



Address Verification 5.15.0 Release Notes (On-Premises) April 2019

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

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

Informatica Address Verification Installation

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.

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.

You must install a Java Development Kit on the machine that hosts the Address Verification engine.

If you install Address Verification on an AIX machine, install IBM Java 8 or later. If you install Address Verification on a Solaris machine, install Oracle Java SE 8 or later. If you install on other platforms, install OpenJDK version 8.

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

Operating System	Processor Architecture
Windows Server 2016	x64 (64-bit)
Windows Server 2012 R2	x64 (64-bit)
Windows Server 2008 R2	x64 (64-bit)
SUSE Linux Enterprise Server 12	x64 (64-bit)
SUSE Linux Enterprise Server 11	x64 (64-bit)
Solaris 11	SPARC (64-bit)
RedHat Enterprise Linux 6 and 7	x64 (64-bit)
AIX 7	POWER (64-bit)

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 5.15.0

Highlights of Informatica Address Verification Version 5.15.0

The following table lists the new features of Informatica Address Verification in version 5.15.0:

New	Support for MC as a mailstop descriptor in the United States.
Updated	Improvements to verification when organization information precedes street information on a United States delivery address line.
Updated	Improved parsing and validation of addresses in Japan.
Updated	Improved parsing and validation of addresses in Spain. Improved reference data for Spain.

New Features and Enhancements (Version 5.15.0)

This section lists the new features and enhancements to Informatica Address Verification in different countries in version 5.15.0.

All Countries

Effective in version 5.15.0, Informatica Address Verification retains province information in an output address when the reference data does not contain province information for the country. If the output address is valid without the province data, Address Verification returns a V2 score to indicate that the input address is correct but that the reference database does not contain every element in the address.

Previously, if the address reference data did not contain province information for the country, Address Verification moved the province information to the Residue field and returned a Cx score.

Japan

Effective in version 5.15.0, Informatica Address Verification improves the parsing and validation of Japan addresses based on customer feedback.

Spain

Effective in version 5.15.0, Informatica Address Verification returns an Ix status for an address that requires significant correction to yield a match with an address in the reference data. Previously, Address Verification might correct an address that required significant changes and return an overly optimistic Process Status score for the address.

Additionally, Informatica updates the reference data for Spain.

United States

Informatica Address Verification introduces the following features and enhancements for the United States:

Improvements to United States Addresses

Effective in version 5.15.0, Address Verification can validate a United States address when organization information precedes street information on a delivery address line. Types of organization include universities, hospitals, and corporate offices. Previously, Address Verification returned an Ix process status for the address.

Address Verification recognizes the organization information when the parsing operation also finds a house number and street type in the street information on the delivery address line.

Support for MC as Mailstop Descriptor

Effective in version 5.15.0, Address Verification recognizes MC as an alternative version of MSC, or Mail Stop Code, in United States addresses.

Fixed Issues in Version 5.15.0

The following table describes customer-reported issues that are fixed in version 5.15.0:

Country	CR Number	Description
All	HDS-7821, HDS-7823	When you call the address verification engine in a web service, a validation error might cause the engine to time out in fast completion mode.
All	HDS-7541	The Address Verification engine might stop unexpectedly when the geocoding database includes corrupt data.
Canada	HDS-8392, HDS-8294	Address Verification can return incorrect geocodes for an input postal code when the data in the geocode database contains errors. Address Verification can also provide a locality-level status code (EGC6) for the postal code geocodes.
Canada	HDS-7498	Address Verification returns a Vx status for an address and not Ix status in certified mode. The issue arises when the available street information comprises a number only and the number matches a rural route address available in the reference data.
Canada	HDS-7497	Address Verification returns a Vx process score and not an Ix score for a general delivery address that contains the general delivery information on delivery address line 1.
Canada	HDS-7495	In batch and certified modes, Address Verification returns a Cx process score and not an Ix score for an address with ambiguous or incomplete P.O. Box information. Address Verification corrects the address to a rural route address.
Finland	HDS-7964	When you parse an address with an incorrect sub-building descriptor, Address Verification can return the sub-building number in the house number field.
Finland	HDS-7963	When an input address contains an alphanumeric house number that precedes a sub-building number in a formatted address line input, Address Verification fails to parse the alphanumeric house number to a house number field.

