
QAS Electronic Updates

User Guide

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Introduction

QAS Electronic Updates downloads data updates over the internet and installs them for use with your Experian QAS applications. It can download and install all of the datasets, additional datasets and DataPlus sets (including Suppression datasets) that you are licensed to use, as soon as new data is available.

You can configure QAS Electronic Updates to download data only, or to automatically install and activate data after downloading. Downloads and new data installation can be scheduled for particular times.

QAS Electronic Updates can also be used alongside your QAS Gateway solution to update LPG or AddressBase data built with QAS Database Builder for use with your Experian QAS applications.

About This Guide

The QAS Electronic Updates User Guide contains the following chapters:

- Installing QAS Electronic Updates - Guides you through the installation process, including basic configuration.
- Using QAS Electronic Updates - Describes how QAS Electronic Updates works and gives examples of the different ways you can use QAS Electronic Updates to manage data updates for the Experian QAS applications across your network.
- Configuring QAS Electronic Updates - Explains the Configuration Editor and all the available configuration options.
- Command Line Operation - Describes the command line options available when QAS Electronic Updates is not run as a Windows service.

Data Guides

For more information about Experian QAS datasets, Data Guides are available to download from the Experian QAS Support website at:

<http://support.qas.com/data>

Technical Support

Experian QAS provide the following forms of Technical Support.

You will need your QAS Electronic Updates username when you contact Technical Support.

Online

If you encounter problems using QAS Electronic Updates which are not answered in the documentation, please visit the Experian QAS Support website:

<http://support.qas.com/>

Email Or Telephone

If you cannot locate the required information on <http://support.qas.com>, Experian QAS Technical Support may be contacted via email or telephone. The Technical Support contact details for each local Experian QAS office can be found at the beginning of this manual.

In order that your request can be dealt with as efficiently as possible, please have your Experian QAS account reference number (provided on your despatch note) and the version number of the software that you are using to hand.

Professional Services

Experian QAS Professional Services are available to help with the initial setup of QAS Electronic Updates. For more information on Professional Services, and to book the service, contact your Experian QAS Account Manager.

Installing QAS Electronic Updates

You should install your other Experian QAS applications before you install QAS Electronic Updates. If you install or reinstall another Experian QAS application after installing QAS Electronic Updates, you must configure QAS Electronic Updates using the Configuration Editor (see page 21) if you want it to handle that application's data updates.

You do not need to install Experian QAS Data for the applications you intend to use with QAS Electronic Updates. However, if you are using additional datasets, such as United Kingdom With Names or Business, you will have to configure data mappings in your v6 Experian QAS applications before you can use additional datasets downloaded by QAS Electronic Updates. You may prefer to install data manually to set up the default data mappings before you configure QAS Electronic Updates. For more information about additional datasets and data mappings see your product documentation.

System Requirements

QAS Electronic Updates requires the following:

	Minimum
Operating System	Microsoft Windows XP, Microsoft Windows Vista, Microsoft Windows 7, Microsoft Windows Server 2003, or Microsoft Windows Server 2008
Software	.NET framework 3.5 SP1
Memory	512MB
Internet Connection	To download data updates, the machine running QAS Electronic Updates requires: <ul style="list-style-type: none">• Access to the internet through an always-on connection;• The ability to make an https (secure web) connection.
Disk Space	Minimal disk space is required for the QAS Electronic Updates program files. The disk space required for the data files will vary according to the datasets you are downloading. The Data Guide for each dataset provides details of the disk space required (see "Data Guides" on page 2). You will need space for several copies of each dataset. See "Downloaded Data" on page 25 for more information about deleting unused and expired data.

Installing QAS Electronic Updates

To install QAS Electronic Updates, follow these steps:

1. Choose the machine on which you want to install QAS Electronic Updates.

If you are using QAS Electronic Updates to download data from the QAS server over the Internet, QAS Electronic Updates must be installed on a machine that has access to both the Internet, either directly or via a proxy, and the installed Experian QAS applications' qawserve.ini files.

If you are using QAS Electronic Updates with your QAS Gateway solution to download LPG or AddressBase datasets from a network share, QAS Electronic Updates must be installed on a machine that has access to a local network, and the installed Experian QAS applications' qawserve.ini files.

For more information about the different ways to use QAS Electronic Updates see "Network Scenarios" on page 13.

2. Insert the QAS Electronic Updates CD into your drive. The installation program should start automatically. If not, select **Run** from the **Start** menu, type **d:\setup.exe** where 'd' is the drive letter of your CD drive, and press **Enter**.

The installation program will guide you through the following dialogs:

- **Licence Agreement**

Accept the terms of the licence agreement for QAS Electronic Updates to continue the installation.

- **Select Installation Directory**

Choose the location where your QAS Electronic Updates program files will be installed.

- **Select Storage Directory**

Choose the location where additional QAS Electronic Updates files, such as data, log files, status files and e-mails, will be stored. QAS Electronic Updates must have write permissions to this folder.

- **Select Program Folder**

Select the Program Folder in the Start menu into which QAS Electronic Updates shortcuts will be added.

- **Configure Installation Options**

This dialog enables you to choose whether to add a Configuration Editor shortcut to the Windows desktop.

You can also choose to enable automatic updates of the QAS Electronic Updates client itself whenever such updates become available. This means that you will not have to manually upgrade to future versions of QAS Electronic Updates. If you disable this option during the installation, you can specify it later from the Configuration Editor.

3. Click **Install** to begin installation. Once the installation is complete, you will be prompted to click **Finish** to exit the installation wizard.

The QAS Electronic Updates Configuration Editor opens. See "Configuring QAS Electronic Updates" on page 21 for more information about using the Configuration Editor.

4. After you have saved your configuration, you can start the QAS Electronic Updates service. This can be achieved from the Configuration Editor (see "Windows Service" on page 40 for more information about setting this up).

The most common cause of problems with starting the service is incorrect permissions. See "User Permissions" on page 19 for more information.

