



Informatica® Informatica Address
Verification

5.8.0

Release Notes (On-Premises)

Informatica Informatica Address Verification Release Notes (On-Premises)

5.8.0

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Abstract

This document contains important information about installation, new features, changed features, fixed limitations, and known limitations for Informatica Address Verification (On-Premises) version 5.8.0.

If you connect to Informatica Address Verification in the cloud, you can use this document to learn about the capabilities of the Address Verification engine.

CHAPTER 1

Informatica Address Verification Installation

This chapter includes the following topics:

- [Memory Requirements, 5](#)
- [System Configuration, 6](#)
- [Developer Support, 6](#)

Memory Requirements

Informatica Address Verification is designed to be highly efficient in its memory and resource usage. To ensure best possible performance, install Informatica Address Verification on a device that has fast input and output systems and sufficient memory.

The device on which you install Informatica Address Verification must have a minimum of 512 MB RAM.

Before you finalize the memory requirements, consider the size of the reference address databases that are required for your specific needs. Preloading databases significantly improves the performance of Informatica Address Verification. The device on which you install Informatica Address Verification must have sufficient RAM to preload all the required databases.

The complete set of worldwide postal reference databases including supplementary databases for address enrichments requires around 40 GB of storage space. However, for typical installations that do not require all the databases, 20 to 25 GB of RAM should be sufficient. If you need to preload databases that together have a size of 3 GB or more, use a 64-bit operating system that offers you more flexibility with the RAM size. The maximum available RAM for a 32-bit operating system is 3 GB.

Tip: If full preloading of databases is not an option, use solid-state drives to store the reference address databases. Solid-state drives are faster than hard-disk drives and can significantly improve performance especially when multithreading is used.

System Configuration

When you install Informatica Address Verification, verify that the operating system and the processor architecture are compatible on the installation host machine. Verify also that the installation host machine runs a Java Development Kit that is compatible with the processor architecture and the operating system.

The following table lists the system configurations that you can use for Informatica Address Verification installation:

Operating System	Processor Architecture	Java Development Kit
Windows Server 2008 SP2	x86 (32-bit)	Sun SE 7
Windows Server 2008 R2 Windows Server 2008 SP2 Windows Server 2012	x64 (64-bit)	Sun SE 7
SUSE Linux Enterprise Server 10 and 11	x86 (32-bit) x64 (64-bit)	Sun SE 7
RedHat Enterprise Linux 6 and 7	x86 (32-bit) x64 (64-bit)	Sun SE 7
RedHat Enterprise Linux 6 and 7	System z (64-bit)	IBM SE 7
AIX 6 AIX 7	POWER (64-bit)	IBM SE 7
Solaris 10 and 11	Intel (64-bit) SPARC (64-bit)	Sun SE 7
HP-UX 11	Intel Itanium (64-bit)	HP SE 5

Developer Support

Informatica develops Informatica Address Verification in the C++ programming language. The Informatica Address Verification software packages contain APIs in C and in Java.

The Informatica Address Verification Developer Guide contains examples for the C and Java APIs. You can use the examples to develop Informatica Address Verification implementations in other languages, such as C++, C#, Visual Basic, .Net, PHP, Perl, Ruby, and Python.

Informatica Address Verification provides technical support for C-based and Java-based APIs. Informatica Address Verification does not provide implementation-specific technical support.

For more information about or assistance with address verification projects, contact the Informatica Professional Services team.

CHAPTER 2

Informatica Address Verification Version 5.8.0

This chapter includes the following topics:

- [Highlights of Informatica Address Verification Version 5.8.0, 7](#)
- [New Features and Enhancements \(Version 5.8.0\), 8](#)
- [Fixed Issues in Version 5.8.0, 13](#)

Highlights of Informatica Address Verification Version 5.8.0

The following table lists the new features, major enhancements, and key issues that Informatica Address Verification resolves in version 5.8.0.

