



# SHA-256 Upgrade Guide

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## Background

USPS is converting the hash algorithm used in their encrypted data products from SHA-1 to SHA-256 to comply with new security requirements. This change will take effect with the August 2017 data release. To support this change, Experian Data Quality is providing an update to the CorrectAddress API, which is the engine that the CorrectAddress, Batch and Pro products use to read this data.

These products require the CorrectAddress API to be updated by August 2017 in order to support the licensed data shown below:

Product	Data
Batch	_USACR
Pro API	USADPV
Pro Web	USADPV
Pro Plug & Go	USADPV
CorrectAddress	IST - USA
CorrectAddress	IST - Geocoding

For an explanation of the upgrade procedure, refer to the section below for your product and system.

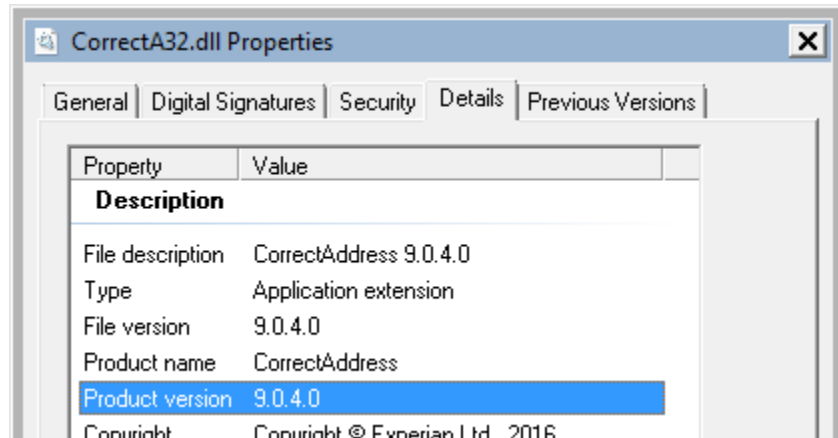
## Batch/Pro API/Pro Web/Pro Plug & Go - Windows

If you install data updates for Batch, Pro API, Pro Web or Pro Plug & Go via the Windows installer, EU or FTP, the CorrectAddress API should be updated automatically. Verify that the new API has been installed correctly by checking the version of the file specified below, based on your product:

	32-bit	64-bit
<b>Pro API/Pro Web/Pro Plug &amp; Go</b>	dpv_lookup.dll	dpv_lookup64.dll
<b>Batch</b>	CorrectA32.dll	CorrectA64.dll

For Pro and Batch installs, the DLL is located in the directory specified in the CorrectAApiLoc setting in qawserve.ini. If this setting is missing or the value is unspecified, the DLL must be in the Pro or Batch install directory.

Check the file properties to verify that the correct version is installed. The SHA 256 format is supported in CorrectAddress version 9.0.4 and above:



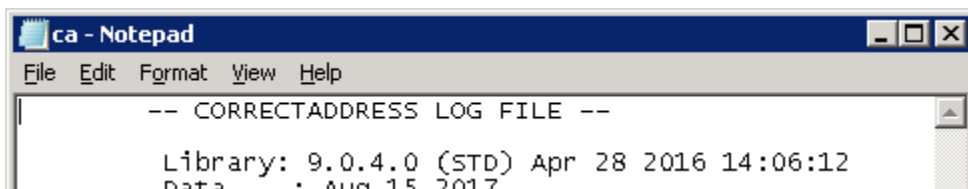
## Batch/Pro API/Pro Web - *UNIX/Linux*

Unix and Linux users of Batch and Pro will receive the updated CorrectAddress API library separately. Copy the appropriate library as specified below to your installation directory.

	32-bit	64-bit
<b>Pro API/Pro Web</b>	dpv_lookup.so	dpv_lookup64.so
<b>Batch</b>	libCorrectA32.so	libCorrectA64.so

## CorrectAddress - *Windows*

If you install data updates for CorrectAddress via the Windows installer, the CorrectAddress API should be updated automatically. Verify that the new API has been installed correctly by checking the ca.log file in your installation directory:



Alternatively, if you have logging disabled, check the properties of the CorrectA.dll file in the Windows system directory. The SHA 256 format is supported in CorrectAddress version 9.0.4 and above.

## CorrectAddress - *UNIX/Linux*

The CorrectAddress API for UNIX and Linux systems is located on the monthly UNIX/Linux data disc for CorrectAddress. Copy the libCorrectA.so file from the folder corresponding to your UNIX/Linux system to your CorrectAddress installation directory. If logging is enabled, verify the library version printed to the ca.log file. The SHA 256 format is supported in CorrectAddress version 9.0.4 and above.