5. You can check that QAS Electronic Updates is running successfully using the QAS Electronic Updates Status Application. This can be opened either through the Status menu in the Configuration Editor or from the Status.exe file in the QAS Electronic Updates installation folder.

For more information about the QAS Electronic Updates Status Application, and the System Tray Application, see "QAS Electronic Updates Status Application" on page 41.

Upgrading From A Previous Version

From QAS Electronic Updates 2.2 onwards, it has been possible to update from a previous version of QAS Electronic Updates, without losing the configuration of the earlier version.

If the QAS Electronic Updates installer detects that an earlier version of the client installed on the machine, it will automatically upgrade QAS Electronic Updates to the newest version.

The upgrade process will display the Configure Installation Options dialog. From this dialog you can choose to enable automatic updates of the QAS Electronic Updates client whenever such updates become available. This means that you will not have to manually upgrade to future versions of QAS Electronic Updates.

If for any reason you require a fresh install, remove the old version of QAS Electronic Updates before beginning the installation process.

Using QAS Electronic Updates

This chapter describes the QAS Electronic Updates process. It also shows the ways QAS Electronic Updates can be set up to suit your particular data updating requirements and system or network scenarios.

How QAS Electronic Updates Works

The QAS Electronic Updates client runs as a Windows service. It downloads data from a network source or over the Internet using https and updates your applications with the data as and when you specify. This chapter explains each stage of the update process.

The options controlling the behaviour of QAS Electronic Updates at each stage are described in "Configuring QAS Electronic Updates" on page 21.

The QAS Electronic Updates service must be run as a user with the appropriate permissions to perform each stage of the process. For more information, see "User Permissions" on page 19.

Scan - QAS Electronic Updates scans and classifies all data stored in the configured data download location, and any other data in use by configured Experian QAS applications. This is done by calculating the MD5 hash of each data file. This process may take some time when QAS Electronic Updates is first started.

Poll - QAS Electronic Updates periodically polls the configured data source for the list of available data which you are licensed to use. This is downloaded in the form of metadata from the configured data source. You can specify the polling frequency and the data source.

The available data is compared to the results collected in the scan stage, to identify any datasets which have been updated.

Download - If new data is available, the QAS Electronic Updates client will start downloading it from the data source, according to your download settings. If QAS Electronic Updates is being used as a replication server, it will normally be set to download all updated data. A replication client will normally only download data for the Experian QAS applications it is configured to update. For more information about the various ways to set up QAS Electronic Updates, see "Network Scenarios" on page 13.

Downloads can be scheduled for specific times, and the bandwidth used can be limited. The data will be downloaded to a single location specified in your configuration.

Install - If required, newly downloaded data can be installed automatically in configured Experian QAS applications. If QAS Electronic Updates is being used as a replication server, this will not normally occur, since the applications will typically only be configured on the replication client machines.

The first time you use QAS Electronic Updates with existing Experian QAS applications, their configuration files will be changed to use data in the new download location.

Activate - Data installed in Experian QAS server applications, such as QAS Pro Web, requires activation before it can be used by the server's clients. If required, this can be automatically carried out by QAS Electronic Updates after installation. Non-server applications, such as QAS Pro Plug & Go, cannot have new data activated by QAS Electronic Updates and must be manually restarted before the new data can be used.

You can configure your QAS Electronic Updates installations using the Configuration Editor (see page 21). Once the QAS Electronic Updates service is running, you can monitor download and installation activity using the QAS Electronic Updates Status Application (for more information, see the "QAS Electronic Updates Status Application" on page 41).

Network Scenarios

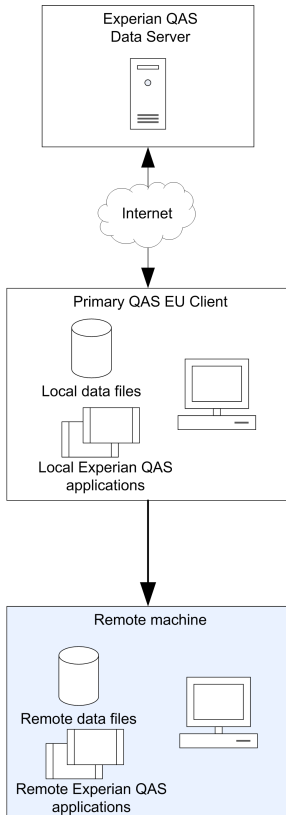
You can configure one or more installations of QAS Electronic Updates to operate in a variety of modes to suit your network. For example, you may need the QAS Electronic Updates client, Experian QAS data and Experian QAS applications to be stored on different machines.

QAS Electronic Updates runs as a Windows service, so can only reliably access network shares using UNC filenames, such as \\machinename\sharename. Do not use mapped drive letters, such as Z:\, when referring to network shares. For more information go to <http://support.microsoft.com> and search for 'redirected drives'.

The following sections explain how to set up QAS Electronic Updates in various typical scenarios, which can be extended or combined to suit the exact requirements of your network.

