



Informatica® Address Verification (On-Premises)

6.3.0

Release Guide

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Preface

Read the Informatica Address Verification (On-Premises) Release Guide to learn about the new features and enhancements in Informatica Address Verification (On-Premises).

Informatica Resources

Informatica provides you with a range of product resources through the Informatica Network and other online portals. Use the resources to get the most from your Informatica products and solutions and to learn from other Informatica users and subject matter experts.

Informatica Network

The Informatica Network is the gateway to many resources, including the Informatica Knowledge Base and Informatica Global Customer Support. To enter the Informatica Network, visit <https://network.informatica.com>.

As an Informatica Network member, you have the following options:

- Search the Knowledge Base for product resources.
- View product availability information.
- Create and review your support cases.
- Find your local Informatica User Group Network and collaborate with your peers.

Informatica Knowledge Base

Use the Informatica Knowledge Base to find product resources such as how-to articles, best practices, video tutorials, and answers to frequently asked questions.

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Informatica Documentation

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Informatica Product Availability Matrices

Product Availability Matrices (PAMs) indicate the versions of the operating systems, databases, and types of data sources and targets that a product release supports. You can browse the Informatica PAMs at <https://network.informatica.com/community/informatica-network/product-availability-matrices>.

Informatica Velocity

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You can find Informatica Velocity resources at <http://velocity.informatica.com>. If you have questions, comments, or ideas about Informatica Velocity, contact Informatica Professional Services at ips@informatica.com.

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You can contact a Global Support Center by telephone or through the Informatica Network.

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:

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To find online support resources on the Informatica Network, visit <https://network.informatica.com> and select the eSupport option.

CHAPTER 1

Version 6.3.0

This chapter includes the following topics:

- [New Features and Enhancements \(Version 6.3.0\), 8](#)
- [Changes \(Version 6.3.0\), 11](#)

New Features and Enhancements (Version 6.3.0)

For more information about the features and enhancements in version 6.3.0, see the *Informatica Address Verification 6.3.0 (On-Premises) Developer Guide*.

All Countries

The following new features in Informatica Address Verification 6.3.0 apply to multiple countries.

Additional Data for V or C Addresses in Interactive Mode

Effective in version 6.3.0, you can configure Address Verification to return additional data for addresses that return a V or C score if the data is present in the reference database. The feature operates in interactive mode.

You can set the following options on the property:

- No. The engine does not return additional data. No is the default option.
- ForAllElements. The engine returns all additional data from the database.
- ForPostalRelevantElements. The engine returns additional data for elements that are relevant to postal delivery.

Use the `DeliverAdditionalSuggestions` property to configure the engine to return the data.

Find the property under **Parameters > CountrySets > Result** in the `AVJob.schema.json` file.

Standardization of Address Elements in Invalid Addresses

Effective in version 6.3.0, you can configure Address Verification to standardize address elements in addresses that return I as a Process Status score. When you standardize the data values in an invalid address, you improve the quality of the data for downstream business processes such as deduplication.

Use the `StandardizeInvalidAddresses` property to standardize the address elements in invalid addresses.

Find the property under **Parameters > CountrySets > Standardizations** in the `AVJob.schema.json` file.

Support for Single-Line Address Input in Batch and Interactive Modes

Effective in version 6.3.0, you can submit an address in the single-line address field in batch and interactive modes in addition to quick capture mode.

QuickCapture Mode Enhancements

Effective in version 6.3.0, Informatica Address Verification introduces the following enhancements in QuickCapture mode:

IPv6 Support for IP Addresses

Address Verification supports the IPv6 format for IP addresses in addition to the IPv4 format.

Improved Parsing of Alphanumeric Data Values

Address Verification can parse alphanumeric values with or without spaces between the alphabetic and numeric characters if the values appear in an address that does not form part of a range. For example, Address Verification recognizes *An der B 416 Koblenz* and *An der B416 Koblenz* as the same address.

Improved Handling of Addresses with Similar High Scores

Address Verification can return additional addresses when a single address provides a perfect or near-perfect match with an address in the reference data. When an address provides a perfect match with the reference data, Address Verification returns any other address that fails to match at the same level because an element is missing. When the highest-matching address fails to match perfectly because of a minor error, such as a spelling error, Address Verification returns additional addresses with similar high scores.

