

# GBG Loqate Release Notes

## 2016Q4.0

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## Table of Contents

<b>Case Resolutions</b> .....	<b>3</b>
<b>Local API Updates</b> .....	<b>3</b>
Introducing Auto-Complete.....	3
Reduced Friction w/ Verification .....	3
Flexible Address Entry .....	4
<b>Global Knowledge Repository (GKR) Updates</b> .....	<b>4</b>
Eircode Geocodes (ECAD).....	4
<b>Installation Instructions</b> .....	<b>14</b>
Standard GBG Loqate Installation (Multi-threaded) .....	14
Single-threaded GBG Loqate Installation .....	15
FTP Server Contents.....	15
<b>Need Help?</b> .....	<b>16</b>

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## Case Resolutions

Please visit [http://www.loqate.com/support/releasenotes/2016Q4\\_0cases](http://www.loqate.com/support/releasenotes/2016Q4_0cases) 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](mailto:support@loqate.com) for further information.

## Local API Updates

### Introducing Auto-Complete

GBG Loqate has a new auto-complete solution for real-time address validation. This solution will perform a single-line word-based search across multiple address components in our reference data.

Initial release will include support for the following four countries. GBG Loqate will continue adding support to more countries in the upcoming quarters with the goal of achieving global coverage.





- United States
- United Kingdom
- Canada
- Australia

### Reduced Friction w/ Verification

Auto-Complete reduces data entry friction by eliminating the need for users to enter a full address while ensuring the captured data is verified.





After each keystroke, Auto-Complete will return a list of addresses it thinks the user is attempting to enter in the form of a picklist.

Address line 1  
572 th|

-  572 Thacher St, Attleboro MA 02703
-  572 Thames St, Bristol RI 02809
-  572 Thames St, Newport RI 02840
-  572 Thain Rd, Contoocook NH 03229


As the user continues entering more characters, the picklist will continue to refine with more accurate and relevant addresses

Address line 1  
572 Thistle|

-  572 Thistle St, Upton ME 04261
-  572 Thistle Hill Rd, Marshfield VT 05658
-  572 Thistle St, Penn Yan NY 14527
-  572 Thistle Dr, Pennsburg PA 18073

Before the complete address is entered, the final address can be selected from the picklist.

Address line 1  
572 Thistle a

-  572 Thistle Ave, Columbus OH 43230-4868

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## Flexible Address Entry

Auto-Complete's filtering technology allows a user to begin entering an address from any component while providing a natural workflow to continue the query to a complete address.

A user can begin entering their address from any address component. In the UK, for example, address entry commonly begins with the postal code.

Address line 1  
e27j

- ✉ London, E2 7JB
- ✉ London, E2 7JE
- ✉ London, E2 7JQ
- ✉ London, E2 7JP

Using our filtering technology, a user can select a partial address from the picklist and continue their entry.

Address line 1  
7

📍 7 Boundary Street, London, E2 7JE

BOUNDARY STREET ✕ LONDON ✕ LONDON ✕ E2 7JE ✕

Additional product and technical details can be found in our Auto-Complete Product Documentation. Please contact your account manager if you are interested in learning more.

## Global Knowledge Repository (GKR) Updates

### Eircode Geocodes (ECAD)

In this release, we have added the Eircode geocode data points to our Premium Ireland data pack.

Ireland launched a new postal code system in 2015 named Eircode to combat difficulties and inefficiencies in the old Irish addressing system. Over 35% of addresses in Ireland share the same address with at least one other property, making it difficult to accurately identify the true location of an address. Eircode was designed to overcome this problem by assigning a unique Eircode to each residential and business address in Ireland.

The lexicon file for premium Ireland data is [lx\\_IE\\_P.lfs](#).

When using premium Ireland data,

- it is important to make sure that [lx\\_IE\\_P.lfs](#) is present in the data folder and
- also to ensure that the regular Ireland lexicon file [lx\\_IE.lfs](#) is not present in the data folder.