QAS Electronic Updates And Experian QAS Applications On The Same Machine

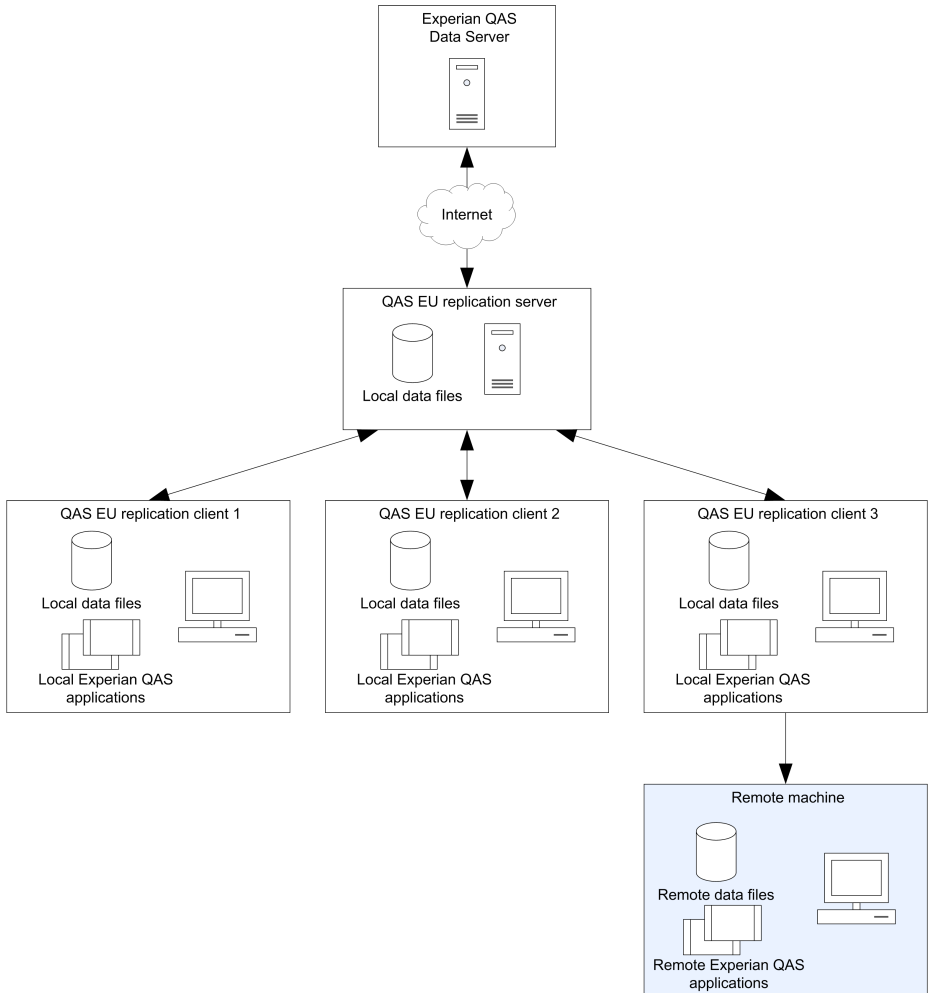
In the simplest scenario, QAS Electronic Updates is installed on the same machine that is running your Experian QAS applications. This machine must have internet access for downloading updates to Experian QAS data, which will be stored locally. The QAS Electronic Updates service will update the locally installed applications to use the data it downloads.



This scenario can be extended so that QAS Electronic Updates also updates Experian QAS applications installed on one or more remote machines (the shaded area of the diagram). Updated data will be copied to the data folders on the remote machines.

QAS Electronic Updates And Experian QAS Applications On Different Machines

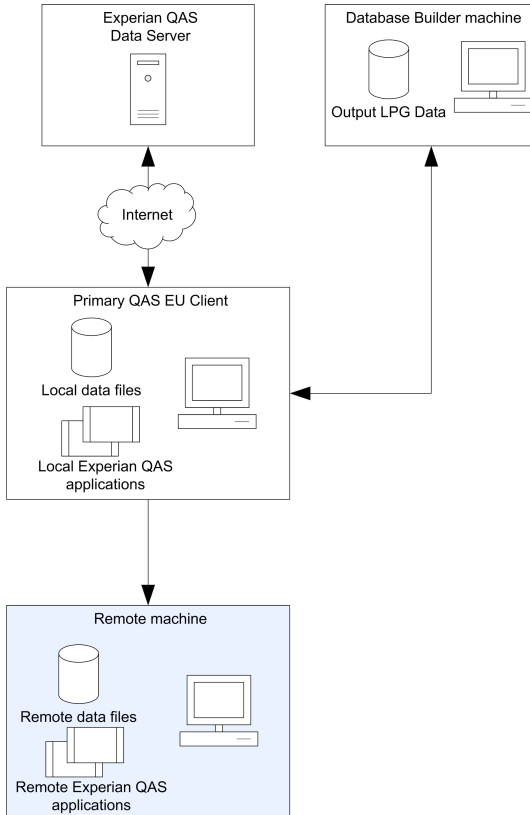
Your Experian QAS applications may be running on a machine (or several machines) without internet access, perhaps for security reasons. In this scenario you need QAS Electronic Updates to run on a different machine. One installation of QAS Electronic Updates should be set up as a replication server on the machine with internet access. This will create a locally stored data folder with all the Experian QAS data you are licensed to use, which can then be accessed by one or more replication clients.



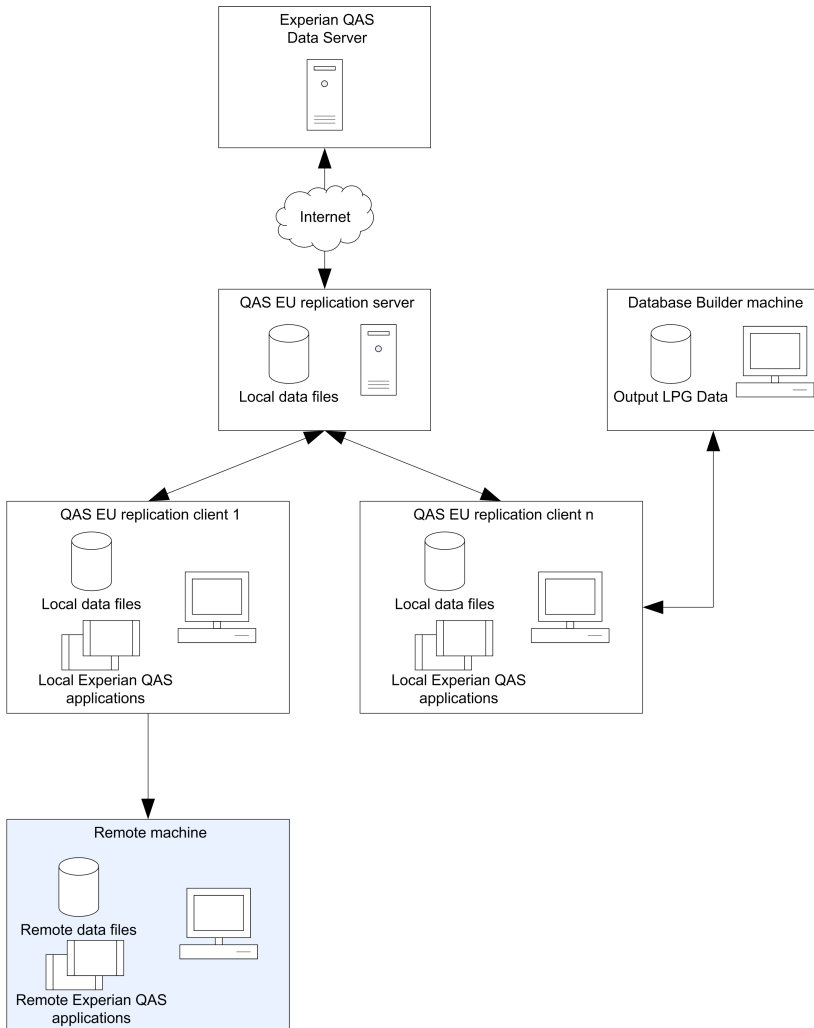
Any of the replication clients can be extended to update Experian QAS applications on one or more remote machines (the shaded area of the diagram). Updated data will be copied to the data folders on the remote machines.