Recognition of House Number Suffixes in France Addresses

Address Verification accepts terms such as bis, ter, and quater as house number suffixes in addresses in France.

Click-Through Functionality

You can configure QuickCapture mode to permit an application user to click a non-unique address suggestion and obtain the list of addresses that the address identifies. The click-through process requires that the user enters data once only and can continue through multiple levels of address suggestions.

To enable the click-through capability, add the QuickCaptureResultFilter property to the engine integration. Find the property under **Parameters > Country Sets > Result**.

Recognition of ZIP+4 Codes in Input Data

Address Verification can recognize and parse ZIP+4 Codes in an input address. Address Verification returns the same five-digit ZIP Code result for a nine-digit ZIP+4 Code input and for the corresponding five-digit ZIP Code input.

Austria, Japan, and Korea

Effective in version 6.3, Address Verification can recognize outdated addresses from Austria, Japan, and Korea. You can configure Address Verification to return the outdated address or the current version. Use the AlternativeHandling property to set the policy for outdated addresses.

Find the AlternativeHandling element under **Parameters > CountrySets > Process** in the `AVJob.schema.json` file.

Denmark

Effective in version 6.3.0, Informatica Address Verification improves the parsing of sub-buildings in Denmark addresses. Additionally, Informatica updates the reference data for Denmark.

Hong Kong

Informatica Address Verification introduces the following features and enhancements for Hong Kong:

Geocoding Enrichments for Hong Kong Addresses in the Traditional Chinese Script

Effective in version 6.3.0, Address Verification supports geocoding for Hong Kong addresses in the traditional Chinese script. You can configure Address Verification to return geocodes for a Hong Kong address in the traditional Chinese script to ArrivalPoint and StreetCenter levels of precision.

To return geocodes for the address to ArrivalPoint precision, download the `HKG_ADV_ENR_GAP_000_6_1_0.MD6` database file.

To return geocodes for the address to StreetCenter precision, download the `HKG_ADV_ENR_GST_000_6_1_0.MD6` database file.

CAMEO Enrichments for Hong Kong Addresses in the Traditional Chinese Script

Effective in version 6.3.0, Address Verification supports CAMEO enrichments for Hong Kong addresses in the traditional Chinese script.

To return CAMEO data for the addresses, download the `HKG_ADV_ENR_CAM_000_6_1_0.MD6` database file.

Kosovo

Informatica Address Verification introduces the following features and enhancements for Kosovo:

New Reference Data Files for Kosovo

Effective in version 6.3.0, Informatica provides unique reference databases for Kosovo addresses. Previously, Informatica stored reference data for Kosovo and Serbia in common databases.

Address Verification recognizes XKS and XK as the International Organization for Standardization (ISO) three-character and two-character country codes for Kosovo. Address Verification verifies the ISO country code XKS or XK in an input address. Address Verification returns the ISO code XKS or XK in an output address.

To verify Kosovo addresses in batch or interactive mode, install the `XKS_ADV_VRF_BIA_000_6_3_0.MD6` database.

To verify Kosovo addresses in quick capture mode, install the `XKS_ADV_VRF_QCP_000_6_3_0.MD6` database.

Geocoding Enrichment for Kosovo Addresses

Effective in version 6.3.0, Address Verification supports geocoding for Kosovo addresses. You can configure Address Verification to return geocodes for a Kosovo address to StreetCenter precision.

To return geocodes for a Kosovo address, download the `XKS_ADV_ENR_GST_000_6_3_0.MD6` database file.

Myanmar

Effective in version 6.3.0, Informatica Address Verification can verify and correct Myanmar addresses that contain 7-digit postal codes.

Thailand

Effective in version 6.3.0, Informatica Address Verification supports geocoding for Thailand addresses in the Thai script. You can configure Address Verification to return geocodes for a Thailand address in the Thai script to Rooftop, ArrivalPoint, StreetCenter, LocalityCenter, and PostalCodeCenter levels of precision.

To return geocodes for the address to Rooftop precision, download the `THA_ADV_ENR_GRT_000_6_1_0.MD6` database file.

To return geocodes for the address to ArrivalPoint precision, download the `THA_ADV_ENR_GAP_000_6_1_0.MD6` database file.

To return geocodes for the address to StreetCenter, LocalityCenter, or PostalCodeCenter precision, download the `THA_ADV_ENR_GST_000_6_1_0.MD6` database file.

