



Informatica® Address Verification (On-Premises)

6.0.0

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.

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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

New Features

This chapter includes the following topics:

- [Main Features of Informatica Address Verification 6.0.0, 7](#)
- [Feature Enhancements in Address Verification 6.0.0, 8](#)
- [Changes in Nomenclature in Address Verification 6.0.0, 10](#)

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