will need to have the minimum API set to 2020Q1.0 release: Argentina, Australia, Brazil, Canada, Chile, Finland, Italy, Liechtenstein, Luxembourg, Mexico, Netherlands, Poland, Switzerland, and United States. It is recommended to update to the latest 2020Q1.0 API in order to view the latest updates for the knowledge files and the listed countries.

Install Manager

There is a new version of Install Manager available with this release, **version 11.0.0**. In Install Manager version 11.0.0, the md5sum hash values of datapacks and data files are written to text files at the end of download and installation. The new files containing md5sum hash values are located in both the download and data installation folders.

See Fig. 1 below for the file naming convention.

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Fig. 1:

Folder	Files	Notes
Download folder	datapacks_server_<timestamp>.txt	hash values from server for the datapacks selected for download is available in this file
	datapacks_local_<timestamp>.txt	hash values locally generated for the datapacks downloaded is available in this file
	datapacks_error_log_<timestamp>.txt	list of datapacks that failed installation as available will be listed in this file
Data Installation folder	data_server_<timestamp>.txt	hash values from server for the data files selected for download is available in this file
	data_local_<timestamp>.txt	hash values generated locally for data files installed is available in this file

IMPORTANT NOTE: The md5sums will only be available for products selected for download; not for all products listed in the license key.

Md5sums are not available for Certification products in this release.

This feature is not available for an offline installation scenario.

Local API Improvements

Local API Version Format

Starting with the 2020Q1.0 release, due to the upgrade in our current code management system, the format of Local API version will be changing to include a hyphen plus the version number at the end.

Please see example in Fig. 2 below for the new version format.

Fig. 2:

Release	Version
2019Q4.0	2.33.0.10255
2020Q1.0	2.34.0.14420-efa52b4

Revised Casing Behavior

IMPORTANT NOTE: In order to view the casing improvements, please update to the latest 2020Q1.0 API.

When using both the 2020Q1.0 API and Data, customers will see improvements to the way the Loqate engine handles casing on data in several countries. The casing improvements will allow users to override output casing.

The revised casing behavior is an improvement for all countries. However, for Argentina, Australia, Brazil, Canada, Italy, and Mexico, there maybe some more noticeable improvements where customers may see casing changes. These types of changes can include updated title cases.

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For example, in Argentina, Ciudad Autónoma **De** Buenos Aires will display as Ciudad Autónoma **de** Buenos Aires.

Duplicate Handling

The 2020Q1.0 release makes improvement to the duplicate handling option. The duplicate handling option will remove non-address elements or unverifiable address elements.

For example, if a postcode is in the address line 1 input field and the postcode input field; with the duplicate handling option, the Loqate engine will be able to identify the duplication.

Context Handling Improvement

In this release, the context handling makes improvements to the way in which PostBox and SubBuilding input fields are processed. The RefLex tool will now process PostBox and SubBuilding fields; the performance issue is also resolved in this release. Further improvements to context handling will be included for the next major release.

Certification Expiration Dates

If you have purchased either the CASS (USA) or AMAS (Australia) certified products, please be aware that the datasets have expiration dates set by the respective postal authorities. Please ensure that you have the latest library and data installed to avoid loss of service through these products.

	Loqate Release Date	Certification Expiry Date*
AMAS Data	2019-11-21	2020-03-31
CASS Data	2019-12-15	2020-03-29

**Certification Expiry Date is different from Loqate license key expiry date. The earliest expiry date will apply.*

Please check Install Manager for the latest versions of AMAS and CASS.

For more information on expiry date checking for CASS and AMAS, please refer "Usage expiration" section in <https://support.loqate.com/documentation/local-apis/cass-overview-2/> and <https://support.loqate.com/address-matching-approval-system-amas/>

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Country Improvement Program (PDH)

The following section will display the changes made during the country improvement program. For this quarter, we have released improved datasets for the countries: [Chile](#), [Liechtenstein](#), [Luxembourg](#), [Poland](#).

For more details on our Country Improvement Program, please visit the support site [here](#).

Current Countries Completed PDH

COUNTRY	Date PDH Completed	Verification Level
CHILE	2020-01	L4+
LIECHTENSTEIN	2020-01	L4+
LUXEMBOURG	2020-01	L4
POLAND	2020-01	L4+
ISRAEL	2019-11	L4
BELGIUM	2019-10	L4+
GREECE	2019-10	L4
INDIA	2019-10	L4
TURKEY	2019-10	L4
ARGENTINA	2019-07	L4
COLOMBIA	2019-07	L4
ITALY	2019-07	L4
THAILAND	2019-07	L4
PERU	2019-07	L4
SAN MARINO	2019-07	L4
HAITI	2019-07	L3-
NICARAGUA	2019-07	L3-
QATAR	2019-07	L4
UNITED ARAB EMIRATES	2019-07	L4
KOREA, REPUBLIC OF	2019-04	L4
PORTUGAL	2019-04	L4
SPAIN	2019-04	L4
MALAYSIA	2019-04	L4
PHILIPPINES	2019-04	L4
URUGUAY	2019-04	L4
ISLE OF MAN	2019-04	L5
GUERNSEY	2019-04	L5
JERSEY	2019-04	L5
LITHUANIA	2019-04	L4
SINGAPORE	2018-10	L4
SOUTH AFRICA	2018-10	L4
AUSTRIA	2018-10	L4