Changes (Version 6.3.0)

Informatica Address Verification 6.3.0 (On-Premises) includes the following changes in behavior.

Viet Nam

Effective in version 6.3.0, Informatica Address Verification recognizes Viet Nam as the International Organization for Standardization (ISO) name for the country in the English language. Address Verification recognizes both Vietnam and Viet Nam in an input address. Address Verification returns Viet Nam as the English-language name in an output address.

Previously, Address Verification recognized Vietnam and returned Vietnam as the country name in the English language.

CHAPTER 2

Version 6.2.0

This chapter includes the following topic:

- [New Features and Enhancements \(Version 6.2.0\), 12](#)

New Features and Enhancements (Version 6.2.0)

For more information about the features and enhancements in version 6.2.0, see the *Informatica Address Verification 6.2.0 (On-Premises) Developer Guide*.

All Countries

The following new features in Informatica Address Verification 6.2.0 apply to multiple countries.

Location Input in QuickCapture Mode

Effective in version 6.2.0, Address Verification can sort the address suggestion list according to the town or city to which the addresses belong, beginning with the addresses in the nearest town or city. Address Verification sorts the addresses in this manner when you include an IP address or a set of geocoordinates with the input address in QuickCapture mode.

Range Expansion in QuickCapture Mode

Effective in version 6.2.0, Address Verification expands any house number, building number, and postal code number ranges in the addresses that it returns in a suggestion list in QuickCapture mode. Address Verification performs range expansion from the first eligible address in the suggestion list and can continue to the limit that the MaxResultCount property defines.

Match Percentage Calculations in QuickCapture Mode

Effective in version 6.2.0, Address Verification does not return a match percentage score of 100% if an address element is absent in a position adjacent to another element that expects it. For example, a street element may expect a house number element in an adjacent position in an address.

Previously, Address Verification did not rule out 100% match score when an element was absent from an address in a position where another element expected it.

Similarly, Address Verification does not return a 100% match percentage score if part of an address element is absent. For example, a street name may find a partial match in the reference data, such as River Court with Riverdown Court. To calculate the match percentage score, Address Verification presumes that each address element in the input data is the complete version of the element in the address.

Improved Reference Data

Effective in version 6.2.0, Informatica implements improvements in address reference databases that enable faster processing of address jobs. Informatica also delivers general improvements in the quality of the reference data.

New Reference Databases

Effective in version 6.2.0, Informatica provides new reference data files for the following types of reference address databases:

- QuickCapture data.
- GeocodeToAddress data.

The address reference data files include the version number 6_2_0.

Field Delimiters in SingleAddressLine Input

Effective in version 6.2.0, you can specify a field delimiter when you enter data in a SingleAddressLine element. You can use a field delimiter with addresses that you verify in batch, interactive, and certified modes. You can find the field delimiter properties under **Parameters > CountrySets > Input** in the `AVJob.schema.json` file.

France

Effective in version 6.2.0, Informatica provides a reference data file for France that supports address output in mixed case and with diacritics. You can use the file in batch and interactive modes. Informatica provides the file in addition to the current reference data file for France, which is optimized to support the SNA certification standard.

Use the following file for batch and interactive processing:

`FRA_ADV_VRF_BIA_000_6_1_0.MD6`

Use the following file for certified processing:

`FRA_ADV_VRF_BIA_001_6_1_0.MD6`

Russia

Effective in version 6.2.0, Informatica Address Verification supports geocoding for Russia addresses. You can configure Address Verification to return gecodes for a Russia address to ArrivalPoint, PostalCodeCenter, and StreetCenter levels of precision.

To return gecodes for a Russia address to ArrivalPoint precision, download the `RUS_ADV_ENR_GAP_000_6_1_0.MD6` database file.

To return gecodes for a Russia address to StreetCenter precision, download the `RUS_ADV_ENR_GST_000_6_1_0.MD6` database file.

Swaziland

Effective in version 6.2.0, Informatica Address Verification recognizes Eswatini as the name of the state formerly known as Swaziland. Address Verification validates both the former name and the current name of the country in an input address. Address Verification returns Eswatini as the country name in an output address.

United States

Effective in version 6.2.0, Address Verification implements the fallback mechanism of the `VerificationLevel` property for addresses in the United States.

