

Step Away From That Database

Andrew Godwin

DjangoCon 2010

O HAI

**"Andrew speaks English
like a machine gun
speaks bullets."**

Reinout van Rees

Databases

Relational Databases

PostgreSQL

MySQL

SQLite

Document Databases

MongoDB

CouchDB

Key-Value Stores

Cassandra

Redis

Message Queues

AMQP

Celery

Various Others

Graph databases

Filesystems

VCSs

For best results,
Just add Django

Key/Value

```
import redis
rdb = redis.Redis(host="localhost")
rdb.set("somekey", "somevalue")
print rdb.get("somekey")
```

Document Databases

Django itself (soon)

MongoEngine / django-nonrel

Raw

MongoEngine example

```
class Comment(EmbeddedDocument):  
    content = StringField()
```

```
class Page(Document):  
    comments = ListField(  
        EmbeddedDocumentField(Comment)  
    )
```

Message Queues

Celery

Raw

VCSs
Mercurial
Dulwich (git)

NoSQL

~~NoSQL~~

“Not Only SQL”

“Non-rel”

The dark side of
Schemaless Databases

Honey, I Changed The Schema

Database/Branch discord

Conditional madness

Data migrations

Relational Integrity

The changing face of
Relational Databases

Schemas ain't so rigid

JSON column types

LISTEN / NOTIFY

There's no single good solution.

There's no single good solution.
(and friends don't let friends use MySQL)

Thanks.

Andrew Godwin

@andrewgodwin

<http://aeracode.org>