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COUNTRY	Date PDH Completed	Verification Level
BRAZIL	2018-07	L4
MEXICO	2018-07	L4
CZECH REPUBLIC	2018-04	L4
UNITED STATES	2018-01	L5
JAPAN	2018-01	L4
DENMARK	2018-01	L5
NORWAY	2018-01	L4
GERMANY	2017-11	L4
NETHERLANDS	2017-10	L4
NEW ZEALAND	2017-10	L5
FRENCH POLYNESIA	2017-10	L3
FRANCE	2017-07	L4
SWEDEN	2017-07	L4
CANADA	2017-04	L5
AUSTRALIA	2017-04	L5
SWITZERLAND	2017-01	L4
FINLAND	2017-01	L4
EGYPT	2017-01	L4
ANDORRA	2017-01	L4
ECUADOR	2017-01	L4

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Chile

Country Information	Description
ISO2	CL
ISO3	CHL
Address Format (Latin)	Organization PostBox Building SubBuilding Thoroughfare Premise DependentThoroughfare DoubleDependentLocality Locality DependentLocality
PDH	Yes
PDH completed date	2020Q1.0
New Source	No

	Pre-PDH	Post-PDH
Reference Data	rd_CL.lfs rd_CL_rg.lfs rd_CL_ai.lfs	rd_CL_ggg.lfs rd_CL_ggg_rg.lfs rd_CL_ggg_r.lfs rd_CL_vfy.lfs rd_CL_vfy_ai.lfs

The PDH process corrected alignment issues in both the AdministrativeArea and SubAdministrativeArea fields.

The AdministrativeArea will now output the standard form versus the abbreviated form. For example, Ar will now verify as Araucania.

See screenshots below for examples.

2019Q4.0

Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

MatchScore/AbsoluteTI

ForceCountry

DefaultCountry

Clear Options

Clear Input

Clear Output

Process

Output

Address Quality Index

Address Verification Code

Organization

SubBuilding

Premise

Building

PostBox

DependentThoroughfare

Thoroughfare

DoubleDependentLocality

DependentLocality

Locality

SubAdministrativeArea

AdministrativeArea

SuperAdministrativeArea

PostalCode

Country

ISO2

ISO3

Unmatched

Processed Time

Shortcuts

View All

To Clipboard

Output

Address

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK

Process Status: psOK

2019Q4.0 - AdministrativeArea is output in abbreviated form

2020Q1.0

Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

MatchScore/AbsoluteTI

ForceCountry

DefaultCountry

Clear Options

Clear Input

Clear Output

Process

Output

Address Quality Index

Address Verification Code

Organization

SubBuilding

Premise

Building

PostBox

DependentThoroughfare

Thoroughfare

DoubleDependentLocality

DependentLocality

Locality

SubAdministrativeArea

AdministrativeArea

SuperAdministrativeArea

PostalCode

Country

ISO2

ISO3

Unmatched

Processed Time

Shortcuts

View All

To Clipboard

Output

Address

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK

Process Status: psOK

2020Q1.0 - AdministrativeArea is standardized to full form

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ISO 27001:2005



UKAS



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Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address 14 Norte 1254

Locality Via Del Mar

AdministrativeArea VIÑA DEL MAR

PostalCode Chile

MatchScoreAbsoluteTI

ForceCountry

DefaultCountry

Clear Options Clear Input Clear Output Process

Output

Address Norte 14 Avenida Via Del Mar 1254 Via Del Mar

Latitude

Longitude

Accuracy

Distance

Map This Location

Address Quality Index 1 Result 1 Result Count 1

Address Verification Code V42:155-P3-089

Organization Empty

Sub-Building 14 Identified no change

Premise 1254 Verified no change

Building Norte Identified context

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Avenida Via Del Mar Verified large change