Previously, the fallback mechanism did not cover United States address verification.

The fallback mechanism operates in the following manner: If Address Verification cannot verify an address at the preferred verification level, it attempts to verify the address at the next most precise level. The fallback operation can continue until Address Verification reaches the minimum verification level. You can specify the preferred verification level and the minimum verification level for address verification.

CHAPTER 3

Version 6.1.0

This chapter includes the following topic:

- [New Features and Enhancements \(Version 6.1.0\), 15](#)

New Features and Enhancements (Version 6.1.0)

All Countries

The following new features in Informatica Address Verification 6.1.0 apply to multiple countries.

CAMEO Social and Demographic Profiles

Effective in version 6.1.0, Address Verification returns CAMEO information for addresses in multiple countries.

CAMEO is a consumer classification system that can create socio-economic and demographic profiles of households and neighborhoods in many countries across the world.

Contact Elements

Effective in version 6.1.0, the Salutation property appears as a sub-item of the Name item under ContactElements in the AVJob.schema.json file. Previously, the Salutation property appeared as an item on the same level as Name under ContactElements.

Database Improvements

Effective in version 6.1.0, Informatica implements improvements in address reference databases that enable faster processing of address jobs. Informatica also delivers general improvements in the quality of the reference data.

Note: To run address jobs in version 6.1.0, you must download and use the current file versions. The current address reference data files include the version number 6_1_0. The previous files include the version number 6_0_0.

Language ISO3 Codes

Effective in version 6.1.0, Informatica Address Verification returns the ISO 639 3-letter code of the language that a reference database uses in the LanguageISO3 property. If the reference database does not contain language information, Address Verification returns a value of ??? in the property

Previously, Address Verification returned a value of XXX in the property when the reference database did not contain language information,

Reverse Geocoding

Effective in version 6.1.0, you can submit latitude and longitude coordinates as input in an address verification process. Address Verification returns the closest address or addresses to the coordinates that you submit, based on criteria that you define.

To facilitate reverse geocoding, Address Verification introduces the GeocodeToAddress process mode. GeocodeToAddress mode requires arrival point reference data and returns addresses with arrival point precision.

Support for Address Count in Quick Capture Mode

Effective in version 6.1.0, Address Verification can return the number of addresses in the reference data that match an address that you submit in quick capture mode. Address Verification returns the number on the AddressCount property.

Find the AddressCount property under **Outputs > Results > Variants > StatusValues**.

Note: The address count capability adds the code value P to the ProcessStatus property. The code value indicates that the verification process is incomplete and that the available suggestions from the reference data are not fully extended in the address output.

Support for Microsoft .NET-based Installation Package

Effective in version 6.1.0, Informatica provides an Address Verification package in .NET in addition to the C/C++ and Java-based packages.

Australia

Informatica Address Verification introduces the following features and enhancements for Australia:

Primary and Secondary Indicators in GNAF Data

Effective in version 6.1.0, Address Verification can indicate whether an Australia address is a primary or secondary address. Address Verification can also return the corresponding primary address identifier from the Geocoded National Address File (GNAF) for any valid input address.

Address Verification returns the primary or secondary address indicator in the PrimarySecondaryIndicator field. Address Verification returns the primary address identifier in the PrimaryGNAFID field.

Primary and Secondary Address Indicators

Effective in version 6.1.0, Address Verification can indicate whether an input address is a primary address or a secondary address. A primary address includes house number or building-level information without sub-building data. A secondary address includes sub-building level information.

Address Verification adds the PrimarySecondaryIndicator field to indicate whether an input address is a primary or a secondary address. The PrimarySecondaryIndicator value can be P for primary, or S for secondary, or the field can be empty when the input address is not a multi-resident dwelling.

Primary Address Identifiers

Effective in version 6.1.0, Address Verification can return the GNAF ID value for the corresponding primary address when you submit a valid address as input. Address Verification returns the identifier for the primary address in the PrimaryGNAFID field.

Address Verification returns the GNAF identifier for the input address, including any sub-building that the address identifies, in the GNAFID field. If the input address does not identify a sub-building, the PrimaryGNAFID field and the GNAFID field contain the same value.

Previously, Address Verification returned the GNAF identifier of the input address only, regardless the primary or secondary status of the address.

