

Ming: An ORM-like Layer for MongoDB



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(I'm the guy giving the talk, not the science fiction dictator depicted above)

What is MongoDB?

- Document-oriented database
 - a.k.a. Schema Free, noSQL
- High-performance
- Open Source
- Indexes
- Reasonable Query Language
- Support for MapReduce

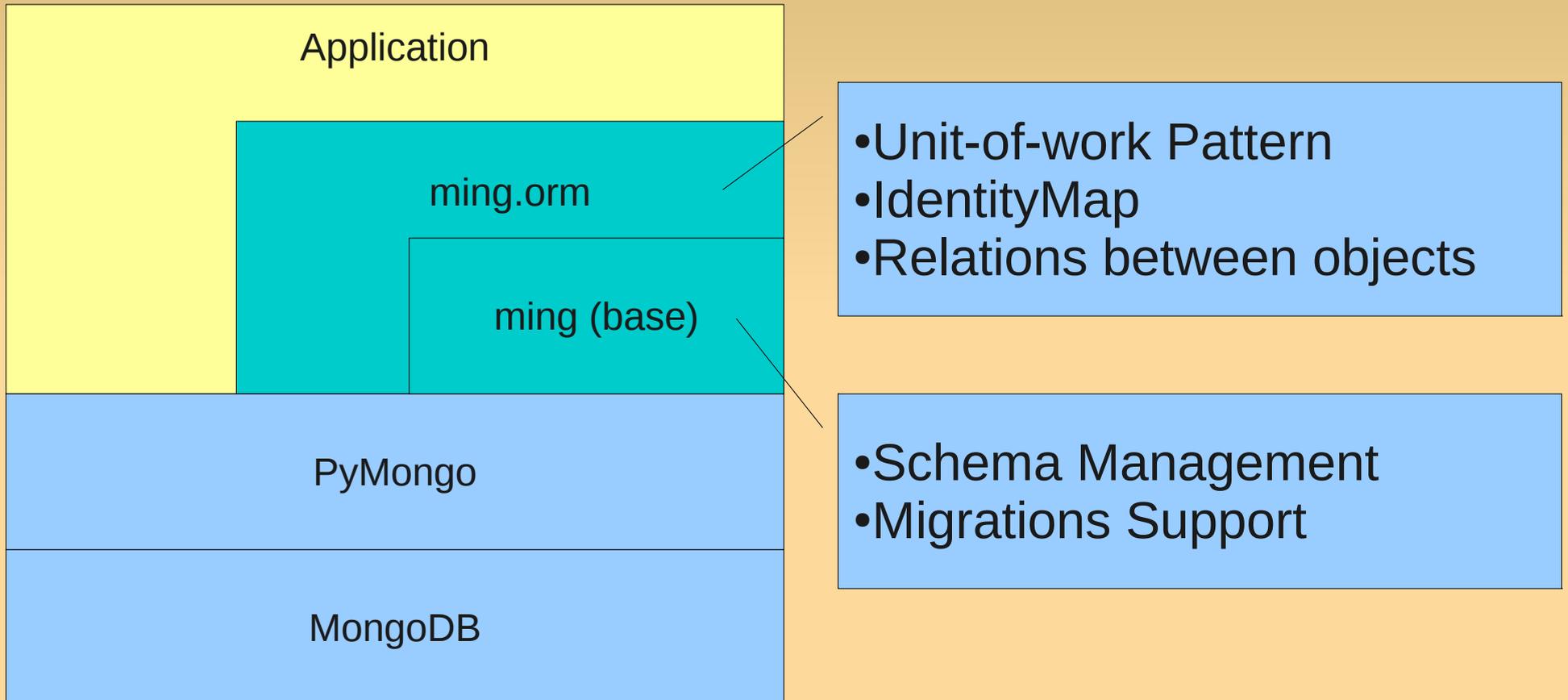
Python and MongoDB

- Main package: PyMongo
- Need to run mongod server
 - I usually use `mongod -dbpath /path/to/my/database`
- Quick demo

That was easy...

- Schema-free is great for prototyping...
- But your database isn't *really* schema-free; it's *schema-implicit*
- Somewhere there's code that expects 'author', 'date', etc., to be part of a blog post – but nothing in the code specifies this.
- Ming to the rescue!

What is Ming?



Base Ming Demo

Ming.orm Features

- Unit-of-work
 - Flush changes all at once to MongoDB
 - No need to manually `.save()` objects
- IdentityMap
 - If an object is the same in the DB, it's the same in memory as well (under Python's 'is' operator)
- Relations between objects
 - Allow one-to-many and many-to-one relations via "foreign keys"

Ming.orm Demo

For More Information

- Project Documentation
 - <http://merciless.sourceforge.net>
- Project Development
 - <http://sourceforge.net/merciless/>
- MongoDB
 - <http://www.mongodb.org>

Questions?