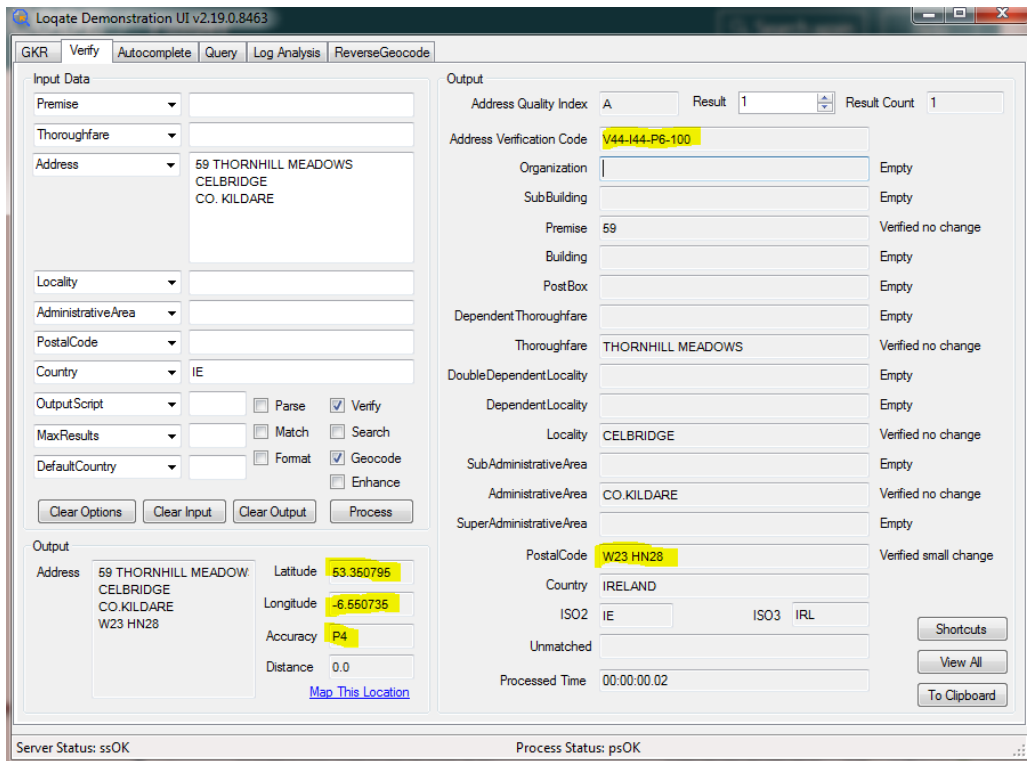
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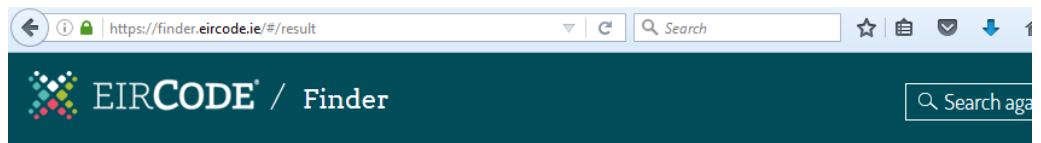
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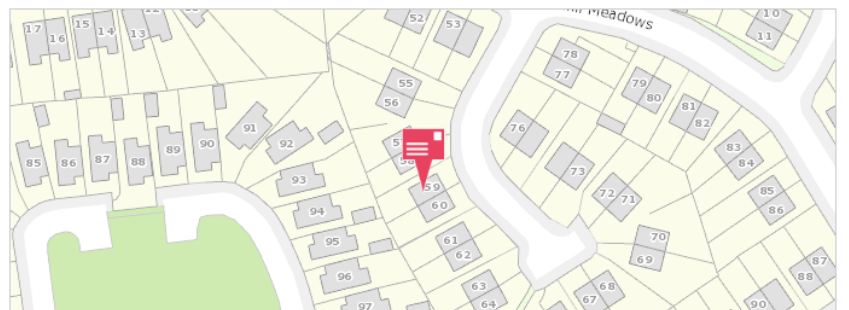
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The screen shot below demonstrates an example using the latest reference data



The screen shot below demonstrates the same example on EIRCODE website



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The table below shows which countries have been updated, and how, in this release.

- Reference Data = 212 countries
- Lexicons = 13 countries
- Context Rules = 3 countries

For the complete table listing all countries, please visit <http://www.loqate.com/support/releasenotes/>.