For example, consider the following address:

```
U 302 241 NORTHBOURNE AVE  
LYNEHAM ACT 2602  
AUS
```

Address Verification returns a value of GAACT718833167 for the address in the GNAFID field and returns a value of GAACT714869504 in the PrimaryGNAFID field. The first value is the GNAF identifier of the complete address, including Unit 302. The second value is the GNAF identifier of the building at 241 NORTHBOURNE AVE.

Support for Delivery Identifiers

Effective in version 6.1.0, Address Verification adds a delivery identifier as a certification value for all valid Australia addresses. The delivery identifier is an eight-digit number that Australia Post assigns to an entire street or locality. The identifier represents all of the addresses in the street or locality.

Address Verification returns the delivery identifier in the DeliveryID field.

Australia Post creates street identifiers in a range from 26,000,000 through 27,999,999 and creates locality identifiers in a range from 28,000,000 through 28,999,999.

Use delivery identifiers to find address suggestions for a partial address. All addresses that correctly identify a given street or locality will share the delivery identifier for that street or locality.

Note: A delivery identifier does not indicate or confirm that an address is valid.

Canada

Effective in version 6.1.0, you can configure Informatica Address Verification to return rooftop-level geocoordinates for addresses in Canada.

Rooftop geocoordinates map to the center of the roof of the primary building on a parcel of land. Rooftop geocoordinates help you to pinpoint an address with the highest level of precision.

To include the rooftop geocoordinates in Canada addresses, install the `CAN_ADV_ENR_GRT_000_6_1_0.MD6` database file and set the Geocoding property of the Enrichments element to *Rooftop*.

Find the Geocoding element under **CountrySets > Process > Enrichments** in the AVJob.schema.json file.

United States

The following new features in Informatica Address Verification 6.1.0 apply to the United States.

County Information from Census Data

Effective in version 6.1.0, Informatica Address Verification returns county information that the United States Census Bureau provides in addition to the county codes that the United States Postal Service (USPS) provides.

Address Verification introduces the following fields for the Census Bureau data:

- **CensusCountyFips.** Returns the county FIPS code that the United States Census stores for a county.
- **CensusCountyName.** Returns the name that the United States Census stores for a county.

Previously, Address Verification returned the Federal Information Processing Standards (FIPS) county identifier that the USPS provided only. Address Verification returns the USPS identifier in the CountyFipsCode field.

For example, consider the following address:

330 HARBOR GLEN DR SW
MADISON, AL, 35756
USA

Address Verification returns a CensusCountyFips value of 089 and a CountyFipsCode value of 083. The Census Bureau returns the county name of Madison in the CensusCountyName field.

Note: The county codes from the United States Census Bureau and from the USPS differ in approximately 5% of cases.

Rooftop Geocoding

Effective in version 6.1.0, you can configure Informatica Address Verification to return rooftop-level geocoordinates for addresses in the United States.

Rooftop geocoordinates map to the center of the roof of the primary building on a parcel of land. Rooftop geocoordinates help you to pinpoint an address with the highest level of precision.

To include the rooftop geocoordinates for United States addresses, install the `USA_ADV_ENR_GRT_000_6_1_0.MD6` database file and set the Geocoding property of the Enrichments element to *Rooftop*.

Find the Geocoding element under **CountrySets > Process > Enrichments** in the AVJob.schema.json file.

Changes in Nomenclature in Address Verification 6.1.0

Informatica Address Verification 6.1.0 changes the names of several parameters, status codes, and options.

Address Elements

The following table lists the address element name changes:

Informatica Address Verification 6.0.0	Informatica Address Verification 6.1.0
SurName	Surname
TrashNecessary	Necessary
TrashSuperfluous	Superfluous
TrashUnrecognized	Unrecognized

CASS Certification Values

The following table lists the CASS Certification Values changes:

Informatica Address Verification 6.0.0	Informatica Address Verification 6.1.0
Lacs	LACSIndicator
LacsLinkIndicator	LACSLinkIndicator
LacsLinkReturncode	LACSLinkReturnCode
SuiteLinkReturncode	SuiteLinkReturnCode

Informatica Address Verification 6.0.0	Informatica Address Verification 6.1.0
DSF2NoStatsIndicator	DPVNoStatIndicator
DSF2NoStatsReason	DPVNoStatReason
DSF2VacantIndicator	DPVVacantIndicator
NDD	DPVNDD