New	Address Code LookUp Support for South Korea
New	Address ID Values as an Enrichment to South Korea Addresses
New	Support for the Hangul Script in South Korea Addresses
New	Support for Five-Digit and Six-Digit Post Codes in South Korea Addresses
New	Verification of Land Lot-Based and Street-Based South Korea Addresses
New	Delivery Point Type and Organization Key Enrichments for United Kingdom Addresses
New	Freight Code Enrichment for Germany Addresses
New	Multilanguage Support for Province Information in Switzerland Addresses
New	Support for Addresses in Macau
New	Support for Eircodes in Ireland addresses
New	Support for Non-Postal Addresses in New Zealand

New	Support for RedHat Enterprise Linux Version 7
New	Support for UPRN data in Great Britain
New	Support for Addresses in Timor-Leste
Improved	Enhancements to Address Code Lookup Mode
Improved	Enhancements to Rooftop Geocoding in the United Kingdom
Improved	Reference Data Support for House Numbers in Germany
Improved	Reference Data Support for House Numbers in Italy
Improved	Support for House Number Verification in Taiwan
Improved	Support for Subbuilding information in Spain

New Features and Enhancements (Version 5.8.0)

Informatica Address Verification introduces the following features and enhancements in Version 5.8.0:

New Product Name

Effective in version 5.8.0, Informatica renames Informatica AddressDoctor as Informatica Address Verification.

Informatica Address Verification was previously known by various names such as Informatica AddressDoctor, AddressDoctor by Informatica, and Informatica AddressDoctor Software Library.

Support for RedHat Enterprise Linux Version 7

Effective in version 5.8.0, you can install Informatica Address Verification on devices that run RedHat Enterprise Linux version 7. You can continue to install Informatica Address Verification on devices that run RedHat Enterprise Linux version 6.

You cannot install Informatica Address Verification 5.8.0 on devices that run RedHat Enterprise Linux version 5.

Enhancements to Address Code Lookup Mode

Effective in version 5.8.0, Informatica Address Verification returns all available enrichment data with an output address from any country that supports a unique identifier value as a lookup key.

You can enter a lookup key for an address in Germany, Great Britain, Japan, Serbia, South Africa, and South Korea in Address Verification 5.8.0.

To retrieve address data in address code lookup mode, install the address code lookup database for the country in which the address is located. Set the process mode in `Parameters.xml` to ADDRESSCODELOOKUP. Additionally, set the `Type` attribute of the `AddressCode` element in `InputData.xml` to an appropriate value. For more information, see the *Informatica Address Verification Developer Guide*.

Enhancements to Rooftop Geocoding Support for United Kingdom Addresses

Effective in version 5.8.0, Informatica Address Verification introduces the following changes to rooftop geocoding support:

- To retrieve high-precision rooftop geocoordinates for United Kingdom addresses, add the ROOFTOP value to the `EnrichmentGeoCodingType` attribute of the `PROCESS` element in `Parameters.xml`.
- Informatica Address Verification delivers the rooftop geocoordinates in a new reference address database of type Rooftop Geocoding (GCRT) .

To retrieve rooftop geocoordinates for United Kingdom addresses, install the GBR5GCRT.MD database. Address Verification uses a new GEO_ROOFTOP unlock code for the database. Address Verification returns a geocoding status value of EGCB to indicate that the output address contains rooftop geocoordinates.

Previously, you set the `EnrichmentGeoCodingType` attribute to `ARRIVAL_POINT` to retrieve rooftop geocoordinates for United Kingdom addresses. The reference address database for the rooftop geocoordinates in previous versions used the same naming convention as the reference database for arrival point geocoordinates.

Reference Data Support for Individual House Numbers in Germany

The latest reference address databases for Germany support the verification of individual house numbers in Germany addresses. To verify individual house numbers in Germany, install the latest reference address databases for Germany.

Previously, Address Verification supported only house number ranges for Germany addresses.

Additional Enrichment to Germany Addresses

Effective in version 5.8.0, you can retrieve the three-digit street code part of the Frachtleitcode (or Freight Code) as an additional enrichment to verified Germany addresses. Street codes identify streets in Germany. Positions 6, 7, and 8 of the Frachtleitcode form the street code and identify a street. A street code value of 994 indicates that the address points to a packstation. (A packstation is a service delivery point of DHL Parcel Germany).

To retrieve the street code as an enrichment to verified Germany addresses, install the premium database package for Germany. For more information about the premium database package, contact your Informatica sales representative. To receive the street code as an enrichment, you must also set the `EnrichmentSupplementaryDE` attribute of the `Process` element in `Parameters.xml` to `ON`. Informatica Address Verification returns the street code in the `STREET_CODE` field.

Reference Data Support for Individual House Numbers in Italy

The latest reference address databases for Italy support the verification of individual house numbers in Italy addresses. To verify individual house numbers in Italy, install the latest reference address databases.

Previously, Address Verification supported only house number ranges for Italy addresses.