Country Name	ISO Code	Context Rules	Lexicons	Reference Data
AFGHANISTAN	AF			X
ÅLAND ISLANDS	AX			X
ALBANIA	AL			X
ALGERIA	DZ			X
AMERICAN SAMOA	AS			X
ANDORRA	AD			X
ANGOLA	AO			X
ANGUILLA	AI			X
ANTARCTICA	AQ			X
ANTIGUA AND BARBUDA	AG			X
ARGENTINA	AR			
ARMENIA	AM			X
ARUBA	AW			X
AUSTRALIA	AU		X	X
AUSTRIA	AT			X
AZERBAIJAN	AZ		X	X
BAHAMAS	BS			X
BAHRAIN	BH			X
BANGLADESH	BD			X
BARBADOS	BB			X
BELARUS	BY			
BELGIUM	BE		X	
BELIZE	BZ			X
BENIN	BJ			X
BERMUDA	BM			X
BHUTAN	BT			X
BOLIVIA, PLURINATIONAL STATE OF	BO			X
BONAIRE, SINT EUSTATIUS AND SABA	BQ			
BOSNIA AND HERZEGOVINA	BA			X
BOTSWANA	BW			X
BOUVET ISLAND	BV			X
BRAZIL	BR		X	

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Country Name	ISO Code	Context Rules	Lexicons	Reference Data
BRITISH INDIAN OCEAN TERRITORY	IO			X
BRUNEI DARUSSALAM	BN			X
BULGARIA	BG			
BURKINA FASO	BF			X
BURUNDI	BI			X
CAMBODIA	KH			X
CAMEROON	CM			X
CANADA	CA		X	X
CAPE VERDE	CV			X
CAYMAN ISLANDS	KY			X
CENTRAL AFRICAN REPUBLIC	CF			X
CHAD	TD			X
CHILE	CL			X
CHINA	CN		X	X
CHRISTMAS ISLAND	CX			X
COCOS (KEELING) ISLANDS	CC			X
COLOMBIA	CO			
COMOROS	KM			X
CONGO	CG			X
CONGO, THE DEMOCRATIC REPUBLIC OF THE	CD			X
COOK ISLANDS	CK			X
COSTA RICA	CR			X
CÔTE D'IVOIRE	CI			X
CROATIA	HR			
CUBA	CU	X	X	X
CURAÇAO	CW			X
CYPRUS	CY			
CZECH REPUBLIC	CZ			X
DENMARK	DK			X
DJIBOUTI	DJ			X
DOMINICA	DM			X
DOMINICAN REPUBLIC	DO			
ECUADOR	EC			
EGYPT	EG			X
EL SALVADOR	SV			X
EQUATORIAL GUINEA	GQ			X

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Country Name	ISO Code	Context Rules	Lexicons	Reference Data
ERITREA	ER			X
ESTONIA	EE			X
ETHIOPIA	ET			X
FALKLAND ISLANDS (MALVINAS)	FK			X
FAROE ISLANDS	FO			X
FIJI	FJ			X
FINLAND	FI			
FRANCE	FR			
FRENCH GUIANA	GF			X
FRENCH POLYNESIA	PF			X
FRENCH SOUTHERN TERRITORIES	TF			X
GABON	GA			X
GAMBIA	GM			X
GEORGIA	GE			X
GERMANY	DE			X
GHANA	GH			X
GIBRALTAR	GI			X
GREECE	GR			
GREENLAND	GL			X
GRENADA	GD			X
GUADELOUPE	GP			X
GUAM	GU			X
GUATEMALA	GT			X
GUERNSEY	GG			X
GUINEA	GN			X
GUINEA-BISSAU	GW			X
GUYANA	GY			X
HAITI	HT			X
HEARD ISLAND AND MCDONALD ISLANDS	HM			X
HOLY SEE (VATICAN CITY STATE)	VA			X
HONDURAS	HN			X
HONG KONG	HK			X
HUNGARY	HU			X
ICELAND	IS			X
INDIA	IN			X
INDONESIA	ID			