DoubleDependentLocality Empty

DependentLocality Empty

Locality Via Del Mar Verified alias change

Sub-AdministrativeArea Valparaíso Added

AdministrativeArea Quinta Added

SuperAdministrativeArea Empty

PostalCode 2520000 Added

Country Chile

ISO2 CL ISO3 CHL

Unmatched

Processed Time 00:00:00.02

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

2019Q4.0 - The Thoroughfare is incorrectly verified

Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address 14 Norte 1254

Locality Via Del Mar

AdministrativeArea VIÑA DEL MAR

PostalCode Chile

MatchScoreAbsoluteTI

ForceCountry

DefaultCountry

Clear Options Clear Input Clear Output Process

Output

Address Calle 14 Norte 1254 Via Del Mar

Latitude

Longitude

Accuracy

Distance

Map This Location

Address Quality Index E Result 1 Result Count 1

Address Verification Code V42:144-P3-074

Organization Empty

Sub-Building Empty

Premise 1254 Verified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Calle 14 Norte Verified large change

DoubleDependentLocality Empty

DependentLocality Empty

Locality Via Del Mar Verified alias change

Sub-AdministrativeArea Valparaíso Added

AdministrativeArea Valparaíso Verified large change

SuperAdministrativeArea Empty

PostalCode 2520000 Added

Country Chile

ISO2 CL ISO3 CHL

Unmatched

Processed Time 00:00:00.00

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

2020Q1.0 - The Thoroughfare is verified correctly

Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address 18 de septiembre

Locality chilán

AdministrativeArea Region del Bío Bío

PostalCode 3780000

Country Chile

MatchScoreAbsoluteTI

ForceCountry

DefaultCountry

Clear Options Clear Input Clear Output Process

Output

Address 18 De Septiembre Chilán

Latitude

Longitude

Accuracy

Distance

Map This Location

Address Quality Index 1 Result 1 Result Count 1

Address Verification Code P22:133-P6-100

Organization Empty

Sub-Building Empty

Premise Empty

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare 18 De Septiembre Identified no change

DoubleDependentLocality Empty

DependentLocality Empty

Locality Chilán Verified no change

Sub-AdministrativeArea Ñuble Added

AdministrativeArea Bío Bío Verified no change

SuperAdministrativeArea Empty

PostalCode 3780000 Verified no change

Country Chile

ISO2 CL ISO3 CHL

Unmatched Region Del

Processed Time 00:00:00.02

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

2019Q4.0 - Ñuble returned in SubAdministrativeArea field.

Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address 18 de septiembre

Locality chilán

AdministrativeArea Region del Bío Bío

PostalCode 3780000

Country Chile

MatchScoreAbsoluteTI

ForceCountry

DefaultCountry

Clear Options Clear Input Clear Output Process

Output

Address Calle 18 De Septiembre Chilán

Latitude

Longitude

Accuracy

Distance

Map This Location

Address Quality Index 1 Result 1 Result Count 1

Address Verification Code P22:133-P6-080

Organization Empty

Sub-Building Empty

Premise Empty

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Calle 18 De Septiembre Verified large change

DoubleDependentLocality Empty

DependentLocality Empty

Locality Chilán Verified no change

Sub-AdministrativeArea Diguillín Added

AdministrativeArea Ñuble Verified large change

SuperAdministrativeArea Empty

PostalCode 3780000 Verified no change

Country Chile

ISO2 CL ISO3 CHL

Unmatched Region Del

Processed Time 00:00:00.01

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

2020Q1.0 - After realignment, Ñuble corrected to AdministrativeArea field.

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Liechtenstein

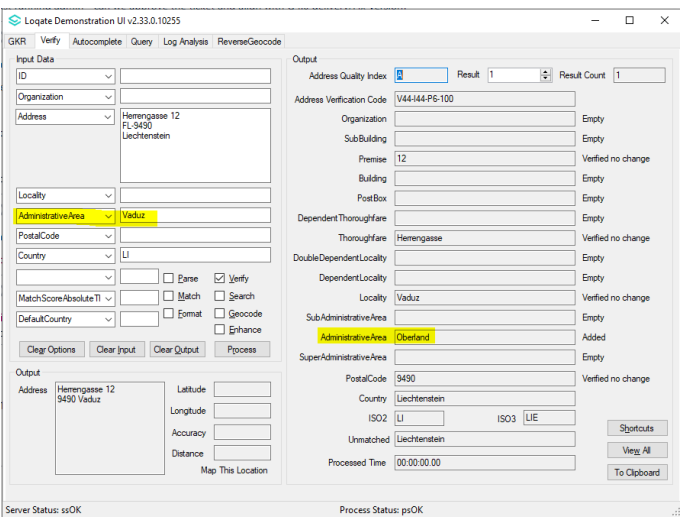
Country Information	Description
ISO2	LI
ISO3	LIE
Address Format (Latin)	Organization PostBox SubBuilding Thoroughfare Premise DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality
PDH	Yes
PDH completed date	2020Q1.0
New Source	No

	Pre-PDH	Post-PDH
Reference Data	rd_LI.lfs rd_LI_ai.lfs rd_LI_rg.lfs rd_LI_geop.lfs rd_LI_geop_rg.lfs	rd_LI_vfy.lfs rd_LI_vfy_ai.lfs rd_LI_ggg.lfs rd_LI_ggg_rg.lfs

The SuperAdministrativeArea and AdministrativeArea alignment issues are resolved with the 2020Q1.0 PDH process for Liechtenstein.