Enrichments

The following table lists the enrichment name changes:

Informatica Address Verification 6.0.0	Informatica Address Verification 6.1.0
ChomeiAzaCode	ChoumeiAzaCode
NewChomeiAzaCode	NewChoumeiAzaCode
CurrentChomeAzaCode	CurrentChoumeiAzaCode

Parameters

The following table lists the parameter name changes:

Informatica Address Verification 6.0.0	Informatica Address Verification 6.1.0
CountryNameType	CountryNameLanguage

Note: Effective in version 6.1.0 the default property on the CountryNameLanguage element accepts the ISO 639-3 code value as the country identifier. Previously, the default property accepted a string in the form Name[XX] where [XX] is the ISO 639-2 code value.

Status Codes

The following table lists the status code name changes:

Informatica Address Verification 6.0.0	Informatica Address Verification 6.1.0
ResultPercentage	MatchPercentage

CHAPTER 4

Version 6.0.0

This chapter includes the following topics:

- [Main Features of Informatica Address Verification 6.0.0, 20](#)
- [Feature Enhancements in Address Verification 6.0.0, 21](#)
- [Changes in Nomenclature in Address Verification 6.0.0, 23](#)

Main Features of Informatica Address Verification 6.0.0

Informatica Address Verification 6.0.0 includes the following features:

Support for JSON

In version 6.0.0, Address Verification defines address requests and responses in JSON and defines the engine configuration in JSON.

Address Verification 5.x used XML to configure the engine and to define address requests and responses.

RESTful interface design

The interface is modelled according to REST principles, using JSON as the data format. Data is submitted to the engine via Put functions, retrieved from the engine via Get functions, and deleted via the Delete function. Data is processed via the Post function.

Support for hot swapping of file sets

Address Verification supports hot swapping of file sets. Hot swapping allows you to switch from one file set to another in seconds without deinitializing the process.

Fail-safe architecture

The main address processing functionality is encapsulated in one or more function servers. Each function server runs as a separate process, isolating the main process from any issues related to the address processing. If a function server fails, the event is reported back to the caller as an error and a new function server is started.

Support for UTF-8 and UTF-16

Address Verification 6.0.0 supports UTF-8 and UTF-16 encoding for input and output. Address Verification sets the encoding to UTF-8 or UTF-16 based on your use of 8-bit or 16-bit API functions.

When you use a function to submit or return a string value with UTF-16 characters, append W to the function name. For example, submit `IDVE_PutStringW()`. For functions that do not pass a string value, such as `IDVE_Delete()` and `IDVE_Deinitialize()`, use the function without W.

Feature Enhancements in Address Verification 6.0.0

Informatica Address Verification 6.0.0 includes the following feature enhancements:

Bulk processing of addresses

Effective in version 6.0.0, you can submit 1000 addresses in a single call in batch and certified modes. The Address Verification engine can operate on an array of inputs, which enables automatic multi-threaded processing of the inputs and also enables the functions that require multiple inputs.

In Address Verification 5.x, Address Verification read and wrote a single address per call in all processing modes.

Country-specific application of properties

Effective in version 6.0.0, you can set address verification properties at the country level in addition to setting the properties at the element level and at the global level.

In Address Verification 5.x, you set properties at the element level and at the global level only.

Country-specific specification of enrichments

Effective in version 6.0.0, you can configure Address Verification to add enrichments globally to all addresses, and you can configure Address Verification to add enrichments on a country-specific basis.

In Address Verification 5.x, Address Verification returned enrichments on a country-specific basis only.

Support for QuickCapture mode

Effective in version 6.0.0, QuickCapture mode replaces fast completion mode. You can use quick capture mode to receive address suggestions as you type. In quick capture mode, you submit an address in a single line. You can receive up to 100 suggestions for an input address in quick capture mode.

Quick capture mode does not support South Korea and North Korea addresses. Quick capture mode does not support input in Latin character sets for Japan and China addresses.

Enhanced validation status code options

Effective in version 6.0.0, Address Verification overhauls the validation status codes to provide greater clarity.

Enhanced preferred language options

Effective in version 6.0.0, you can include a list of preferred languages when you submit addresses for verification. Address Verification searches the reference data and returns each address in the first available language based on the order that you specify in the input list.

You can also configure Address Verification to return each address in multiple languages.