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Country Name	ISO Code	Context Rules	Lexicons	Reference Data
IRAN, ISLAMIC REPUBLIC OF	IR			X
IRAQ	IQ			X
IRELAND	IE	X	X	X
ISLE OF MAN	IM			X
ISRAEL	IL			X
ITALY	IT			X
JAMAICA	JM			
JAPAN	JP			X
JERSEY	JE			X
JORDAN	JO			X
KAZAKHSTAN	KZ	X	X	
KENYA	KE			X
KIRIBATI	KI			X
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	KP			X
KOREA, REPUBLIC OF	KR			
KUWAIT	KW			X
KYRGYZSTAN	KG			X
LAO PEOPLE'S DEMOCRATIC REPUBLIC	LA			X
LATVIA	LV			X
LEBANON	LB			X
LESOTHO	LS			X
LIBERIA	LR			X
LIBYA	LY			X
LIECHTENSTEIN	LI			
LITHUANIA	LT			X
LUXEMBOURG	LU			X
MACAO	MO			
MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF	MK			X
MADAGASCAR	MG			X
MALAWI	MW			X
MALAYSIA	MY		X	X
MALDIVES	MV			X
MALI	ML			X
MALTA	MT			X
MARSHALL ISLANDS	MH			X

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MARTINIQUE	MQ			X
MAURITANIA	MR			X
MAURITIUS	MU			
MAYOTTE	YT			X
MEXICO	MX			
MICRONESIA, FEDERATED STATES OF	FM			X
MOLDOVA, REPUBLIC OF	MD			X
MONACO	MC			X
MONGOLIA	MN			
MONTENEGRO	ME			X
MONTSERRAT	MS			X
MOROCCO	MA			X
MOZAMBIQUE	MZ			
MYANMAR	MM			X
NAMIBIA	NA			X
NAURU	NR			X
NEPAL	NP			X
NETHERLANDS	NL			X
NEW CALEDONIA	NC			X
NEW ZEALAND	NZ		X	X
NICARAGUA	NI			X
NIGER	NE			X
NIGERIA	NG			X
NIUE	NU			X
NORFOLK ISLAND	NF			X
NORTHERN MARIANA ISLANDS	MP			X
NORWAY	NO			X
OMAN	OM			
PAKISTAN	PK			X
PALAU	PW			X
PALESTINE, STATE OF	PS			X
PANAMA	PA			X
PAPUA NEW GUINEA	PG			X
PARAGUAY	PY			X
PERU	PE			X
PHILIPPINES	PH			X

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PITCAIRN	PN			X
POLAND	PL			X
PORTUGAL	PT			X
PUERTO RICO	PR			X
QATAR	QA			X
RÉUNION	RE			X
ROMANIA	RO			X
RUSSIAN FEDERATION	RU			
RWANDA	RW			X
SAINT BARTHÉLEMY	BL			X
SAINT HELENA, ASCENSION AND TRISTAN DA CUNHA	SH			X
SAINT KITTS AND NEVIS	KN			X
SAINT LUCIA	LC			X
SAINT MARTIN (FRENCH PART)	MF			X
SAINT PIERRE AND MIQUELON	PM			X
SAINT VINCENT AND THE GRENADINES	VC			X
SAMOA	WS			X
SAN MARINO	SM			X
SAO TOME AND PRINCIPE	ST			X
SAUDI ARABIA	SA			
SENEGAL	SN			X
SERBIA	RS			X
SEYCHELLES	SC			X
SIERRA LEONE	SL			X
SINGAPORE	SG			
SINT MAARTEN	SX			X
SLOVAKIA	SK			
SLOVENIA	SI			X
SOLOMON ISLANDS	SB			X
SOMALIA	SO			X
SOUTH AFRICA	ZA			X
SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	GS			X
SOUTH SUDAN, REPUBLIC OF	SS			X
SPAIN	ES			
SRI LANKA	LK			X