Enhancements to South Korea Address Verification

Effective in version 5.8.0, Informatica Address Verification introduces the following changes to South Korea address verification:

Address ID values as an Enrichment to South Korea Addresses

You can retrieve address ID values as an enrichment to valid South Korea addresses. The address ID value is a unique string that Address Verification assigns to South Korea addresses. Use the address ID value to obtain a South Korea address in the current, street-based format or in the older, land lot-based format. You can also use the address ID value to obtain the six-digit post code or the five-digit post code for the address.

To receive the address ID as an enrichment, install the South Korea supplementary reference address database (`KOR5E1.MD`). After you install, set the `EnrichmentSupplementaryKR` attribute of the `Process` element in `Parameters.xml` to ON.

Address Code Lookup Support for South Korea

When you use the address ID value to retrieve South Korea address information, configure Address Verification to run in address code lookup mode. To enable address code lookup for a South Korea address, set the `Type` attribute of the `AddressCode` element in the `InputData.xml` to `KOR_ADDRESS_ID`.

Support for the Hangeul Script in South Korea Addresses

The default script of the South Korea reference address database is Hangeul. You can use Address Verification to verify South Korea addresses in the Hangeul script and to receive the result output in Hangeul script. Alternatively, you can configure the `PreferredScript` attribute of the `Result` element in `Parameters.xml` to an appropriate value to receive the output in the ASCII script.

Support for New Postal Codes in South Korea

Address Verification supports the new, five-digit postal codes and the older, six-digit postal codes in South Korea. To verify the six-digit post codes, set the `MatchingExtendedArchive` attribute of the `Process` element in `Parameters.xml` to ON. If you do not set `MatchingExtendedArchive` to ON, Address Verification identifies the six-digit post codes as not valid.

Verification of Outdated South Korea Addresses

You can verify older, land lot-based addresses and addresses with older, six-digit post codes in South Korea. To verify the address and post code data, set the `MatchingExtendedArchive` attribute of the `Process` element in `Parameters.xml` to ON. When you set `MatchingExtendedArchive` to ON, Address Verification returns an extended element result status of F if the address or the post code uses the older format. Address Verification does not return older address information if you set `MatchingExtendedArchive` to OFF.

Previously, Address Verification identified land lot-based addresses as not valid.

Support for Macau

Effective in version 5.8.0, you can use Informatica Address Verification to verify addresses from Macau. You can verify Macau addresses in the batch, interactive, and fast completion modes.

To verify Macau addresses in the batch or interactive mode, you must install the `MAC5BI.MD` database. To verify Macau addresses in the fast completion mode, install the `MAC5FC.MD` database. The reference address databases for Macau contain address information up to the building level. Macau does not have a postal code system. The reference address databases for Macau are in Portuguese language and use the Latin script.

Support for Eircodes in Ireland addresses

Effective in version 5.8.0, Address Verification supports the eircode system in Ireland. An eircode is a seven-character code that uniquely identifies an Ireland address. The eircode system covers all residences, public buildings, and business premises and includes apartment addresses and addresses in rural townlands.

The eircode reference database is not generally available. To obtain the eircode reference database, contact an Informatica Address Verification account manager.

Support for Non-Postal Addresses in New Zealand

Effective in version 5.8.0, you can use Informatica Address Verification to verify non-postal addresses, such as prison addresses, graveyards, highways, and community post boxes, in New Zealand.

Address Verification verifies non-postal addresses in the same way that it verifies postal addresses. You can verify non-postal addresses in batch, interactive, and fast completion modes. Note that New Zealand Post neither recognizes the non-postal addresses nor provides such addresses. To verify non-postal addresses, install the premium reference address database package that Informatica provides. For more information about the premium database package for New Zealand addresses, contact your Informatica sales representative.

Previously, Informatica Address Verification rejected the non-postal addresses in New Zealand as invalid addresses.

Multilanguage Support for Province Information in Switzerland Addresses

Effective in version 5.8.0, Informatica Address Verification extends multilanguage support to province information in Switzerland addresses. Address Verification can return the province information in English, German, French, or Italian.

You can specify the language in the `PreferredLanguage` attribute of the `Result` element in `Parameters.xml`. To return the information in the different languages, download the latest reference data for Switzerland.

By default, Informatica Address Verification returns the information in the main language of the region to which the address belongs. This is the default language in the reference address database. If the reference database does not contain the information in the language that you specify, you receive the information in the default language.

Previously, Address Verification supported multilanguage output only for the locality and street information in Switzerland addresses.