In Address Verification 5.x, you specified a single address when you submitted addresses for verification. If the address was unavailable in the preferred language, Address Verification returned the address in the default language.

Enhanced preferred script options

Effective in version 6.0.0, Address Verification provides separate options to specify the output script, transliteration standard, and the depth of the Latin character sets for an address in the PreferredScript element.

In Address Verification 5.x, Address Verification preset the options when you configured the PreferredScript parameter.

Enhanced geocoding options

Effective in version 6.0.0, you can submit a list of preferred geocoding levels to Address Verification. Address Verification returns the specified geocoordinates based on the order of the geocoding levels that you specify in the input list.

You can also configure Address Verification to return more than one set of geocoordinates in a single request.

In Address Verification 5.x, Address Verification returned a single set of geocoordinates.

Enhanced country determination options

Effective in version 6.0.0, you can specify the input fields that you want Address Verification to consider when it searches for country information.

In Address Verification 5.x, Address Verification read a preset group of fields to determine the country. The country determination options in version 6.0.0 replace the Force Country and Default Country options in version 5.x.

Enhanced casing options

Effective in version 6.0.0, you can configure Address Verification to preserve the casing style of an input address.

Enhanced verification level options

Effective in version 6.0.0, you can specify the desired level and the minimum level to which Address Verification verifies an address.

In Address Verification 5.x, you specified a single desired verification level on the MatchingScope parameter.

Enhanced alias handling options

Effective in version 6.0.0, you can configure Address Verification to return the official name or the alias for all address elements that support alias names.

In Address Verification 5.x, Address Verification provided options to return the official or alias name for street and locality elements only.

Enhanced alternative handling options

Effective in version 6.0.0, Address Verification combines the operations of the MatchingExtendedArchive and MatchingAlternatives parameters into the AlternativeHandling element.

Changes in Nomenclature in Address Verification 6.0.0

Informatica Address Verification 6.0.0 changes the names of several parameters, status codes, and options.

Data Structure

In version 5.x, an `AddressObject` is a data structure that stores an input address, validation parameters, and the result addresses, along with enrichment and status code values. In version 6.0.0, this data structure is called a `Job`.

Processing Modes

The following table lists the name changes for address processing modes:

Informatica Address Verification 5.x	Informatica Address Verification 6.0.0
BATCH	BATCH (no change)
COUNTRY RECOGNITION	Country recognition mode is deprecated
GEOCODING	GEOCODING (no change)
FAST COMPLETION	Fast completion is deprecated in favor of QuickCapture mode
PARSE-ONLY	Parse-only mode is deprecated
INTERACTIVE	INTERACTIVE (no change)

Parameters

The following table lists the parameter name changes:

Informatica Address Verification 5.x	Informatica Address Verification 6.0.0
GlobalPreferredDescriptor	DescriptorLength
MatchingScope	VerificationLevel
MaxLength	MaxItemLength
FlexibleRangeExpansion	RangeExpansionType

Status Codes

The following table lists the status code name changes:

Informatica Address Verification 5.x	Informatica Address Verification 6.0.0
ElementInputStatus	MatchStatus
ElementResultStatus	ResultStatus

Informatica Address Verification 5.x	Informatica Address Verification 6.0.0
ExtElementStatus	ExtendedResultStatus
MailabilityScore	ResultQuality

Address Elements

The following table lists the address element name changes:

Informatica Address Verification 5.x	Informatica Address Verification 6.0.0
Province	AdministrativeDivision
AddressLines	PreformattedData
ReceipientLine	PostalReceipientLine
DeliveryAddressLine	PostalDeliveryAddressLine
FormattedAddressLine	PostalFormattedAddressLine

Geocoding Status Values

The following table lists the geocoding status value name changes:

Informatica Address Verification 5.x	Informatica Address Verification 6.0.0
EGCN	ER_DATA_NOT_AVAILABLE
EGCU	ER_NOT_UNLOCKED
EGCC	ER_DATA_CORRUPT
EGC0	NOTHING_FOUND
EGC4	POCO_BASE_CENTER
EGC5	POCO_CENTER
EGC6	LOCALITY_CENTER
EGC7	STREET_CENTER
EGC8	INTERPOLATED
EGC9	POINT_ARRIVAL_POINT
EGCA	Deprecated
EGCB	POINT_ROOFTOP