

Dist, Docs, and Testing with OSS on GitHub

Craig Kelly

November 16, 2015

Hello

I'm Craig, a Research Developer for the Institute for Intelligent Systems at the University of Memphis (<http://www.memphis.edu/iis/>).

Our mission depends on an interdisciplinary approach that brings together researchers from many different research areas in the cognitive sciences, including biology, communication sciences and disorders, computer science, education, engineering, linguistics, philosophy, physics, and psychology.

Why Does This Matter?

Grad students!

They generally aren't experienced coders. In some cases they are just learning to program. And they're generally more concerned with DOE than making the database work. So...

What is GLUDB?

(And why should you care?)

- Simplified for the demands of working academics and grad students
- Annotate and go!
- Active Record (-ish)
- Documented-oriented data store with support for indexing
- Includes optional functionality for object change history and backups
- Allows easily moving from dev to server to cloud
- Supports sqlite, MongoDB, Google Cloud Datastore, and Amazon DynamoDB

Is GLUDB for you?

Probably not.

If you want a good, solid ORM then use SQLAlchemy. Or Django's ORM is you're Django'ing. Especially if you care about migrations.

GLUDB can be useful for rapid iteration, hobby projects, or when you need a nice “object store”

Dist, Docs, and Testing

- Dist via PiPy (pypi.python.org)
- Docs via Read The Docs (readthedocs.org)
- Testing via Travis CI

Overview

TODO

How to Implement

TODO

Working Example

TODO

Overview

TODO

How to Implement

TODO

Working Example

TODO

Overview

TODO

How to Implement

TODO

Working Example

TODO