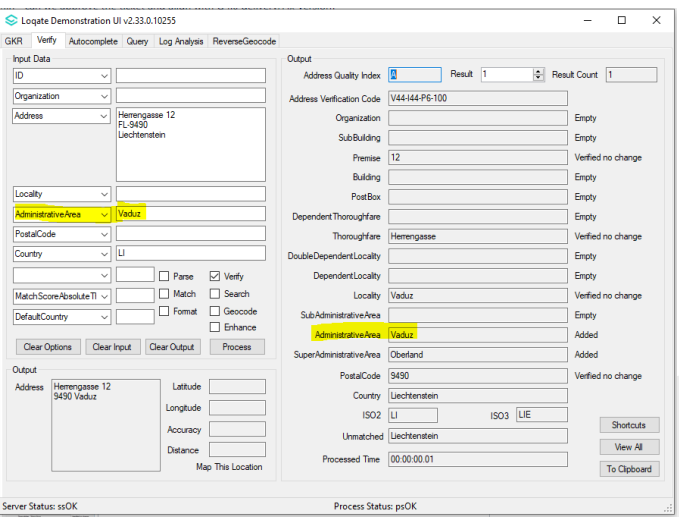
See screenshots below for examples

2019Q4.0



2019Q4.0 - Oberland returned in AdministrativeArea.

2020Q1.0



2020Q1.0 - After re-alignment, Oberland corrected to SuperAdministrativeArea field.

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Luxembourg

Country Information	Description
ISO2	LU
ISO3	LUX
Address Format (Latin)	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality
PDH	Yes
PDH completed date	2020Q1.0
New Source	No

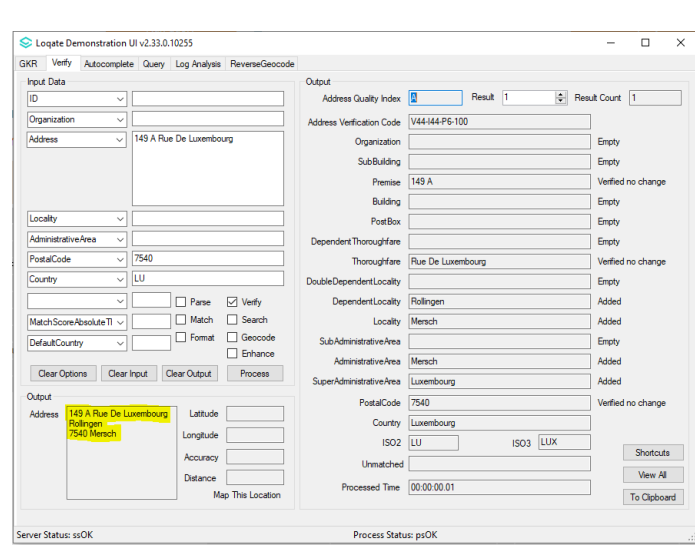
	Pre-PDH	Post-PDH
Reference Data	rd_LU_rg.lfs rd_LU.lfs rd_LU_geop_rg.lfs rd_LU_geop.lfs rd_LU_ai.lfs	rd_LU_vfy.lfs rd_LU_vfy_ai.lfs rd_LU_ggg.lfs rd_LU_ggg_rg.lfs

PDH resolves realignment within the DependentLocality and Locality fields in Luxembourg.

The PostalCode field will now return the Postcode preceded by "L-" where applicable.

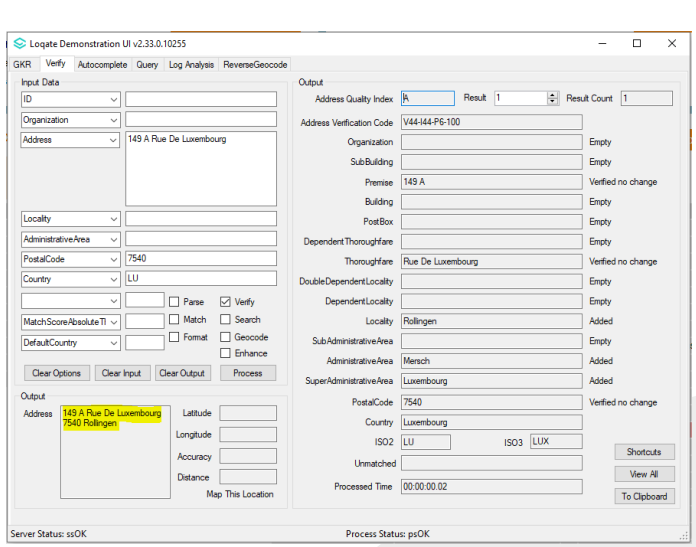
See screenshots below for examples

2019Q4.0



2019Q4.0 - The Rollingen returned in DependentLocality field.

