



Geoscape
By PSMA Australia

**Capturing the right address,
the first time**

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Geoscape Customer Success



Workshop

- Who is Geoscape and what do we know about addresses?
- Why is it important to get the right address?
- Geoscape APIs
- Building your web page

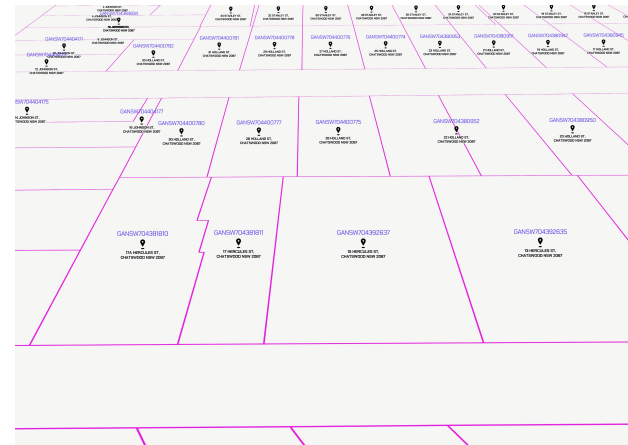
- Resources at geoscape.com.au/Locate22



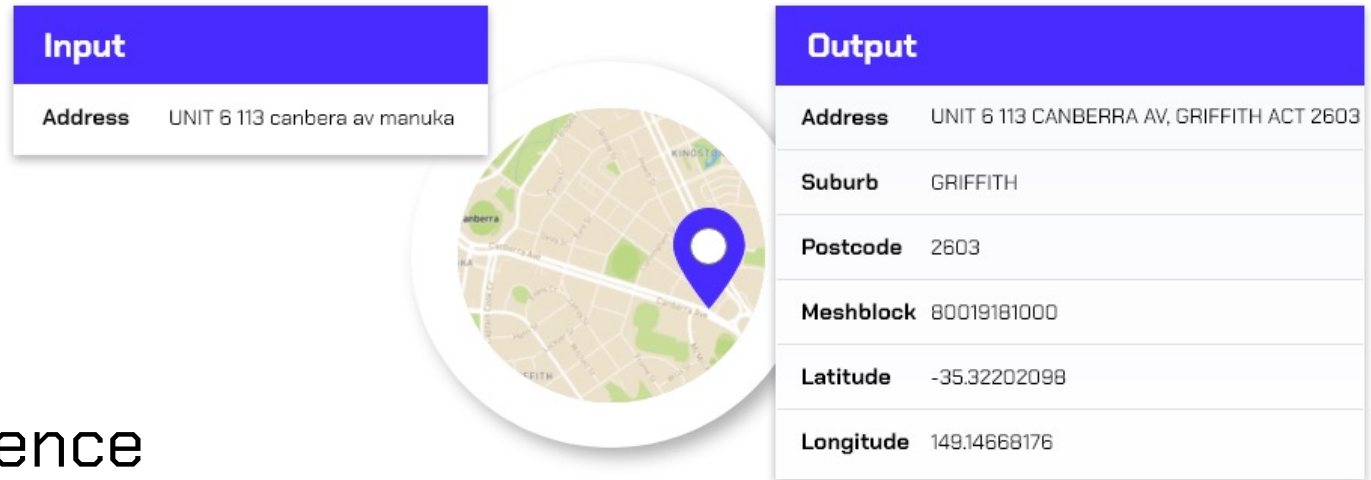
About Geoscape, addresses and G-NAF



- **Geocoded National Address File**
- Australia's most trusted source of address information
- Produced since 2004
- 10 contributors
- Over 15 million addresses, growing 40-60,000 per quarter
- Publicly available at **data.gov.au**



Getting the right information



- Improved customer experience
- The data is validated when it is entered
- Minimise the requirement for address cleansing
- Geotagging of the address
- Enriching the data



Geoscape's Address APIs

- Predictive API
- Addresses API
- Batch API

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

- A usable source of address information
- **Daily** updated address data
- Authoritative sources
- National coverage
- Highly available and scalable



Our customers

- Service NSW
- Census 2021
- Border passes (NSW, QLD, SA and TAS)



Census



Access
Canberra.



smart
service
QUEENSLAND

483 G

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



Other APIs

Mailpoint API

- AMAS certified address validation to PAF
- Auspost delivery point identifier and barcode