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Country Name	ISO Code	Context Rules	Lexicons	Reference Data
SUDAN	SD			X
SURINAME	SR			X
SVALBARD AND JAN MAYEN	SJ			X
SWAZILAND	SZ			X
SWEDEN	SE			X
SWITZERLAND	CH			
SYRIAN ARAB REPUBLIC	SY			X
TAIWAN, PROVINCE OF CHINA	TW			
TAJKISTAN	TJ			X
TANZANIA, UNITED REPUBLIC OF	TZ			X
THAILAND	TH			
TIMOR-LESTE	TL			X
TOGO	TG			X
TOKELAU	TK			X
TONGA	TO			
TRINIDAD AND TOBAGO	TT			X
TUNISIA	TN			X
TURKEY	TR		X	
TURKMENISTAN	TM			X
TURKS AND CAICOS ISLANDS	TC			X
TUVALU	TV			X
UGANDA	UG			X
UKRAINE	UA			
UNITED ARAB EMIRATES	AE			X
UNITED KINGDOM	GB		X	X
UNITED STATES	US			X
UNITED STATES MINOR OUTLYING ISLANDS	UM			X
URUGUAY	UY			X
UZBEKISTAN	UZ			X
VANUATU	VU			X
VENEZUELA, BOLIVARIAN REPUBLIC	VE			X
VIET NAM	VN			
VIRGIN ISLANDS, BRITISH	VG			X
VIRGIN ISLANDS, U.S.	VI			X
WALLIS AND FUTUNA	WF			X
WESTERN SAHARA	EH			X

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Country Name	ISO Code	Context Rules	Lexicons	Reference Data
YEMEN	YE			X
ZAMBIA	ZM			X
ZIMBABWE	ZW			X

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## Installation Instructions

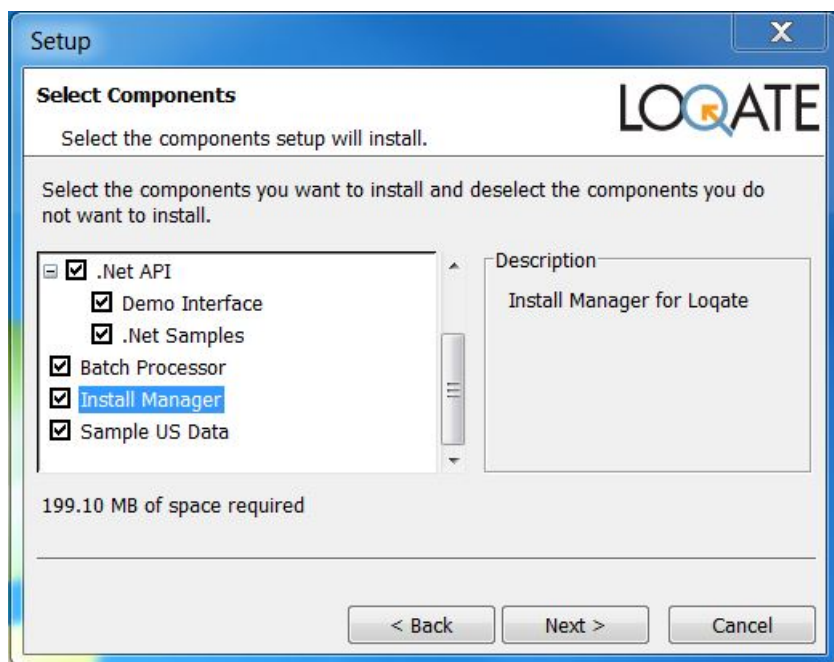
The 2016Q4.0 release makes improvements to the performance of the verification process and the quality of the results.

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 needs 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 FTP server at:

- Site: ftp://ftp.loqate.com
- User: u58463092-build
- Password: lqt0414
- Directory: /2016Q4.0

**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 [2016Q4.0/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 2016 Q3\_InstallationInstructions 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 [2016Q4.0/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 [2016Q4.0\\_InstallationInstructions](#) document.
5. Run the relevant Global Knowledge Repository installer. Please note you may need to add execute privileges when using Linux.

## FTP Server Contents

On the GBG Loqate FTP 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 full access to the technical information provided on our website, please make sure to register at: <http://www.loqate.com/wp-login.php?action=register>

- **Support Home Page:** <http://www.loqate.com/support/>
- **Local APIs:** <http://www.loqate.com/support/local-apis/>
- **Field Descriptions:** <http://www.loqate.com/support/fielddescrip/>
- **Server and Process Options:** <http://www.loqate.com/support/options/>
- **System Requirements and Supported Platforms:** <http://www.loqate.com/system-requirements/>

If you have any general questions, issues, or enhancement request you'd like to share with us, please fill out our case submission web form at <http://www.loqate.com/support/file-a-case/>.

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