2020Q1.0



2020Q1.0 - After re-alignment, Rollingen corrected to Locality field.

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Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

☐ Parse ☒ Verify

☐ Match ☐ Search

☐ Format ☐ Geocode

☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index Result Result Count

Address Verification Code

Organization

SubBuilding Identified no change

Premise

Building Identified no change

PostBox

DependentThoroughfare

Thoroughfare Identified context

DoubleDependentLocality

DependentLocality

Locality Identified no change

SubAdministrativeArea

AdministrativeArea

SuperAdministrativeArea

PostalCode Verified no change

Country

ISO2 ISO3

Unmatched

Processed Time

Latitude

Longitude

Accuracy

Distance

Map This Location

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

2019Q4.0 - Address format does not have postcode prefix "L-"

Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

☐ Parse ☒ Verify

☐ Match ☐ Search

☐ Format ☐ Geocode

☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index Result Result Count

Address Verification Code

Organization

SubBuilding Identified no change

Premise

Building Identified no change

PostBox

DependentThoroughfare

Thoroughfare Identified context

DoubleDependentLocality

DependentLocality

Locality Identified no change

SubAdministrativeArea

AdministrativeArea Added

SuperAdministrativeArea

PostalCode Verified no change

Country

ISO2 ISO3

Unmatched

Processed Time

Latitude

Longitude

Accuracy

Distance

Map This Location

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

2020Q1.0 - Postcode preceded by "L-" returned in the address format

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Poland

Country Information	Description
ISO2	PL
ISO3	POL
Address Format (Latin)	Organization PostBox SubBuilding Building Thoroughfare Premise DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality
PDH	Yes
PDH completed date	2020Q1.0
New Source	No

	Pre-PDH	Post-PDH
Reference Data	rd_PL.lfs rd_PL_rg.lfs rd_PL_geop_rg.lfs rd_PL_geop.lfs rd_PL_ai.lfs	rd_PL_ggg.lfs rd_PL_ggg_rg.lfs rd_PL_ggg_r.lfs rd_PL_vfy_ai.lfs rd_PL_vfy.lfs

Through PDH, when applicable, Rural Localities will now include the suffix "M.".

See screenshots below for examples

2019Q4.0	2020Q1.0
Loqate Demonstration UI v2.33.0.10255 GKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data ID Organization Address ul Zrwna 17 Locality JASLO AdministrativeArea PostalCode Country Poland Output Script ☐ Base ☒ Verify ForceCountry ☐ Match ☐ Search DefaultCountry ☐ Format ☐ Enhance Clear Options Clear Input Clear Output Process Output Address Ulica Zrwna 17 38-200 Jaslo Latitude Longitude Accuracy Distance Map This Location Server Status: ssOK Process Status: psOK 2019Q4.0 - Urban Gminas does not have the suffix "M." to distinguish between Rural Gminas	Loqate Demonstration UI v2.33.0.10255 GKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data ID Organization Address ul Zrwna 17 Locality JASLO M AdministrativeArea PostalCode Country Poland Output Script ☐ Base ☒ Verify ForceCountry ☐ Match ☐ Search DefaultCountry ☐ Format ☐ Enhance Clear Options Clear Input Clear Output Process Output Address Ulica Zrwna 17 38-200 JASLO M Latitude Longitude Accuracy Distance Map This Location Server Status: ssOK Process Status: psOK 2020Q1.0 - Urban Gminas now has the suffix "M.", Premise number can now be verified as there is no ambiguity

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Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

PreferPrimary/ValidAlias ☐ Yes ☐ Parse ☒ Verify

ForceCountry ☐ Match ☐ Search

DefaultCountry ☐ Format ☐ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index Result Result Count

Address Verification Code V44-I44-P4-083

Organization

Sub-Building

Premise Verified no change

Building

PostBox

Dependent Thoroughfare

Thoroughfare Verified no change

DoubleDependentLocality

DependentLocality Added

Locality Verified no change

Sub-AdministrativeArea

AdministrativeArea Verified small change

SuperAdministrativeArea

PostalCode Verified large change

Country

ISO2 ISO3

Unmatched

Processed Time

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

2019Q4.0 - Obsolete thoroughfare name verified.