Using QAS Electronic Updates With QAS Gateway

QAS Electronic Updates can be used to update Experian QAS applications when new versions of the LPG or AddressBase datasets are produced by QAS Database Builder. This works in the same way as the first scenario, with the QAS Database Builder output configured as an alternative (or additional) data source.



LPG and AddressBase data cannot be stored for distribution from a replication server (see "QAS Electronic Updates And Experian QAS Applications On Different Machines" on page 15). If you are also downloading Experian QAS data to a replication server, then you must configure each replication client that requires LPG or AddressBase data to use the QAS Database Builder output folder as a data source in addition to the replication server data directory, as shown in the following diagram.



User Permissions

The QAS Electronic Updates client runs as a Windows service. The specific user account it runs as depends on your service settings. By default, the user account will be the Local System user. You can check the user account the service is running as by opening the QAS Electronic Updates Status Application (for more information about the QAS Electronic Updates Status Application, see page 41).

The user account must have appropriate permissions to download over an https (secure web) connection to the Internet, store datasets and access network shares or remote machines according to your QAS Electronic Updates set up. You can change the account used by QAS Electronic Updates from the Windows Services dialog in the Configuration Editor. The Windows Service can then be started from there.

If you have difficulty starting or restarting the service you should check that the user account has "run as service" permissions.

Certain datasets may be restricted to a specific geographical location. For more information, see "Restricting Access To Certain Datasets" on page 24.

Logs

QAS Electronic Updates creates detailed log files of the service's activity, which may be useful for monitoring or troubleshooting purposes. The logs are stored as text files in the Log subfolder in the location selected during installation.

You can control the information logged by QAS Electronic Updates with the Configuration Editor (see page 39).

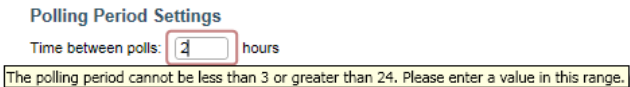
Configuring QAS Electronic Updates

Basic configuration options for QAS Electronic Updates are set during installation. To complete the set up, you can use the Configuration Editor. This can be started by selecting **Configuration Editor** from the QAS Electronic Updates program group in the Start menu.

Configuration Editor

The QAS Electronic Updates configuration options are grouped by function. Each page is displayed in the pane on the right. Information and prompts are displayed in the information box above the pane. You can reorder the columns of any tables in the configuration pages by dragging them to the position you want. All the configuration options are explained in detail in this chapter.

If you enter an invalid value for a setting, the Configuration Editor will highlight it with a red box. A tooltip with more information about the problem will be displayed if you point the cursor at the invalid value:



While an invalid value is entered into a field, further navigation of the Configuration Editor will not be possible. Enter a valid value to resume using the Configuration Editor.

After making changes to the configuration, you can use the **Check Settings** button to verify there are no missing settings or other basic problems with the configuration. The information box will explain any problems that are found.

Once you are happy with the configuration, click **Save Settings**. Saved changes will take effect immediately.

Download Connections

Use the download connections options to set up how QAS Electronic Updates should collect and distribute new data.

QAS Electronic Updates can be used to download data updates from Experian QAS over the Internet, or can be used to download data from a network source (see page 13 for more information about how to set up QAS Electronic Updates). If you enable internet downloads then the replication client option will be disabled, and vice versa.

If you are using QAS Electronic Updates alongside a QAS Gateway solution, a Gateway client can be enabled in combination with both internet and network downloads.

Download Source

Enabling Internet Download Connection

If you are using this installation of QAS Electronic Updates to download Experian QAS data over the Internet, make sure the **Enable Internet download connection?** option is selected. Enabling internet downloads will disable the replication client; see "Network Scenarios" on page 13 for more information. Enter your QAS Electronic Updates username and password, and if you are using a proxy server, enter the proxy server, username and password. You may also have to enter the domain name. If you are unsure about whether or not you are using a proxy service, check with your System Administrator.

To verify the details you have entered, click the **Test Connection** button.

By default, QAS Electronic Updates is installed to run as the Local System user, not as your user account. See "User Permissions" on page 19.

Enabling A Replication Client

If you are using this installation of QAS Electronic Updates to download Experian QAS data from a replication server, or to use LPG or AddressBase data produced by QAS Database Builder, click **From computers on your network** and use the **Network Download Connection Settings** pane.

To use this installation of QAS Electronic Updates to update Experian QAS data from a network location, select the **Enable a replication client?** option. You must specify a name and the directory to monitor.

Enabling a replication client will disable internet downloads. See "Network Scenarios" on page 13 for more information.

