
Tortoise GIS

Release 0.1.2

Eduardo Ribeiro Rezende

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FIELDS

Provides the supported **Geometry** and **Geography** fields. It has support for `Tortoise.generate_schemas()` for automatic generation.

All **Geometry** fields provide the support for setting a *SRID* on the column. This ensures that the data will be saved with this metadata and will not require a cast to the desired *SRID* upon retrieval.

Note: The storage of the *SRID* is handled entirely by the database. The field only ensures that a *SRID*, if provided, will be passed to the database for it to handle and store as it sees fit.

Example::

```
from tortoise import Model, fields
from tortoise_gis import fields as gis

class TreasureMap(Model):
    title = fields.CharField(32, unique=True)
    start = gis.PointField()
    end = gis.PointField()
    path = gis.LineStringField()

    class Meta:
        table = "treasure_maps"
```

Geospatial integration for Tortoise ORM. This package enables Tortoise ORM to utilize geospatial features and functionalities, integrating GIS databases to the ORM.

This project **IS NOT** production ready. The roadmap for it is described below.

- [V] Add Geometry support.
- [X] Add tests.
- [X] Add support for SpatiaLite and MySQL.
- [X] Add Geography support.

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`