



Geoscape

Address services



Autocomplete
Validation
Geocoding

Every organisation stores addresses.

We collect addresses from customers and others as a matter of routine.

But many organisations don't check the addresses they collect are valid. And their databases become unwieldy.

Bad data costs you **time** and **money**. There are about **60,000** new addresses created every three months in Australia. Keeping up to date can be a challenge.

What makes a good address?

- Free of typos and misspellings, and unnecessary spaces and characters.
- Recognised and verified by official sources.
- Structured into its component parts – number, street, suburb, state.
- Spatially enabled by appending coordinates of latitude and longitude.

Have your addresses been bad?

Geoscape address services ensure you never hold a bad address.

Benefits for you.

ACCURATE CUSTOMER ADDRESSES

Collect real, clean and structured addresses from your customers.

BETTER CUSTOMER EXPERIENCE

Suggest address matches as your customers type so they quickly select from a pre-populated list.

REDUCED COSTS

Reduce the cost of managing data and using invalid addresses.

BUSINESS INTELLIGENCE

Anonymise and aggregate customer address data for location-enabled segmentation and analysis.

How you get good addresses.

Data Cleansing

Detects and corrects incomplete, inaccurate and invalid address records across your entire database. Costs are reduced and productivity is increased when you use quality data in your operations.

Autocomplete

Predictive text and autocomplete in web forms and mobile apps make it easy for customers and frontline staff to enter an address. It reduces the number of keystrokes required, speeding up form completion and reducing customer drop out.

Validation

Automatic verification and correction of addresses, as they're entered in online forms, prevents data entry errors from entering your systems. And ensures your address data is consistently formatted.

Geocoding

Geocoding turns a street address into a latitude and longitude so it can be plotted on a map. Spatially enabling your address data enables analysis and insight related to customer location.

Reverse Geocoding

Reverse geocoding turns geographic coordinates – latitude and longitude – into an address. It converts a location recognised by a device, like a smartphone, into one easily understood by a person.

Data Enrichment

Combining address data with other types of data enables advanced analytics. Enriching address data this way can reveal patterns and insights that drive competitive advantage and business value.

How Geoscape Address Services are delivered.

Geoscape Products			
Address Services	Batch Processing	Predictive API	Addresses API
Data Cleansing	✓		
Autocomplete		✓	
Validation	✓	✓	✓
Geocoding	✓	✓	✓
Reverse Geocoding			✓
Data Enrichment	✓		✓

Our Services

Geoscape address services operate together to deliver a complete addressing solution.

Batch Processing

CORRECTS

Misspellings and errors, including street type or suburb, are corrected.

COMPLETES

An address component, such as a postcode, is added if missing.

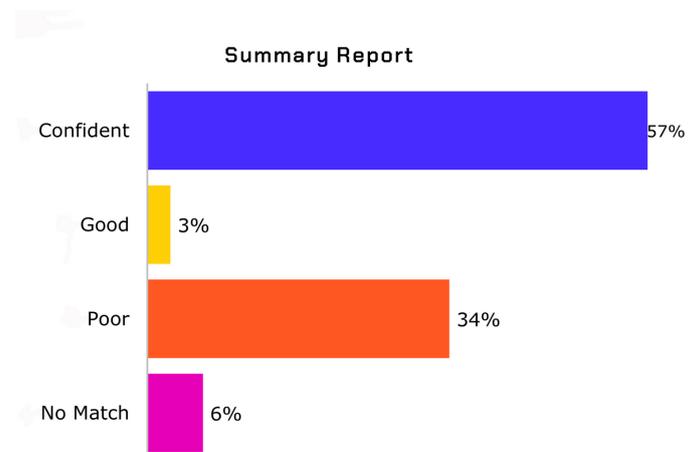
SUGGESTS

Where an address can't be verified, an alternative is suggested.

Batch processing cleans your historical address records.

You provide your address database via secure transfer. We configure and run batch processing. Your addresses are checked against official sources. Each record is given a rating indicating the confidence of a match.

Your data is securely returned to you in .csv or .xls format, with a report summarising the results.



Predictive API

This address verification service embeds in online forms. Your customers or staff select an address from a list that is suggested to them as they type.

The address field in the form is autocompleted. And the address data stored in your system is structured and verified against official sources.

The API spatially enables the addresses you collect by adding a latitude and longitude to each one. And it can be configured to suit your requirements:

- Suggesting addresses across Australia or for individual states and territories.
- Selecting the reference dataset against which addresses are checked.
- Configured for physical or mailing addresses, or both.
- In a variety of coordinate reference systems including GDA2020 and GDA94.

