

AV3 - GetBestMatches - Recommended

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Returns parsed and validated address elements including Delivery Point Validation (DPV), Residential Delivery Indicator (RDI), and Suite data. GetBestMatches will attempt to validate the input address against a CASS approved engine, and make corrections where possible. Multiple address candidates may be returned if a definitive decision cannot be made by the service.

URL Endpoints

JSON

```
https://trial.serviceobjects.com/AV3/api.svc/GetBestMatchesJson?BusinessName={BUSINESSNAME}&Address={ADDRESS}&Address2={ADDRESS2}&City={CITY}&State={STATE}&PostalCode={POSTALCODE}&LicenseKey={LICENSEKEY}
```

XML

```
https://trial.serviceobjects.com/AV3/api.svc/GetBestMatches?BusinessName={BUSINESSNAME}&Address={ADDRESS}&Address2={ADDRESS2}&City={CITY}&State={STATE}&PostalCode={POSTALCODE}&LicenseKey={LICENSEKEY}
```

GetBestMatches Inputs

Name	Type	Description
BusinessName	String	Name of business associated with this address. Used to append Suite data.
Address	String	Address line of the address to validate. For example, "123 Main Street".
Address2	String	This line is for address information that does not contribute to DPV coding an address. For example "C/O John Smith" does not help validate the address, but is still useful in delivery.
City	String	The city of the address to validate. For example, "New York". The city isn't required, but if one is not provided, the Zip code is required.
State	String	The state of the address to validate. For example, "NY". This does not need to be contracted, full state names will work as well. The state isn't required, but if one is not provided, the Zip code is required.

PostalCode	String	The zip code of the address to validate. A zip code isn't required, but if one is not provided, the City and State are required.
LicenseKey*	String	Your license key to use the service. Sign up for a free trial key at https://www.serviceobjects.com/products/address-geocoding/usps-address-validation

GetBestMatches Outputs

BestMatchesResponse

Name	Type	Values	Description
Addresses	Address[]	Varies	The corrected address candidates.
IsCASS	String	"true" or "false"	Indicates if the unaltered input address is CASS certified. See "What is CASS?" below for more information.
Error	Error	Varies	Error object indicating why the service could not return a result. See "Errors" below for more information.

Address

Name	Type	Values	Description
Address1	String	Varies	The corrected address line 1.
Address2	String	Varies	The corrected address line 2.
City	String	Varies	The corrected city name.
State	String	Varies	The corrected state name.
Zip	String	Varies	The corrected zip code + 4.
IsResidential	String	"true" or "false"	Indicates if the address is for a residence.
DPV ^[1]	String	1-4	Number that correlates to a DPV (Delivery Point Validation) result. A indicator displaying whether or not the address is recognized as deliverable by the USPS.
DPVDesc	String	Varies	Explains DPV result.
DPVNotes	String	Varies	Number that correlates to DPV notes description. Service Objects may add or change Note descriptions, but will never modify existing codes.
DPVNotesDesc	String	Varies	Details about the DPV result. Service Objects may add or change Note descriptions, but will never modify existing codes.
Corrections	String	Varies	Number that correlates to a Corrections Description. Service Objects may add or change Correction descriptions, but will never modify existing codes.

CorrectionsDesc	String	Varies	Description of what was corrected in an address. Service Objects may add or change Correction descriptions, but will never modify existing codes.
BarcodeDigits ^[2]	String	Varies	The post office delivery barcode digits.
CarrierRoute	String	4 chars	4 chars: 1 for the route type, 3 for the route code. Identifies a group of addresses when prepended by 5-digit Zip.
CongressCode	String	Varies	The congress code is the congressional district number.
CountyCode	String	Varies	The county code of the given address.
CountyName	String	Varies	The name of the county in which the given address lies.
FragmentHouse	String	Varies	The parsed house number of the given address.
FragmentPreDir	String	Varies	The parsed pre-directional of the address's street.
FragmentStreet	String	Varies	The parsed name of the street in the given address.
FragmentSuffix	String	Varies	The parsed suffix of the street in the given address.
FragmentPostDir	String	Varies	The parsed post-directional of the address's street.
FragmentUnit	String	Varies	The parsed unit type (e.g. "Apt" or "Ste")
Fragment	String	Varies	The parsed "Fragment" box, apartment or unit number.

FragmentPMBPrefix	String	Varies	The parsed type of apartment, box, unit, etc.
FragmentPMBNumber	String	Varies	The parsed apartment, box, unit, etc. number of the given address.

References

1. [^ CASS and DPV: A Higher Standard for Address Accuracy](#)
2. [^ Address Deduplication Using USPS Barcodes](#)