Geoscape Data Product

Geoscape Cadastre

Spatial representation of cadastral parcels defined by state and territory governments

Geoscape Cadastre is the seamless, spatial representation of legal land parcel boundaries across Australia. With lot, strata, stratum and road plans, **Geoscape Cadastre** provides the boundaries and associated attributes of these features, with linkages to state and territory land registries.

Cadastral parcels represent the smallest area of land that can be sold without further approval to subdivide. These parcels can be referenced by a land title, with the opportunity to link to land registry information, such as the certificate of title or crown lease, valuation information and land descriptions.

For a broader view, Geoscape Land Parcels is made up of **Cadastre, Property and Planning datasets.** The data can be used individually – or in combination – to understand the division and use of Australia's land mass.

Industry Use Cases

Insurance

It is essential for insurance underwriters to understand the precise location of buildings and their proximity to hazardous events such as storms, floods and bushfires. Geoscape Cadastre data, along with Addresses, Buildings, Property and Trees data, can support powerful risk analytics and algorithms. This gives insurers greater confidence that premiums appropriately account for risk.

Visualisation

Geoscape Cadastre includes the ability to visualise a non overlapping base layer of parcels. The full product includes these and overlapping parcels. This is something that can be used effectively by transport companies to aid drivers with more contextual data.

PropTech

By understanding the full potential of an area, real estate companies can determine short- and long-term development opportunities. Integrated interactive map visualisation tools using **Geoscape Cadastre and Geoscape Property data** can help proptech companies identify growth opportunities in an area and track changes over time.

Urban Planning

Geoscape Cadastre data can identify changes in the urban landscape, such as subdivisions of greenfield sites, development of blocks into multi-building dwellings, or new high-rise buildings. Understand site layout and contents, as well as site usage rights, restrictions and responsibilities.

Cadastre Data Features

1 Australia-wide

Geoscape Cadastre is created by processing **cadastral data sourced from Australia's states and territories.** Data attributes are mapped to a standardised schema to ensure a consistent definition across jurisdictions. Associated geometry is cleaned and quality assured to output a topologically consistent layer of Australia's cadastral boundaries.

2 Seamless Integration

With Geoscape Cadastre, you can **connect to the Geocoded National Address File (G-NAF) and Geoscape Address services** through the parcel identifier. Cadastral data can also be used with **other Geoscape datasets, such as Buildings, Property and Planning,** for a complete spatial picture of the built environment. Effortlessly integrate cadastral data into your workflow.

3 Greater accuracy with frequent updates

When state and territory sources improve land boundary accuracy, we seamlessly incorporate these changes into Geoscape Cadastre. This maintains positional accuracy so you have access to accurate, up-to-date data. We handle jurisdictional data model changes and data quality issues, so you can focus on your business.

4 Release reports

Every release of Geoscape Cadastre data is accompanied by a release report. The report includes the latest statistics along with details of issues and enhancements associated with the release.

5 Enhance with the Planning dataset

The Geoscape Planning dataset provides detailed planning zone codes and descriptions for parcels of land across Australia. It combines Geoscape Cadastre with planning zones defined by a state, territory or local government. Look for the classification of sites nationally or develop an understanding of a site's potential. Geoscape Planning is an aspatial dataset so only has spatial coverage once joined to Geoscape Cadastre.

6 A wide range of formats

Geoscape Cadastre data is available in a variety of formats at a national and/or state/ territory level, depending on the file format selected. You can access data for all states and territories or choose your area of interest in the format you need. Our team can also deliver custom data solutions in formats your need to power your application. **Get in touch** with us to learn more.

7 Simplified data model

Both Geoscape Cadastre and Geoscape Property datasets are presented as a single table. Simply traverse between the two datasets with a property_cadastre table. All the information you need is available in a single location. You can access the whole of Australia via one data model rather than working with multiple, complex jurisdictional versions.

8 Straightforward visualisation

Geoscape Cadastre has base parcel attributes that allow simple visualisations of cadastre coverage across all states and territories without overlapping parcels. Parcels with a Parcel Type of 'Lot', and not contained by another parcel, can be part of the base representation.

9 Horizontal and vertical representation

Geoscape Cadastre contains both horizontal and vertical strata parcels. Horizontal strata represent units that do not sit on top of one another, for example, dual occupancies (shared wall), separate dwellings on the same strata plan, and townhouses. Vertical strata represent units or apartments that are above or below one another, for example, high-rise apartment buildings.

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