Predictive Address Verification

- 483 GAINSBOROUGH DR, PIMPAMA QLD 4209
- 483 GALSTON RD, DURAL NSW 2158
- 483 GARDENERS RD, ROSEBERY NSW 2018
- 483 GEELONG RD, YARRAVILLE VIC 3013
- 483 GEORGE ST, FITZROY VIC 3065

Predictive Address Verification Demo

Maximum Number of Results

5

State / Territory	Dataset	Address Type	Aliases	CRS
<input checked="" type="checkbox"/> All	<input checked="" type="checkbox"/> All	<input checked="" type="checkbox"/> All	<input type="checkbox"/> Exclude Aliases	<input checked="" type="radio"/> GDA94
<input type="checkbox"/> ACT	<input type="checkbox"/> GNAF	<input type="checkbox"/> Physical		<input type="radio"/> GDA2020
<input type="checkbox"/> QLD	<input type="checkbox"/> GNAF Live	<input type="checkbox"/> Mailing		<input type="radio"/> WGS84
<input type="checkbox"/> NSW	<input type="checkbox"/> Mail Address			<input type="radio"/> AGD66
<input type="checkbox"/> VIC				
<input type="checkbox"/> TAS				
<input type="checkbox"/> SA				
<input type="checkbox"/> NT				
<input type="checkbox"/> WA				
<input type="checkbox"/> OT				

Addresses API

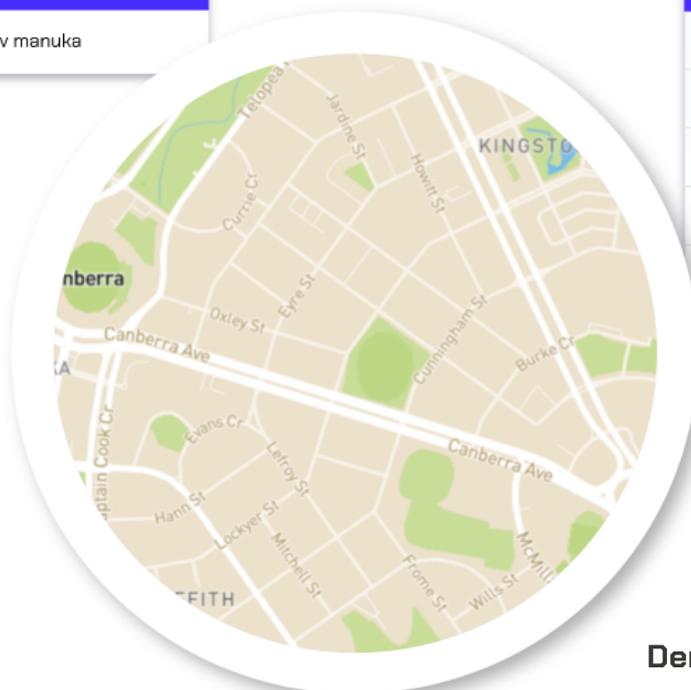
The Addresses API is built into web-enabled applications. It enriches your address data by attaching other types of data to each address. This enables location-based analysis and customer segmentation for enhanced business decision making.

- Local Government Area
- ABS Statistical Area
- Remoteness Index
- Commonwealth Electorate
- State Electorate
- List of Buildings

The service searches using an address string and returns a rating that indicates how confident we are that each returned match is what you were looking for.

Input

Address UNIT 6 113 canberra av manuka



Output

Address	UNIT 6 113 CANBERRA AV, GRIFFITH ACT 2603
Suburb	GRIFFITH
Postcode	2603
Meshblock	80019181000
Latitude	-35.32202098
Longitude	149.14668176

Demo the address geocoder [here](#).

Clean address data enables effective business operation and customer insight in many **industries** and **applications**.

Retail and eCommerce

Improve customer checkout and reduce shipping errors with address autocomplete. Optimise your distribution network by geocoding every delivery address and enabling location analysis.

Banking and Finance

Know your customer. Embed automated address verification into your processes to help confirm people are who they say they are. And get your database digital-ready for online services.

Privacy Notifications

Time and accuracy matter when notifying people affected by a data breach. Reduce data errors. And the cost of preparing data and sending notifications.

Telcommunications & Utilities

Use address verification with daily updated data to verify a customer's identity before providing a service. Ensure technicians can find a site to establish or inspect a service connection.

Government

Embed predictive text and autocomplete into your forms for license or grant applications and service requests. Make entering addresses simple and fast. And prevent errors from entering your systems.

Education

Ensure the address data you collect at student enrolment is accurate. Verify it as it's entered into your system or via batch processing. Avoid the expense and potential mishaps from inaccurate data.

How to get started.

- Create an account at the [Geoscape Developer Portal](#) to experiment with addressing APIs for free.
- [Contact Us](#) for advice on improving the quality of your address data.

If you never capture a bad address again, how much money will you save? How many more sales will you make?

[Ask us how!](#)

About Us

Geoscape data describes the addresses, land, buildings and transport networks across Australia's 7.6 million km². We continuously source, process and deliver location data through APIs, an on-demand portal and a network of expert partners.

- Geoscape Address Services are customisable for a wide range of applications.
- Our reference address dataset of 17 million+ records is updated daily.
- We've managed Australia's Geocoded National Address File for 17 years.

Geoscape Australia is a self-funded public company owned by the governments of Australia.

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