Subbuilding Support for Spain

Effective in version 5.8.0, you can use Informatica Address Verification to return subbuilding information for addresses in Spain. Address Verification supports up to three subbuilding levels in Spain addresses.

To return the subbuilding information, download the latest reference data for Spain.

Input address example

The following address input contains three levels of subbuilding information:

```
<InputData>
  <AddressElements>
    <Country Item="1" Type="NAME">ESP</Country>
    <Locality Item="1" Type="COMPLETE">MADRID</Locality>
    <PostalCode Item="1" Type="UNFORMATTED">28028</PostalCode>
```

```

        <Province Item="1" Type="COUNTRY_STANDARD">MADRID</Province>
    </AddressElements>
    <AddressLines>
        <DeliveryAddressLine Line="1">CL FRANCISCO SILVELA 50 4 B</
DeliveryAddressLine>
    </AddressLines>
</InputData>

```

Output address example

The following address output contains three levels of subbuilding information:

```

<Result ProcessStatus="C4"
ModeUsed="BATCH"
Count="1"
CountOverflow="NO"
CountryISO3="ESP"
PreferredScript="DATABASE"
PreferredLanguage="DATABASE">
    <SubBuilding Type="COMPLETE" Item="1">ESCALERA B</SubBuilding>
    <SubBuilding Type="NAME" Item="1"></SubBuilding>
    <SubBuilding Type="NUMBER" Item="1">B</SubBuilding>
    <SubBuilding Type="DESCRIPTOR" Item="1">ESCALERA</SubBuilding>
    <SubBuilding Type="COMPLETE" Item="2">PLANTA 4</SubBuilding>
    <SubBuilding Type="NAME" Item="2"></SubBuilding>
    <SubBuilding Type="NUMBER" Item="2">4</SubBuilding>
    <SubBuilding Type="DESCRIPTOR" Item="2">PLANTA</SubBuilding>
    <SubBuilding Type="COMPLETE" Item="3">PUERTA B</SubBuilding>
    <SubBuilding Type="NAME" Item="3"></SubBuilding>
    <SubBuilding Type="NUMBER" Item="3">B</SubBuilding>
    <SubBuilding Type="DESCRIPTOR" Item="3">PUERTA</SubBuilding>
</AddressElements>

```

Support for House Number Verification in Taiwan Addresses

Effective in version 5.8.0, Informatica Address Verification verifies the house number information in Taiwan addresses. To verify house numbers in Taiwan addresses, you must install the latest reference address databases for Taiwan.

Address Verification verifies the house number information when you verify addresses in Mandarin Traditional Chinese or in English. However, in the interactive and fast completion modes, you receive the best results for house numbers when you enter Taiwan addresses in Mandarin Traditional Chinese.

Previously, Address Verification supported only parsing of the house number information in Taiwan addresses.

Support for Timor-Leste

Effective in version 5.8.0, you can use Informatica Address Verification to verify addresses from Timor-Leste (East Timor). You can verify addresses from Timor-Leste in batch, interactive, and fast completion modes.

To verify Timor-Leste addresses in the batch or interactive mode, you must install the `TLS5BI.MD` database. To verify Timor-Leste addresses in the fast completion mode, you must install the `TLS5FC.MD` database. The reference address databases for Timor-Leste contain address information up to the street level. Timor-Leste does not have a postal code system. The reference address databases for Timor-Leste are in the Portuguese language and use the Latin script.

Additional Enrichments for United Kingdom Addresses

Effective in version 5.8.0, you can retrieve delivery point type and organization key information as additional enrichments to verified United Kingdom addresses. The organization key is a unique eight-digit code that

Royal Mail assigns to small organizations. The delivery point type is a single-character code that indicates whether the address points to a residence (R), a small organization (O), or a large organization (L).

To receive the delivery point type and organization key, install the supplementary reference address database for the United Kingdom and set the `EnrichmentSupplementaryGB` attribute of the `Process` element in `Parameters.xml` to `ON`.

Support for UPRN in the AddressCodeLookup mode.

Effective in version 5.8.0, you can use the Unique Property Reference Number (UPRN) codes to retrieve the corresponding United Kingdom addresses in the AddressCodeLookup mode. In the AddressCodeLookup mode, you can enter a UPRN and receive the corresponding address in the result output. UPRN is a numeric code that uniquely identifies a land or property unit in the United Kingdom.

To retrieve United Kingdom addresses using UPRN, you must install the address code lookup (AC) database for the United Kingdom, and set the process mode to ADDRESSCODELOOKUP. You must also set the `Type` attribute of the `AddressCode` element in `InputData.xml` to `GBR_UPRN`.