Loqate Demonstration UI v2.33.0.10255

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

PreferPrimary/ValidAlias ☐ Yes ☐ Parse ☒ Verify

ForceCountry ☐ Match ☐ Search

DefaultCountry ☐ Format ☐ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index Result Result Count

Address Verification Code V44-I44-P4-083

Organization

Sub-Building

Premise Verified no change

Building

PostBox

Dependent Thoroughfare

Thoroughfare Verified alias change

DoubleDependentLocality

DependentLocality Added

Locality Verified no change

Sub-AdministrativeArea Added

AdministrativeArea Verified small change

SuperAdministrativeArea

PostalCode Verified large change

Country

ISO2 ISO3

Unmatched

Processed Time

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

2020Q1.0 - Obsolete thoroughfare name corrected to New thoroughfare name

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Knowledge Base & Reference Data Updates

The table below shows which countries have been updated, and how, in this release.
If there is a PDH in the reference data column, this shows a country was included in the country improvement project.

- Reference Data = 176
- Lexicons = 9
- Context Rules = None
- New PDH Countries = 4 (Chile, Liechtenstein, Luxembourg, Poland)

COUNTRY NAME	ISO CODE	CONTEXT RULES	LEXICONS	REFERENCE DATA
ANTIGUA AND BARBUDA	AG			X
ANGUILLA	AI			X
ALBANIA	AL			X
ARMENIA	AM			X
ANGOLA	AO			X
AMERICAN SAMOA	AS			X
AUSTRALIA	AU		X	X
ARUBA	AW			X
AZERBAIJAN	AZ			X
BOSNIA AND HERZEGOVINA	BA			X
BARBADOS	BB			X
BANGLADESH	BD			X
BURKINA FASO	BF			X
BENIN	BJ			X
SAINT BARTHÉLEMY	BL			X
BERMUDA	BM			X
BRUNEI DARUSSALAM	BN			X
BOLIVIA, PLURINATIONAL STATE OF	BO			X
BONAIRE, SINT EUSTATIUS AND SABA	BQ			X
BAHAMAS	BS			X
BHUTAN	BT			X
BELIZE	BZ			X
CANADA	CA			X
COCOS (KEELING) ISLANDS	CC			X
CONGO, THE DEMOCRATIC REPUBLIC OF THE	CD			X
CENTRAL AFRICAN REPUBLIC	CF			X
CONGO	CG			X
SWITZERLAND	CH			X
Côte d'Ivoire	CI			X
COOK ISLANDS	CK			X
CHILE	CL		X	PDH
CAMEROON	CM			X
COSTA RICA	CR			X
CUBA	CU			X
CAPE VERDE	CV		X	X

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COUNTRY NAME	ISO CODE	CONTEXT RULES	LEXICONS	REFERENCE DATA
CHRISTMAS ISLAND	CX			X
CYPRUS	CY			X
DJIBOUTI	DJ			X
DOMINICA	DM			X
DOMINICAN REPUBLIC	DO			X
ALGERIA	DZ			X
ESTONIA	EE			X
WESTERN SAHARA	EH			X
ERITREA	ER			X
ETHIOPIA	ET			X
FINLAND	FI		X	X
FIJI	FJ			X
FALKLAND ISLANDS (MALVINAS)	FK			X
MICRONESIA, FEDERATED STATES OF	FM			X
FAROE ISLANDS	FO			X
FRANCE	FR			X
GABON	GA			X
UNITED KINGDOM	GB			X
GRENADA	GD			X
FRENCH GUIANA	GF			X
GUERNSEY	GG			X
GHANA	GH			X
GIBRALTAR	GI			X
GREENLAND	GL			X
GAMBIA	GM			X
GUINEA	GN			X
GUADELOUPE	GP			X
EQUATORIAL GUINEA	GQ			X
SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	GS			X
GUATEMALA	GT			X
GUAM	GU			X
GUINEA-BISSAU	GW			X
GUYANA	GY			X
HONDURAS	HN			X
HUNGARY	HU			X
ISLE OF MAN	IM			X
INDIA	IN			X
BRITISH INDIAN OCEAN TERRITORY	IO			X
IRAQ	IQ			X
IRAN, ISLAMIC REPUBLIC OF	IR			X
JERSEY	JE			X
KENYA	KE			X
KYRGYZSTAN	KG			X

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COUNTRY NAME	ISO CODE	CONTEXT RULES	LEXICONS	REFERENCE DATA
CAMBODIA	KH			X
KIRIBATI	KI			X
COMOROS	KM			X
SAINT KITTS AND NEVIS	KN			X
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	KP			X
KUWAIT	KW			X
CAYMAN ISLANDS	KY			X
LAO PEOPLE'S DEMOCRATIC REPUBLIC	LA			X
LEBANON	LB			X
SAINT LUCIA	LC			X
LIECHTENSTEIN	LI		X	PDH
SRI LANKA	LK			X
LIBERIA	LR			X
LESOTHO	LS			X
LUXEMBOURG	LU		X	PDH
LIBYA	LY			X
MOROCCO	MA			X
MONACO	MC			X
MOLDOVA, REPUBLIC OF	MD			X
MONTENEGRO	ME			X
SAINT MARTIN (FRENCH PART)	MF			X
MADAGASCAR	MG			X
MARSHALL ISLANDS	MH			X
MACEDONIA (NORTH MACEDONIA)	MK			X
MALI	ML			X
MYANMAR	MM			X
MONGOLIA	MN			X
NORTHERN MARIANA ISLANDS	MP			X
MARTINIQUE	MQ			X
MAURITANIA	MR			X
MONTSERRAT	MS			X
MALTA	MT			X
MAURITIUS	MU			X
MALDIVES	MV			X
MALAWI	MW			X
MALAYSIA	MY		X	
NAMIBIA	NA			X
NEW CALEDONIA	NC			X
NIGER	NE			X
NORFOLK ISLAND	NF			X
NEPAL	NP			X
NAURU	NR			X
NIUE	NU			X