QAS Gateway Source

Enabling a QAS Gateway Client

To use this installation of QAS Electronic Updates to update LPG or AddressBase data produced by QAS Database Builder, select the **Enable an Experian QAS Gateway client?** option. You must specify a name and the location of the .uti file output by QAS Database Builder.

Download Restrictions

To specify specific time periods for internet downloads, use the **Download Restrictions Settings** pane. For example, to restrict downloads to take place between 6pm and 10pm on weekdays at a maximum rate of 800KB/s, you would do the following:

1. Click the **Add New Entry** button.
2. Enter a name into the **Description** field. It is important to choose something clear and meaningful in the event you want several selectable profiles. In this case, we have called it "weekdays".
3. Select a **Start day** of "Monday" and an **End day** of "Friday" for the restriction to be active. These will repeat weekly.

4. Enter a **Start time** of "18:00" and an **End Time** of "22:00" for the restriction to be active. These will repeat daily.
5. Enter the **Max KB/s** of "800". This is the speed (in kilobytes per second) you would like QAS Electronic Updates to be able to download at.

The screen should look identical to the picture below:

Configured download restrictions:

Description	Start Day	End Day	Start Time	End Time	Maximum KB/s
weekdays	mon	fri	18:00	22:00	800

Add New Entry **Remove Entry**

Description: *A short description for this entry*

Start day: *First day for this entry to be active*

End day: *Last day for this entry to be active*

Start time: *Time when downloading may start (hh.mm)*

End time: *Time when downloading must stop (hh.mm)*

Max KB/s: *Maximum bandwidth to use (KB per second)*
Note: a value of 0 means 'no maximum'

To set time restrictions with no bandwidth restriction, set the Max KB/s to 0.

Restricting Access To Certain Datasets

Certain datasets may only be permitted to clients located within a given geographical location. For example, with USA datasets, downloading DPV data is only permitted to clients located within the United States of America.

The IP address of your machine is used as a primary indicator of your machine's location. Consequently, if you try to access such data while travelling (for example, while using a laptop) outside of the permitted territory, you will not be able to download the data.

If you do not have access to a dataset you believe you are licensed for, please contact Experian QAS Technical Support.

Polling Settings

You can specify how often QAS Electronic Updates should check the download source location(s) for updates. This applies to all uses of QAS Electronic Updates. If updates are available, downloading will start as soon as possible within the restrictions that have been set up in "Download Restrictions" on page 23.

The polling period is specified in hours. The minimum polling frequency you can set is every 3 hours, and the maximum is every 24 hours.

Downloaded Data

Use the data storage settings to control when data should be downloaded, where it should be stored, and how much drive space downloaded data can occupy.

Data Download And Installation

Download Mode

Use the **Download mode** option to choose which data is downloaded according to the way you are using this installation of QAS Electronic Updates. See "Network Scenarios" on page 13 for more information about the ways to use QAS Electronic Updates. The following download modes are available:

- **All available data (Recommended)** - This mode will download all the latest available data which you are licensed to use, regardless of the data currently installed in your configured applications. This mode will guarantee your applications are using the full range of up-to-date data, and can be used to set up new applications or datasets you have purchased.

If you are using address datasets together with Additional Datasets or DataPlus sets, this mode will wait until all associated data files are available before starting to download them. For example, if you are using GBR Address and Names data, neither dataset will be downloaded until both are available.

After downloading, this mode will start updating your Experian QAS applications according to the data installation settings (see page 29 and page 32). Your application configuration files will be updated to include all datasets you are licensed to use, even those not previously configured. If you do not have licences to use any datasets with all your Experian QAS applications then you should use the Exclude option (see "Updates" on page 29) in the relevant applications or remote applications to prevent unlicensed data errors.

You must have at least one Experian QAS application (or remote application) configured to use this mode.

- **Data for configured applications** - This mode will only download updated data that is already in use in your configured Experian QAS applications (see "Updates" on page 29). If you are using this installation of QAS Electronic Updates to update applications with data from Experian QAS, or from a separately configured replication server, this mode will update your Experian QAS applications with minimal network traffic.

If you are using address datasets together with Additional Datasets or DataPlus sets, this mode will wait until all associated data files are available before starting to download them. For example, if you are using GBR Address and Names data, neither dataset will be downloaded until both are available.

After downloading, this mode will start updating your Experian QAS applications according to the data installation settings (see page 25). Your application configuration files will not be amended except to use the new data. This can be used if you have applications configured to use only some of the datasets that you are licensed to use.

You must have at least one Experian QAS application (or remote application) configured to use this mode.

Data Directory

The storage location for downloaded data is specified in the **Directory** text box. This must be a local directory for which the QAS Electronic Updates service has write access. You should also ensure that configured Experian QAS applications have read access, or, if you are setting up a replication server, that the replication clients can read from this directory.

Remote Application Only Setups

If the client is installed on a machine that does not have any Experian QAS applications installed, the default action is for the client machine to download the data locally before passing it to the necessary remote machines. This can be disabled by unchecking the **Download locally first** setting.

Disk Usage

Free Space Settings

The free space settings can be used to prevent QAS Electronic Updates using too much disk space.

If you specify a value in the **Limit** box, QAS Electronic Updates will stop downloading data whenever the free space on the drive drops below that value. An email notification will be sent if a scheduled download would reduce the free space below that value. To avoid disruption to your data downloads, you can also specify a value in the **Warning** box to receive an email notification when the free space on the drive drops below that value. For more information on setting up email notifications, see page 38.

Data Deletion Settings

QAS Electronic Updates will not delete or overwrite data which has been replaced.

To conserve disk space, you can choose to purge:

- **Expired Files**

This removes data files which have expired. Datasets are updated in advance of the expiry date, and are unusable after the expiry date, so this option will remove data files as soon as they expire. Any expired data stored in the location specified in the **Directory** box, or in the data directories of remote applications, will be removed.

- **Outdated Files**

This removes any data files that are no longer being used because they have been superseded by more recent data files. Only data files that are configured for installed applications will be deleted using this option.

