Informatica® Address Verification
5.8.1

Release Notes (On-Premises)

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5.8.1
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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.

Informatica Address Verification Installation

This chapter includes the following topics:

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.

Informatica Address Verification Version 5.8.1

This chapter includes the following topics:

Highlights of Informatica Address Verification Version 5.8.1

The following table lists the new features of Informatica Address Verification in version 5.8.1.

New	Support for Eircodes in Ireland addresses
New	Support for Hexaligne 3 level of Service National de L'Adresse (SNA) certification for France addresses

New Features and Enhancements (Version 5.8.1)

Informatica Address Verification introduces the following features in Version 5.8.1:

Support for Eircodes in Ireland Addresses

Effective in version 5.8.1, 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.

For example, if the eircode is `D04 HY45`, Address Verification returns the following address in the batch, interactive, or fast completion mode:

```
Flat 37
Beech Hill Villas
Beech Hill Avenue
```

```
Donnybrook
Dublin 4
Co. Dublin
D04 HY45
```

Support for Hexaligne 3 Level of Service National de L'Adresse Certification for France Addresses

Effective in version 5.8.1, Address Verification uses the Hexaligne 3 repository of Service National de L'Adresse Certification for France Addresses to verify the France addresses in the certified processing mode.

Hexaligne 3 is a master file of France postal addresses. Hexaligne 3 lists all the features specific to the exterior of the building such as entrance, building, apartment block, and residence. Hexaligne 3 applies equally to tower blocks and housing developments.

For example, validate the following input address:

```
<?xml version="1.0" encoding="UTF-8"?>
<InputData>
    <AddressElements>
        <Country Item="1" Type="NAME">FRA</Country>
    </AddressElements>
    <AddressLines>
        <FormattedAddressLine Line="1">BAT A2 RESIDENCE LES MARCHES DU SOLEIL</
FormattedAddressLine>
        <FormattedAddressLine Line="2">67 RUE BENJAMIN ROGER</FormattedAddressLine>
        <FormattedAddressLine Line="3">34200 SETE</FormattedAddressLine>
    </AddressLines>
</InputData>
```

Address Verification returns the following verified address for the input address:

```
<?xml version="1.0" encoding="UTF-8"?>
<AddressLines>
    <FormattedAddressLine Line="1" />
    <FormattedAddressLine Line="2" />
    <FormattedAddressLine Line="3">Bât A2 Résidence les Marches du Soleil</
FormattedAddressLine>
    <FormattedAddressLine Line="4">67 rue Benjamin Roger</FormattedAddressLine>
    <FormattedAddressLine Line="5" />
    <FormattedAddressLine Line="6">34200 Sete</FormattedAddressLine>
</AddressLines>
```

Fixed Issues in Version 5.8.1

The following table describes customer-reported issues that are fixed in version 5.8.1:

Country	CR Number	Description
Ireland	443121	Address Verification incorrectly parses building information in an Ireland address from a formatted address line to a residue field.
Ireland	443119	Address Verification incorrectly expands "St" in the street name as "Street" instead of "Saint" in an Ireland address.
Ireland	443000	Address Verification does not return eircode suggestions for non-unique addresses in Ireland in fast completion mode.

Country	CR Number	Description
Ireland	442927	Address Verification incorrectly parses the subbuilding number data as house number data in an Ireland address from formatted address lines.
Ireland	442919	Address Verification might not return the subbuilding information if you do not enter subbuilding information in the input address of Ireland.
Portugal	426235	Address Verification does not parse house number and subbuilding information correctly in a Portugal address.
United States	442929	Address Verification incorrectly returns "St" as "Street" instead of locality name "Saint" if the AliasLocality is set to "Official" in a United States address.
United States	436702	Address Verification incorrectly parses street type in a United States address.