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COUNTRY NAME	ISO CODE	CONTEXT RULES	LEXICONS	REFERENCE DATA
OMAN	OM			X
PAPUA NEW GUINEA	PG			X
PAKISTAN	PK			X
POLAND	PL		X	PDH
SAINT PIERRE AND MIQUELON	PM			X
PITCAIRN	PN			X
PUERTO RICO	PR			X
PALESTINE, STATE OF	PS			X
PORTUGAL	PT			X
PALAU	PW			X
PARAGUAY	PY			X
Réunion	RE			X
ROMANIA	RO			X
RWANDA	RW			X
SOLOMON ISLANDS	SB			X
SEYCHELLES	SC			X
SUDAN	SD			X
SAINT HELENA, ASCENSION AND TRISTAN DA CUNHA	SH			X
SLOVENIA	SI			X
SVALBARD AND JAN MAYEN	SJ			X
SIERRA LEONE	SL			X
SENEGAL	SN			X
SOMALIA	SO			X
SURINAME	SR			X
SOUTH SUDAN, REPUBLIC OF	SS			X
SAO TOME AND PRINCIPE	ST			X
EL SALVADOR	SV			X
SYRIAN ARAB REPUBLIC	SY			X
ESWATINI	SZ			X
TURKS AND CAICOS ISLANDS	TC			X
CHAD	TD			X
FRENCH SOUTHERN TERRITORIES	TF			X
TOGO	TG			X
TAJIKISTAN	TJ			X
TOKELAU	TK			X
TIMOR-LESTE	TL			X
TURKMENISTAN	TM			X
TONGA	TO			X
TRINIDAD AND TOBAGO	TT			X
TUVALU	TV			X
TANZANIA, UNITED REPUBLIC OF	TZ			X
UKRAINE	UA			X
UNITED STATES MINOR OUTLYING ISLANDS	UM			X

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COUNTRY NAME	ISO CODE	CONTEXT RULES	LEXICONS	REFERENCE DATA
UNITED STATES	US		X	X
UZBEKISTAN	UZ			X
HOLY SEE (VATICAN CITY STATE)	VA			X
SAINT VINCENT AND THE GRENADINES	VC			X
VIRGIN ISLANDS, BRITISH	VG			X
VIRGIN ISLANDS, U.S.	VI			X
VANUATU	VU			X
WALLIS AND FUTUNA	WF			X
SAMOA	WS			X
YEMEN	YE			X
MAYOTTE	YT			X
ZAMBIA	ZM			X
ZIMBABWE	ZW			X

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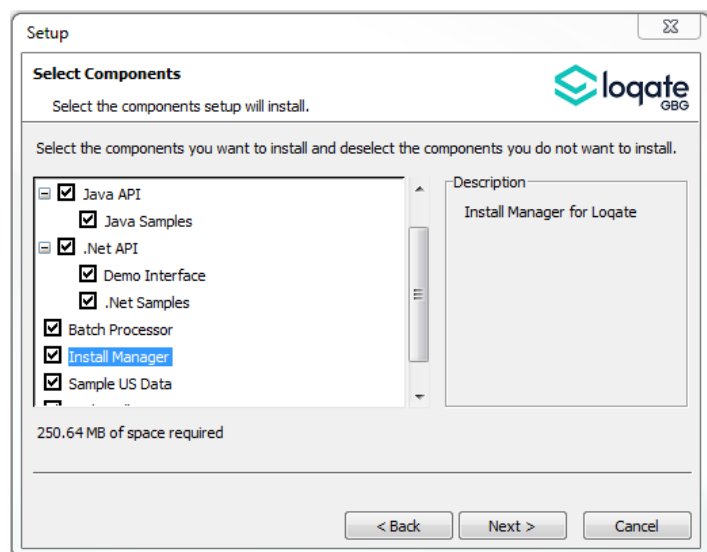
Installation Instructions

The 2020Q1.0 release makes improvements to the performance of the verification process and the quality of the results.