Only data files that have been downloaded using QAS Electronic Updates can be deleted automatically using the Data Deletion Settings. Data that has been installed manually must be deleted manually.

A notification email will be sent when expired data is deleted, if email notifications are enabled. For more information see "Email Notification Preferences" on page 38.

Updates

Use the updates options to identify the Experian QAS applications you want QAS Electronic Updates to update, and to restrict the times the applications should be updated.

Data Applications To Update

The **Data Applications to Update pane** can be used to update both local and remote QAS applications. It can also be used to install Partner Sourced datasets.

Updating Local Applications

The simplest way to identify local applications is with the **Scan for Apps** button, which will check your Windows registry for installed Experian QAS applications and automatically populate the table.

You can also specify applications manually, by clicking **Add New Entry** and providing the name and product configuration file (e.g. qawserve.ini) for each Experian QAS application. Any datasets you use which are not supported by this application, or that you do not want to be downloaded or installed by QAS Electronic Updates should be entered in the **Exclude** box, separated by commas. Additional datasets and DataPlus sets will be excluded for any base datasets listed here. For each application, you can specify whether data is automatically installed from the **Install mode** drop-down box.

Configured applications:

Scan Local Apps

Name	Product Configuration File
QAS Pro 5.80	C:\Program Files\QAS\QAS Pro 5.80\Qawserve.ini
QAS Pro 6.47	C:\Program Files\QAS\QAS Pro 6.47\Qawserve.ini
QAS Pro Web 5.65	C:\Program Files\QAS\QAS Pro Web\Qawserve.ini

Add New Entry Remove Entry Permissions?

Name:

Product configuration file: Browse

Product configuration file type:

Install mode:

Exclude:

For each new entry, the following fields are available:

Name - the application name (this is for your reference only, and is not used by QAS Electronic Updates).

Product configuration file - the product configuration file which contains data settings for this application (e.g. qawserve.ini). The path should be entered using UNC syntax.

Product configuration file type - in most cases, the default (**Auto (recommended)**) should not be changed. However, in some cases, QAS Electronic Updates must be told exactly the data type used by the product.

Experian QAS will provide further information at the point of sale if you require any option other than **Auto** for this setting.

Install mode - the Data Installation Mode. You can choose whether downloaded data should be automatically updated in your Experian QAS application by selecting the **install mode**. QAS Electronic Updates can only install data for Experian QAS applications from v4 onwards. This option has no effect for v3 applications; data for those must be installed manually.

This setting enables you to specify whether data is automatically updated for each installed Experian QAS product on a product-by-product basis.

The options are:

- **Full install** - For an Experian QAS server, a Standalone or a Plug & Go application, this option will automatically update and activate new data in your application once it has been downloaded. For a Standalone or Plug & Go Experian QAS application, this behaves in the same way as the "Download and update" option. If you are using additional datasets with a v6 application, you must have existing data mappings configured in your application in order to use the data.

You must restart your Standalone and Plug & Go Experian QAS application before the changes take effect.

- **Download and update** - For a QAS server application, this option will automatically update new data in your application once it has been downloaded. The new data will not be used until it is activated in the application. For a Standalone or Plug & Go QAS application, this updates and activates the new data in your application. For these types of application, this behaves in the same way as the "Full Install" option. If you are using additional datasets with a v6 application, you must have existing data mappings configured in your application in order to use the data.

You must restart your Standalone and Plug & Go Experian QAS application before the changes take effect.

- **Download only** - This option will download new data but make no changes to your application.

Exclude (optional) - This should list any datasets you use which are not supported by this application, or that you do not want to be downloaded or installed by QAS Electronic Updates. Additional datasets and DataPlus sets will be excluded for any base datasets listed here.

Updating Remote Applications

If your Experian QAS application is running on another machine on your network, they must be specified manually, by clicking **Add New Entry** and providing the following information:

Name - the application name (this is for your reference only, and is not used by QAS Electronic Updates).

Product configuration file - the product configuration file which contains data settings for this application (e.g. qawserve.ini). The path should be entered using UNC syntax.

This field recognises the opening '\ character of a UNC address, and allows QAS Electronic Updates to know that the configuration file is on a remote machine. This displays the extra settings required that were previously hidden.

Product configuration file type - in most cases, the default (**Auto (recommended)**) should not be changed. However, in some cases, QAS Electronic Updates must be told exactly the data type used by the product.

Experian QAS will provide further information at the point of sale if you require any option other than **Auto** for this setting.

Install mode - the Data Installation Mode. You can choose whether downloaded data should be automatically updated in your Experian QAS application by selecting the **Install mode**. QAS Electronic Updates can only install data for Experian QAS applications from v4 onwards. This option has no effect for v3 applications; data for those must be installed manually.

This setting enables you to specify whether data is automatically updated for each installed Experian QAS product on a product-by-product basis.

The options are:

- **Full install** - For an Experian QAS server, a Standalone or a Plug & Go application, this option will automatically update and activate new data in your application once it has been downloaded. For a Standalone or Plug & Go Experian QAS application, this behaves in the same way as the

"Download and update" option. If you are using additional datasets with a v6 application, you must have existing data mappings configured in your application in order to use the data.

You must restart your Standalone and Plug & Go Experian QAS application before the changes take effect.

- **Download and update** - For a QAS server application, this option will automatically update new data in your application once it has been downloaded. The new data will not be used until it is activated in the application. For a Standalone or Plug & Go QAS application, this updates and activates the new data in your application. For these types of application, this behaves in the same way as the "Full Install" option. If you are using additional datasets with a v6 application, you must have existing data mappings configured in your application in order to use the data.

You must restart your Standalone and Plug & Go Experian QAS application before the changes take effect.

- **Download only** - This option will download new data but make no changes to your application.

Exclude (optional) - This should list any datasets you use which are not supported by this application, or that you do not want to be downloaded or installed by QAS Electronic Updates. Additional datasets and DataPlus sets will be excluded for any base datasets listed here.