Buildings API

- Footprints, roof and eave height, roof, swimming pools

Land Parcels API

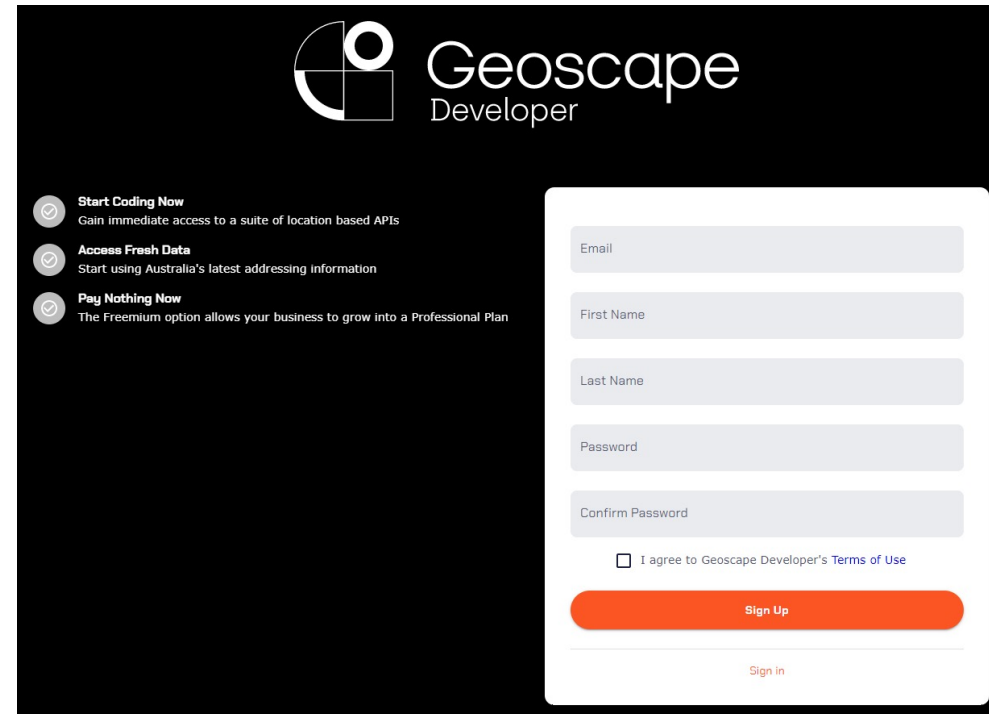
- In BETA
- Geometry, lot/plan, area,

Developer Portal

- Time to sign up!
- developer.geoscape.com.au



The image shows a sign-in form for Geoscape Developer. It features the Geoscape Developer logo at the top left. Below the logo, there are two input fields: one for 'EMAIL' and one for 'PASSWORD'. A prominent orange 'Sign In' button is centered below the fields. At the bottom of the form, there are three links: 'Sign up', 'Reset Password', and 'Resend Verification'.



The image shows a sign-up form for Geoscape Developer. It features the Geoscape Developer logo at the top left. Below the logo, there are three bullet points with checkmarks: 'Start Coding Now' (Gain immediate access to a suite of location based APIs), 'Access Fresh Data' (Start using Australia's latest addressing information), and 'Pay Nothing Now' (The Freemium option allows your business to grow into a Professional Plan). To the right of these points is a sign-up form with five input fields: 'Email', 'First Name', 'Last Name', 'Password', and 'Confirm Password'. Below the fields is a checkbox for 'I agree to Geoscape Developer's Terms of Use'. A prominent orange 'Sign Up' button is centered below the fields. At the bottom of the form, there is a 'Sign in' link.



Developer Portal

A ▼

Geoscape Developer

- Home
- API Keys ▲
 - Create Key
 - My Keys
- Billing ▲
 - Subscriptions
 - Payment Methods
 - Usage Limits
- Usage
- Docs
- Help

Home > Dashboard

Looking for a place to start? Use the interactive API docs to learn about each API how to use it and start building great apps. [Read The Docs](#)

Need an API key to get you started, click the link below to make an API key, define it's scope and other details. [Create Key](#)

Manage your existing API keys from our API key dashboard, see what keys you have and their current stats. [Manage Keys](#)

Subscription Renewal
Thu Jun 23 2022
[View Receipts](#)

Subscription
Freemium
[Manage Subscription](#)