Please remember to update both the program files and the reference data. The improvements are tied to the data in the Global Knowledge Repository and the Local API. 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 support@loqate.com.

[GBG Loqate data packs](#) can be downloaded and installed using the Install Manager. This is a component you will need to select during the installation of the Local API as shown below.



Standard GBG Loqate Installation (Multi-threaded)

1. Download the contents of the [2020Q1.0/AppInstaller](#) directory.
2. Check the MD5 checksums to ensure that the download has been successful.
3. Run the relevant Loqate Local API installer. Please note you may need to add execute privileges to the relevant installer when using Linux. Make sure the option "Install Manager" is selected for installation.
4. Execute the Install Manager script (InstallManager.bat on Windows and InstallManager.sh on other Linux/Unix platforms) and install the data. For further details, please review the 2020Q1.0 Installation Instructions document.
5. Run the relevant Global Knowledge Repository installer. Please note you may need to add execute privileges when using Linux.

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Single-threaded GBG Loqate Installation

1. Download the contents of the [2020Q1.0/STAppInstaller](#) directory.
2. Check the MD5 checksums to ensure that the download has been successful.
3. Run the relevant Loqate Local API installer. Please note you may need to add execute privileges to the relevant installer when using Linux. Make sure the option "Install Manager" is selected for installation.
4. Execute the InstallManager script (InstallManager.bat on Windows and InstallManager.sh on other Linux/Unix platforms) and install the data. For further details, please review the 2020Q1.0 Installation Instructions document.
5. Run the relevant Global Knowledge Repository installer. Please note you may need to add execute privileges when using Linux.

SFTP Server Contents

On the GBG Loqate SFTP server, you will find the following items:

- [AppInstaller](#): The folder which contains the Loqate Local API installer
- loqate_installer_aix: The AIX Loqate Local API installer
- loqate_installer_hpux: The HP-UX Loqate Local API installer
- loqate_installer_solaris_x86: The Solaris x86 Loqate Local API installer
- loqate_installer_sparc: The Solaris SPARC Loqate Local API installer
- loqate_installer_x86: The Linux 32-bit Loqate Local API installer
- loqate_installer_x86-cpp5: The Linux 32-bit C++ v5 Local API Loqate library installer
- loqate_installer_x86_64: The Linux 64-bit Loqate Local API installer
- setup.exe: The Windows 32-bit Loqate Local API installer
- setup_x64.exe: The Windows 64-bit Loqate Local API installer
- AppInstaller-md5.txt : Contains the checksums of the files in the folder
- [STAppInstaller](#): The folder which contains the Loqate Local API installer for single-threaded libraries
- loqate_installer_aix: The AIX Loqate Local API installer
- loqate_installer_hpux: The HP-UX Loqate Local API installer
- loqate_installer_solaris_x86: The Solaris x86 Loqate Local API installer
- loqate_installer_sparc: The Solaris SPARC Loqate Local API installer
- loqate_installer_x86: The Linux 32-bit Loqate Local API installer
- loqate_installer_x86-cpp5: The Linux 32-bit C++ v5 Local API Loqate library installer
- loqate_installer_x86_64: The Linux 64-bit Loqate Local API installer
- AppInstaller-md5.txt : Contains the checksums of the files in the folder
- STAppInstaller-md5.txt : Contains the checksums of the files in the folder
- [OSGi](#): The folder which contains the OSGi bundle for the Loqate Local API
- loqate-osgi-1.0.0.0.jar: The OSGi bundle for Loqate Local API installer
- osgi-md5.txt: Contains the checksums of the files in the folder
- [Rawfiles](#): The folder which contains the Loqate Local API files in the following subfolders
- aix: The AIX Loqate Local API library files
- hp-ux: The HP-UX Loqate Local API library files
- solaris_x86: The Solaris x86 Loqate Local API library files
- sparc: The Solaris SPARC Loqate Local API library files
- linux32: The Linux 32-bit Loqate Local API library files
- linux32-cpp5: The Linux 32-bit C++ v5 Loqate Local API library files
- linux64: The Linux 64-bit Loqate Local API library files
- win64: The Windows 32-bit Loqate Local API library files
- win32: The Windows 64-bit Loqate Local API library files

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Need Help?

Many answers to your questions may be found in our support pages. For additional information, please visit the support site. Below are a list of useful links.

- **Support Home Page:** <http://support.loqate.com>
- **Getting Started:** <https://support.loqate.com/getting-started/>
- **Local APIs:** <http://support.loqate.com/support/local-apis/>
- **Field Descriptions:** <http://support.loqate.com/support/fielddescrip/>
- **Server and Process Options:** <http://support.loqate.com/support/options/>
- **System Requirements:** <http://support.loqate.com/system-requirements/>

If you have any general questions, issues, or enhancement request you'd like to share with us, please contact our support team at: support@loqate.com.

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