Remote data directory - This is the directory used to store data used by the remote application. Unlike applications running on the same machine, remote applications use a local data directory, and QAS Electronic Updates copies relevant updated data to this location. The machine running this installation of QAS Electronic Updates must have permission to copy data to this location. This path should be entered using UNC syntax.

'File not found' errors may be caused by QAS Electronic Updates not having permission to access the remote location. See "User Permissions" on page 19 for more information.

Data directory location - This is the path of the remote data directory as it would appear in the remote application configuration file.

Address - This is the machine name that your Experian QAS server application is running on. This is only required for Experian QAS server applications, such as QAS Pro Server and QAS Pro Web.

Port - This is the port number that your Experian QAS server application is using. This is only required for Experian QAS server applications, such as QAS Pro Server and QAS Pro Web.

Is the remote machine Unix? - This option must be selected if the remote application is running on a UNIX machine, otherwise the update process will cause errors in your application.

For example, if the remote machine is a Windows machine called "cust_serv", has QAS Pro Web installed to "C:\Program Files\QAS\QAS Pro Web", using data in "C:\QAS Data", and using port 2021, you might use the following settings (assuming appropriate network shares have been set up):

- **Name:** Customer Pro Web Server
- **Configuration file:** \\cust_serv\Program Files\QAS\QAS Pro Web\qawserve.ini
- **Configuration file type:** Auto (recommended)
- **Install mode:** Full install
- **Remote data directory:** \\cust_serv\qas data\
- **Data directory location:** C:\qas data
- **Address:** cust_serv
- **Port:** 2021
- **Is the remote machine Unix?:** No (not selected)

Setting Up Partner Sourced Datasets

To download and install Partner Sourced datasets, a separate QAS Pro Web configuration file should be used, in addition to the one used for primary sourced datasets (usually qawserve.ini). This means that two application instances are required for a single Pro Web instance when both primary and Partner sourced data are to be used.

We recommend that you use acserver.ini as an additional configuration file.

After setting up the primary sourced database:

The screenshot shows a dialog box titled "Configured applications:" with a "Scan Local Apps" button in the top right. It contains a table with two columns: "Name" and "Product Configuration File". The table has one row: "Pro Web 6.73" with the file path "C:\Program Files\QAS\QAS Pro Web 6.73\Qawserve.ini". Below the table are three buttons: "Add New Entry", "Remove Entry", and "Permissions?". Underneath these buttons are several input fields: "Name:" with the value "Pro Web 6.73"; "Product configuration file:" with the value "C:\Program Files\QAS\QAS Pro Web 6.73\Qawserve.ini" and a "Browse" button; "Product configuration file type:" with a dropdown menu set to "Auto (recommended)"; "Install mode:" with a dropdown menu set to "Full Install"; and an empty "Exclude:" field.

You should add a new entry specifying the second configuration file to be used for Partner Sourced datasets:

The screenshot shows the same "Configured applications:" dialog box, but now with two entries in the table. The second entry is "Pro Web 6.73 Partner Sourced" with the file path "C:\Program Files\QAS\QAS Pro Web 6.73\acserver.ini". The "Add New Entry" button is highlighted, indicating it was just used. The input fields below the buttons are now filled with the details for the new entry: "Name:" is "Pro Web 6.73 Partner Sourced"; "Product configuration file:" is "C:\Program Files\QAS\QAS Pro Web 6.73\acserver.ini" with a "Browse" button; "Product configuration file type:" is "Auto (recommended)"; "Install mode:" is "Full Install"; and "Exclude:" is empty.

Installation Settings

This dialog enables you to

- control whether QAS Electronic Updates backs up the product configuration file before an update takes place;
- specify whether any update of QAS Electronic Updates are automatically installed as it becomes available;
- specify whether any DLL files supplied with the data are automatically installed.

Installation Settings

Help

These settings help to control the installation process.

Data Installation

Backup configuration files before installation?

Software Installation

Automatically update QAS Electronic Updates?

Address Matching DLL's

Some data updates are supplied with improvements to our matching engine. These will be installed at the same time as your data update.

Update matching DLL's?

Controlling Configuration File Backups

This Data Installation section enables you to control whether QAS Electronic Updates backs up the product configuration file before an update takes place. The back up file will be saved in the same location as the configuration file and will be saved in the format:

[original file name]-YYYYMMDDmmhh.ini

Updating QAS Electronic Updates Automatically

It also enables you to specify, by checking the **Automatically update QAS Electronic Updates?** option, that any update of QAS Electronic Updates is automatically installed, as it becomes available.

Downloading DLL Files Automatically

The dialog also enables any DLL files supplied with the data to be automatically installed. This option is checked by default.

If you uncheck this option, then any DLL files supplied with the data will not be automatically installed and the new DLL files will be unpacked to the data directory to await a manual update at a later date.

Installation Time Restrictions

You can use the **Installation Times Restrictions** pane to restrict when QAS Electronic Updates should install updated data in your Experian QAS applications. For example, to restrict installation to take place only on weekdays between 9.30pm and 10.30pm, you would do the following:

1. Click the **Add New Entry** button.
2. Enter a name into the **Description** field. It is important to choose something clear and meaningful in the event you want several selectable profiles. In this case, we have called it "install window".
3. Select a **Start day** of "Monday" and an **End day** of "Friday" for the restriction to be active. These will repeat weekly.
4. Enter a **Start time** of "21:30" and an **End Time** of "22:30" for the restriction to be active. These will repeat daily.

Configured installation times:

Description	Start Day	End Day	Start Time	End Time	
weekdays	mon	fri	18:00	22:30	

Add New Entry

Remove Entry

Description: *A short description for this entry.*
Start day: *First day for this entry to be active.*
End day: *Last day for this entry to be active.*
Start time: *Time when installations may start (hh:mm).*
End time: *Time when installations must stop (hh:mm).*

The installation times are only relevant if data installation is configured to occur automatically. For more information see "Downloaded Data" on page 25.