Current Usage Sum
235.1 credits
[View Usage](#)

Current On-Demand Spend
\$0
[Configure Overage](#)

Credit usage for all API keys

Time	Credits

v2.0.0.24

API Key

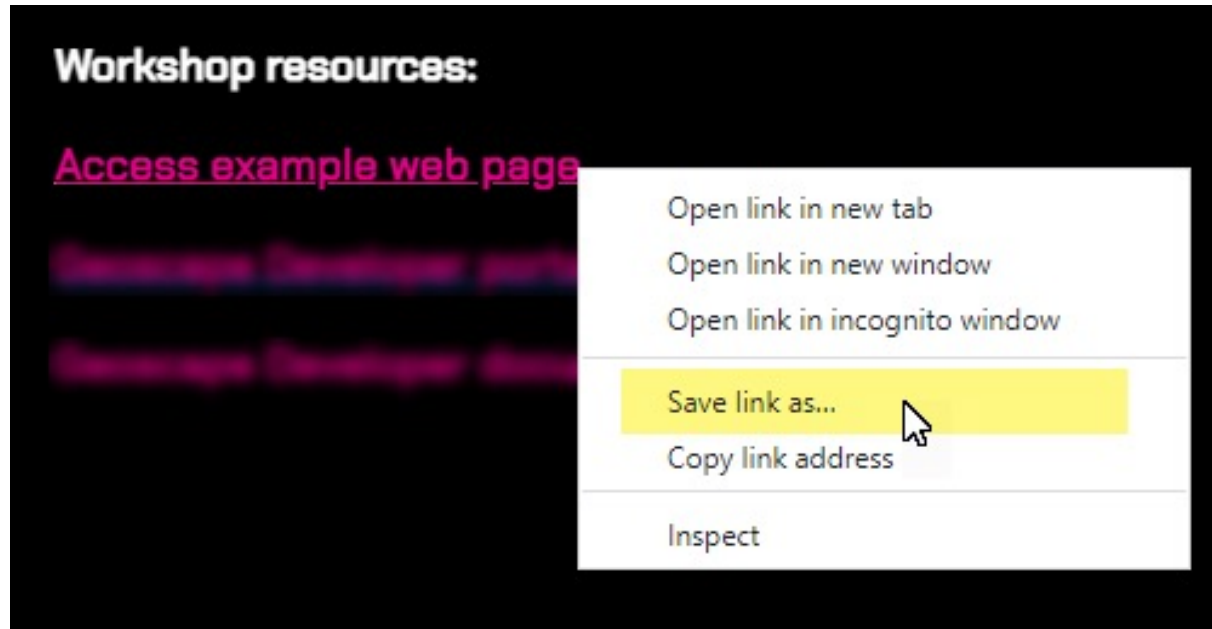
- Create your first API key

The image shows a screenshot of the Geoscape Developer web interface. The main navigation menu on the left includes: Home, API Keys, Create Key, My Keys, Billing, Subscriptions, Payment Methods, Usage Limits, Usage, Docs, and Help. The main content area is titled "Home > Api Keys" and displays a table with columns for Name, Created, Expiry, and Status. A message below the table states, "You don't have any API Keys. Create some!". A "Create Key" button is located at the bottom of the table.

An inset window titled "Home > Api Keys > Create Key" shows the configuration options for a new API key. It includes a list of services with checkboxes: Batches API (unchecked), Predictive API (checked), Buildings API (unchecked), and Addresses API (checked). Below the list is a "Notes" text area and a "Create" button.

Download the web page

- Download the file from **geoscape.com.au/Locate22**
- Right-click and save the file locally



Your web page (the technical bit)

- Open the file in a text editor (like Notepad)
- Paste in your API key
- 'Save as' *.htm