Fixed Issues in Version 5.8.0

The following table describes customer-reported issues that are fixed in version 5.8.0:

Country	CR Number	Description
Brazil	405648	AddressDoctor incorrectly returns "Apt" as a subbuilding abbreviation in a Brazil address instead of "Ap" or "Apto."
China	426641	AddressDoctor might become unresponsive when it validates an address in China.
China	421766	AddressDoctor does not correctly parse a China address that includes post office box information.
Denmark	422054	AddressDoctor does not identify the Danish descriptors "Indg." and "Indgang" as abbreviation for building and entrance in Denmark. For example, AddressDoctor might parse "Indg." as street information.
France	416754	AddressDoctor returns a corrected version of an undeliverable France address. The issue arises for an address that contains Course Spéciale information and street information.
Germany	437980	Address reference data for Germany does not recognize the following address: Neu Gartenstr. 13, 15537 Grünheide (Mark)
Germany	420051	AddressDoctor incorrectly parses the BPM number data, which identifies a packstation, from delivery address lines and formatted address lines in a Germany address.

Country	CR Number	Description
Hong Kong	401686	When an address line in a Hong Kong address contains multiple address elements without comma separators. AddressDoctor parses the address line contents to a building field. The issue arises when the subbuilding elements on the address line do not use descriptors such as "Flat" or "Floor."
Hong Kong	339517	AddressDoctor does not ignore a redundant post code in a Hong Kong address. AddressDoctor downgrades the validity of the process status for a Hong Kong address that includes a redundant post code.
Hungary	378330	AddressDoctor does not support the use of the period character to separate building and subbuilding information in a Hungary address.
Indonesia	422083	AddressDoctor can incorrectly parse street information in an Indonesia address from a delivery address line to a residue field.
Indonesia	422074	AddressDoctor can incorrectly parse subbuilding information in an Indonesia address from the first delivery address line to the second address line.
Indonesia	422073	AddressDoctor can incorrectly parse village information from a delivery address line in an Indonesia address as building information.
Indonesia	358234	AddressDoctor returns house number and street name information in the incorrect order on a delivery address line in an Indonesian address.
Ireland	388398	AddressDoctor might parse subbuilding information to a locality field in an Ireland address.
Japan	434959	AddressDoctor fails to return an address for some Choumei Aza codes in address code lookup mode.
Japan	397695	AddressDoctor parses building numbers and subbuilding numbers incorrectly when the subbuilding information contains two numbers separated by a hyphen.
Malaysia	422879	AddressDoctor fails to parse a delivery address line that includes an Apt abbreviation in a Malaysian address.
Mexico	425982	When the house number data in a Mexico address contains alphanumeric characters, AddressDoctor might fail to validate the address correctly in batch and interactive modes. For example, AddressDoctor might return a V2 process status for an address with a V4 process status in batch mode.
Mexico	425823	When the house number data in a Mexico address contains alphanumeric characters, AddressDoctor might fail to validate the address correctly in interactive mode. For example, AddressDoctor might parse the house number data to a building or subbuilding element and return an I3 process status.
New Zealand	417235	AddressDoctor fails to validate a New Zealand address that contains street and house number information on the second delivery address line in batch mode. AddressDoctor incorrectly parses the street data from the delivery address line to a Street_2 field.

Country	CR Number	Description
New Zealand	416369	AddressDoctor can parse a street name incorrectly in a New Zealand address if the street name includes a number. For example, AddressDoctor parses the street name "State Highway 33" as a street name and a house number.
Portugal	420121	AddressDoctor can fail to parse dependent street information and house number information to formatted address lines in an address in Portugal. The issue can arise when the address contains the "Fracção" subbuilding descriptor.
Russia	422196	AddressDoctor can incorrectly parse Russian subbuilding information from a single delivery address line of street and building information to a second address line.
Russia	416121	AddressDoctor does not validate a Russia address that uses formatted address lines.
Russia	415863	AddressDoctor does not recognize a street name that is not accompanied by a street descriptor.
Turkey	432125	AddressDoctor can remove the Street_1 information and duplicate the Street_2 information in an address in Turkey.
United Kingdom	429108	When the house number or building name in a United Kingdom address includes a slash ("/") character, AddressDoctor can fail to validate the address. If a space character follows the slash character, AddressDoctor might drop the house number that follows the space character.
United Kingdom	417484	AddressDoctor 5.7.0 fails to validate a United Kingdom address correctly in interactive mode when used with the March 2015 release of the GBR5BI_02 reference database.
United Kingdom	417373	When you configure AddressDoctor in interactive mode, AddressDoctor parses building data from a delivery address line to a department field in a United Kingdom address.
United Kingdom	417090	AddressDoctor can fail to parse building and subbuilding data correctly from a single delivery address line in a United Kingdom address. In batch mode, AddressDoctor might drop the subbuilding information from the output address. In interactive mode, AddressDoctor might parse the street name to a building field.
United Kingdom	417080	AddressDoctor fails to correctly parse a United Kingdom address when the address omits street information and includes building information and Locality_3 information on the same line.
United Kingdom	413527	AddressDoctor corrects a United Kingdom address that contains redundant building information but does not omit the building information from the output address in batch mode.
United Kingdom	411244	AddressDoctor returns different numbers of address suggestions when you enter a Great Britain post code as the input data in fast completion mode and in interactive mode.