Status

Use the status and checks panes to configure and view status information about the QAS Electronic Updates service.

Email Notification Preferences

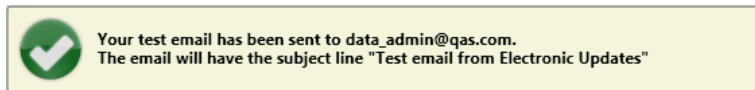
If you want QAS Electronic Updates to send notification emails for successful or unsuccessful data updates, use the **Email notification preferences** pane to set up your email server and preferences.

If you supply an SMTP server, 'to' address and 'from' address, and storage directory, QAS Electronic Updates will send emails when any of the following situations occur:

- Download errors
- Installation errors
- Expired data deletion
- Disk space limit, or warning limit reached
- Data installation completed successfully.

The **Storage directory** box specifies the folder to be used by QAS Electronic Updates for storing copies of all the emails it sends.

To check your email settings are correct, click the **Send Test Email** button. The information box will report whether a test email can be successfully sent to the specified e-mail address:



To ensure emails are received, check that the 'from' address will not be blocked by your spam filters.

Enable Or Disable Status Output

Click **Enable or disable status output** to open the **Status Output Settings** pane. You can specify whether status information should be recorded, and which directory it should be stored in. The QAS Electronic Updates service must have permission to create files in this location.

If you enable status output, QAS Electronic Updates will periodically update the Status.xml file. This can be opened in a browser directly from the specified status directory, or alternatively the information is all available from the QAS Electronic Updates Status Application. For more details see "QAS Electronic Updates Status Application" on page 41.

If you change the status output directory, you must copy the EUStatus.xslt file and the Images and Styles folders from the previous status output directory if you want to view the output in a browser.

Advanced

Use the advanced panes to configure logging and view detailed information about QAS Electronic Updates.

Logging

The **Logging** pane allows you to specify the detail of the messages logged by QAS Electronic Updates and which directory the log file should be stored in. The service must have permission to create files in this location. The **Logging level** can be set from '1 - Critical' (fewest messages) to '4 - Verbose' (most messages).

If you set the **Logging level** higher than 'information' the log file will quickly become very large.

Information

The **Information** pane displays detailed information about QAS Electronic Updates which may be useful when troubleshooting.

The following information about the client is available:

Title	Description
Version	This is the currently running version of the QAS Electronic Updates product.
Current User	This is the current user profile from which the client is being run.
OS	This is the operating system from which the client is being run.
Culture	This is the language setting of the OS from which the client is being run.
Directory	This is the file location of the client application.
Endpoint	This is the location to which the client is sending requests for data.
.Net Version	This is the version of .Net that is installed on the OS from which the client is being run.

Windows Service

The **Windows Service** pane can be used to edit the User Settings required for your Windows Service. By default this will be the currently configured Windows user (displayed), but can be changed to any existing Windows user.

To select a different user to the one currently configured, select the Edit Service check box and enter in the username and password of the User Account with which you would like to start the Windows Service. You will need to confirm the password.

It is wise to set the password of the user account to not expire, to prevent the Windows Service being unable to start due to password expiry.

QAS Electronic Updates Status Application

The QAS Electronic Updates Status Application can be used to monitor the performance of QAS Electronic Updates, to get information about downloads currently available, which software versions are left to update, and general information about the client.



The QAS Electronic Updates Status Application can be accessed either by clicking on the Status.exe file in your main install (by default this will be C:\Program Files\qas\QAS ElectronicUpdates) or from the Configuration Complete screen of the Configuration Pages.

For more information on the QAS Electronic Updates Status Application, please see the QAS Electronic Updates Online Help for details on the individual pages.

Status Tray Icon

The system tray icon can be used to notify you quickly if there are any problems with the setup of your QAS Electronic Updates client. When closed, the QAS Electronic Updates Status Application will automatically be minimised into your computers system tray.

The status tray icon will be one of the following two colours:

Status Tray Colour	Description
 Blue	The client is running correctly.
 Red	The client is not running. Check your internet connection or the error pane in the QAS Electronic Updates Status Application for more information.

Command Line Operation

QAS Electronic Updates is designed to be run as a Windows service. However, it can also be run as a command line application to aid deployment or to help diagnose problems.

If you run QAS Electronic Updates from the command line, it may not use the same user account as the service. For more information about user accounts and permissions, see "User Permissions" on page 19.

You can use the command line arguments to run QAS Electronic Updates as a fully-functioning application, or access a specific aspect of its operation. For more information about how QAS Electronic Updates works, see page 11. The following arguments are available:

Argument	Description
-usage	Displays the list of command line arguments. This will also be displayed if you supply an invalid argument.
-appmode	Runs QAS Electronic Updates as an application. Any errors with your configuration or with starting the application will be reported. If successfully started, QAS Electronic Updates will run in this mode until it is manually stopped by pressing CTRL+C .
-testconnections	If QAS Electronic Updates is set up to download updates over the Internet, this will perform a check of the external connections and report any routing issues. It communicates with the Experian QAS server to identify all of the download servers and perform a test download.
-testemail	Sends a test email to the configured recipient.

Argument	Description
-status [file]	Outputs a sample XML status report. [file] is the path and filename of the XML file to output. If this is not present, the default filename "status.xml" will be used.
-testconfig	Loads the current configuration and checks its validity.
-scanfiles	Scans the current data files. The results are recorded in the DataFiles.xml file.
-classify	Classifies the current data files by calculating MD5 hashes. The results are recorded in the DataFiles.xml status file.
-retrievemeta	Retrieves the metadata from the configured source location(s).
-download [-md5=<md5 hash>] [-file=<file path>] [-size=<X>]	Downloads data according to the current configuration. Use the optional arguments to download specific files by their MD5 hash, path or size.
-purgefiles	Purges expired data files in the configured download location or in remote applications.
-install	Performs data installation according to the current configuration.
-serverinstall	Connects to each configured Experian QAS server application to remotely activate updated data.