Country	CR Number	Description
Finland	HDS-7962	Address Verification can return different process status scores for an input address when you enter the same address information in formatted address line input and in discrete input fields.
France	HDS-8462	When you verify a CEDEX address in fast completion mode, Address Verification can return different status code values in the address suggestions if the input CEDEX information includes one or more character spaces at the end of the address line. Address Verification can also add locality 2 information to different positions in the address suggestions when one or more character spaces appear at the end of the address line that contains the CEDEX information.
Germany	HDS-8257	When an input address contains a range-based house number information in a delivery address line input, Address Verification incorrectly parses the range-based house number information to a street field.
Germany	HDS-8256	When an input address contains the airport building name TERMINAL in a delivery address line input, Address Verification parses the information as street information. The issue also arises for airport sub-building names such as EBENE and ZENTRALLAGER.
India	HDS-7255	Address Verification can fail to verify a single-line address in fast completion mode and can return an N6 status code.
Japan	HDS-8231	Address Verification fails to recognize the values 郡 and 市町 in a Kanji address when a character space does not appear between the values. Address Verification returns an Ix score for the address when the character space is absent.
Japan	HDS-7950	When building information appears out of sequence in an address, Address Verification can drop the information from the address or move the information to residue.
Japan	HDS-7949	Address Verification can add the value 町 as street information to an output address when 町 appears in the input address as locality information.
Japan	HDS-7851	When sub-building information appears out of sequence in a Latin address, Address Verification can drop the information from the address.
Japan	HDS-7838	Address Verification fails to retain the hyphen [-] present between number values in an input address.
Japan	HDS-7718	When you verify an address in interactive mode, Address Verification can change the order of house number and street number information in the output.
Japan	HDS-7717	When you verify an address in interactive mode, Address Verification can drop the first digit of Street 2 information.
Japan	HDS-7100	When an input address contains non-official locality 3 information, Address Verification can return an incorrect postal code and locality 3 information. The issue arises when you verify the address in interactive mode.
Netherlands	HDS-8414	Address Verification can return a sub-building number in the house number field when the input address does not include a separator between the house number and the sub-building number in a street field. The issue arises when you verify the address in batch mode.

Country	CR Number	Description
South Korea	HDS-8785	Address Verification can split input street information and parse part of the street information to a locality 2 field.
South Korea	HDS-8693	Address Verification can return different results for an address when a character space appears after building information. The issue arises when the character space appears between a building number and a sub-building number or between a building name and a building number.
Spain	HDS-7730	The house number in a given input address might be absent from the reference data. In such cases, Address Verification might correct the address to match a similar address that contains the input house number.
United Kingdom	HDS-7580	When you verify a postal code information in interactive mode, the list of address suggestions that Address Verification returns might include suggestions of another postal code. For example, if you provide the input postal code S65 3SW, Address Verification can return address suggestions for SG5 3SW.
United States	HDS-8682	When an input address adds house number information to the street field and adds multiple zeros to the house number field, Address Verification returns an Ix score for the address in batch mode. The issue coincides with the inclusion of AVE as a street descriptor. When the same address uses AVENUE as a street descriptor, Address Verification returns a Cx score for the address and moves the zeros from the house number field to the street field.
United States	HDS-8295	When a directional indicator precedes a house number on a delivery address line, Address Verification fails to identify the directional information and returns an Ix score for the address.
United States	HDS-8027	Address Verification drops organization information from delivery address line 2 when delivery address line 1 contains numeric information only.
United States	HDS-8026	Address Verification might misidentify street information as organization information and therefore reject an address.
United States	HDS-8025	Address Verification can fail to recognize duplicate house numbers on a street address line and can return an Ix score for the input address. Similarly, Address Verification does not parse the redundant number to a Residue field.
United States	HDS-7844	When a street address line includes an expanded directional indicator, Address Verification fails to parse the directional information. The issue arises when character spaces are absent in the street address line.
United States	HDS-7798	Address Verification might fail to parse directional information that follows street information on a delivery address line. The issue is observed when the street information contains a minor spelling error.
United States	HDS-7797	When the words FRONT OF appear at the beginning of a street name, Address Verification incorrectly parses the two words as sub-building information.
United States	HDS-7796	Address Verification might fail to recognize sub-building information that appears after a street directional abbreviation on a delivery address line.

Country	CR Number	Description
United States	HDS-7534	When an input address contains two sub-building values separated by an ampersand (&) symbol on a delivery address line, with house number and street information on a second delivery address line, Address Verification moves the house number to residue and returns the sub-building number that appears after the & symbol to the house number field.
United States	HDS-7465	If an input address does not contain a character space between the house number and the street name, Address Verification can fail to parse and verify the address correctly. The issue can also arise when a character space is absent between a house number and a directional indicator or between a street name and street descriptor.
United States	HDS-7433	Address Verification might reject an address that needs minor correction and provide house number suggestions for the address in interactive mode.
United States	HDS-6733	Address Verification can fail to cleanse duplicate building or sub-building numbers from an address and retains the duplicate data in the output address.