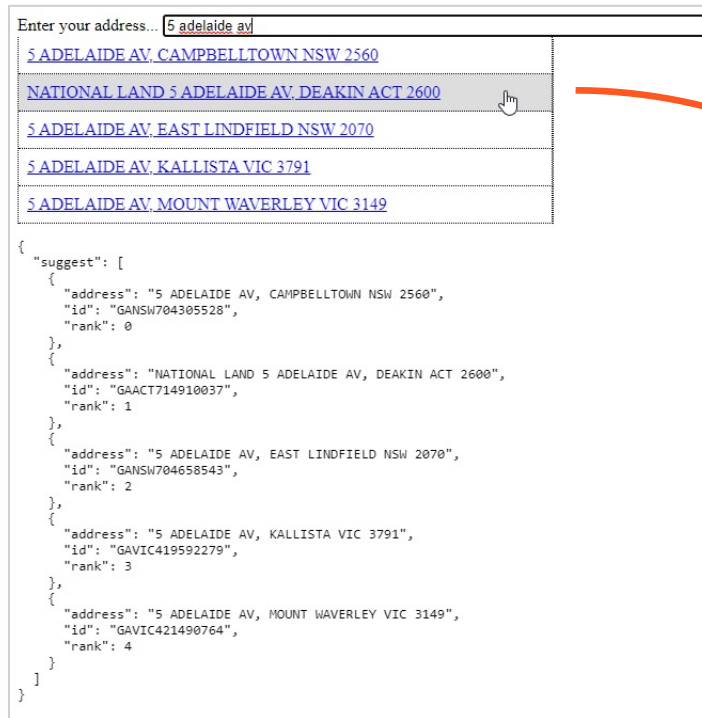
```
<!DOCTYPE html>
<html>
<head>
  <title>Geoscape sample API implementation with JavaScript</title>
  <meta charset="utf-8" />
  <style>
    #suggestions, #textfield { width: 500px; }
    #suggestions { border-left: 1px dotted #000000; border-right: 1px dotted #000000; }
    #suggestions a { padding: 0.5em; width: 100%; display: inline-block; border-bottom: 1px dotted #000000; border:
    #suggestions a:hover { background-color: #dddddd; }
  </style>
</head>
<body>
  Enter your address...
  <input type="text" id="textfield" />
  <div id="suggestions"></div>
  <pre id="results"></pre>

  <script type="text/javascript">
    (function () {
      /******* YOUR API KEY GOES HERE *****/
      /*******
      var apikey = "MfQBZg96u4Pw0gCCAzZxb7J9JmFLxxxxx"
      /*******

      //return address suggestions
      var textbox = document.getElementById("textfield");
      textbox.onkeypress = debounce(function () {
        if (textbox.value.length <= 3)
```


Your web page

- Open the file in a web browser



```
{
  "suggest": [
    {
      "address": "5 ADELAIDE AV, CAMPBELLTOWN NSW 2560",
      "id": "GANSW704305528",
      "rank": 0
    },
    {
      "address": "NATIONAL LAND 5 ADELAIDE AV, DEAKIN ACT 2600",
      "id": "GAACT714910037",
      "rank": 1
    },
    {
      "address": "5 ADELAIDE AV, EAST LINDFIELD NSW 2070",
      "id": "GANSW704658543",
      "rank": 2
    },
    {
      "address": "5 ADELAIDE AV, KALLISTA VIC 3791",
      "id": "GAVIC419592279",
      "rank": 3
    },
    {
      "address": "5 ADELAIDE AV, MOUNT WAVERLEY VIC 3149",
      "id": "GAVIC421490764",
      "rank": 4
    }
  ]
}
```

```
},
  "stateTerritory": "ACT",
  "addressId": "GAACT714910037",
  "jurisdictionId": "303716E320D7D8",
  "addressRecordType": "PRIMARY",
  "aliasPrincipal": "PRINCIPAL",
  "geoFeature": "FRONTAGE CENTRE SETBACK",
  "cadastralIdentifier": "CANB/DEAK/3/1",
  "formattedAddress": "NATIONAL LAND 5 ADELAIDE AV, DEAKIN ACT 2600",
  "localityName": "DEAKIN",
  "postcode": "2600",
  "streetName": "ADELAIDE",
  "streetNumber1": "5",
  "siteName": "NATIONAL LAND",
  "streetType": "AV",
  "streetTypeDescription": "AVENUE",
  "localityNeighbour": [
    "CAPITAL HILL",
    "CURTIN",
    "FORREST",
    "HUGHES",
    "RED HILL",
    "YARRALUMLA"
  ],
  "localityAlias": [
    "CANBERRA CENTRAL",
    "RED HILL"
  ],
  "localityId": "loc75bfec762843",
  "streetLocalityId": "ACT1230",
  "streetAlias": []
},
"geometry": {
  "type": "Point",
  "coordinates": [
    149.11666163,
    -35.31027199
  ]
},
}
```

 **THANKYOU!**

Come and see us

- Exhibition floor booth 40-41