Country	CR Number	Description
United States	431075	When the house number data in a United States address contains numbers and letters that are separated by a space, AddressDoctor parses the letter character as street information in batch mode.
United States	425276	When a United States address includes an alias street name and a Post Office Box, AddressDoctor does not recognize the alias street name.
United States	424605	AddressDoctor fails to correct an incorrect state abbreviation in a United States in batch mode when the ZIP Code in the address uniquely identifies the address building.
United States	424053	When you validate a United States address, AddressDoctor prioritizes an exact match between the input street name and ZIP Code and the reference data street name and ZIP Code. The issue arises when the reference data contains an address with a similar street name and an exact match for the house number and the ZIP Code.
United States	422072	AddressDoctor fails to parse rural route data from a United States address that contains both street information and rural route information.
United States	420951	AddressDoctor can update a street name in a United States address when you set the matching scope to Locality.
United States	415519	AddressDoctor does not standardize some terms in United States street names, such as Chlds (Children's), Assocs (Associates), and Dist (District).
United States	414721	AddressDoctor might not validate a United States address that uses ordinals such as 3RD in street names.
United States	414719	AddressDoctor does not recognize "FM" as an abbreviation for Farm Road in the following address and failed to return any matching candidates: 7819 FM 275 S, Cumby, TX 75433
United States	414716	AddressDoctor fails to parse street information correctly in a United States address if an abbreviation is added in the middle of the street name.
United States	414169	When AddressDoctor validates a United States address that contains a combination of uppercase and lowercase characters, AddressDoctor returns the address in lowercase characters.
United States	408252	AddressDoctor fails to validate an address in Hawaii that contains a hyphenated house number when the hyphen is replaced by a space character and when the street name is mis-spelled.
United States	403281	AddressDoctor can return different validation results for a United States address in batch and certified modes when the address includes or omits periods from abbreviated descriptors.
United States	401949	AddressDoctor might incorrectly parse a directional abbreviation such as E as a street name in a United States address and move the valid street name to a subbuilding field. The error arises in United States reference data that is older than February 2015.

Country	CR Number	Description
United States	400550	AddressDoctor might split the street information in a rural United States address into a street field and a subbuilding field.
United States	392199	AddressDoctor might fail to validate a United States address that includes alias street information. The issue arises when the fuzzy matching logic in the AddressDoctor engine cannot recognize a match between the input street data and the reference data.
United States	385618	AddressDoctor fails to match a United States address to the correct reference address when the input street information includes a valid house number and a street name that contains minor errors. For example, AddressDoctor fails to correct UNION ST to UNION ST EXT in the following address: 1264 UNION ST, WEST SPRINGFIELD, MASSACHUSETTS, 01089-4015
United States	377971	AddressDoctor might fail to find a match for a street name in a United States address when the matching logic restricts the search to the finance area that the ZIP Code defines.
United States	376852	AddressDoctor does not validate a United States address when the street name contains an extraneous hyphen.
United States	376851	AddressDoctor fails to validate a street name in a United States address when a street post-descriptor is part of the street name and the descriptor is abbreviated. For example, AddressDoctor fails to validate the following address because AVENUE is abbreviated: 10214 E AVE S14, LITTLEROCK, CA 93543
United States	319026	AddressDoctor can fail to return one or more United States addresses from the reference database when the input address begins with a zero and you configure AddressDoctor to run in fast completion mode.
United States	310420	AddressDoctor can fail to validate a United States address if a delivery address line field contains only building information.