Fixed in rizzle

No More “GOTCHAs”

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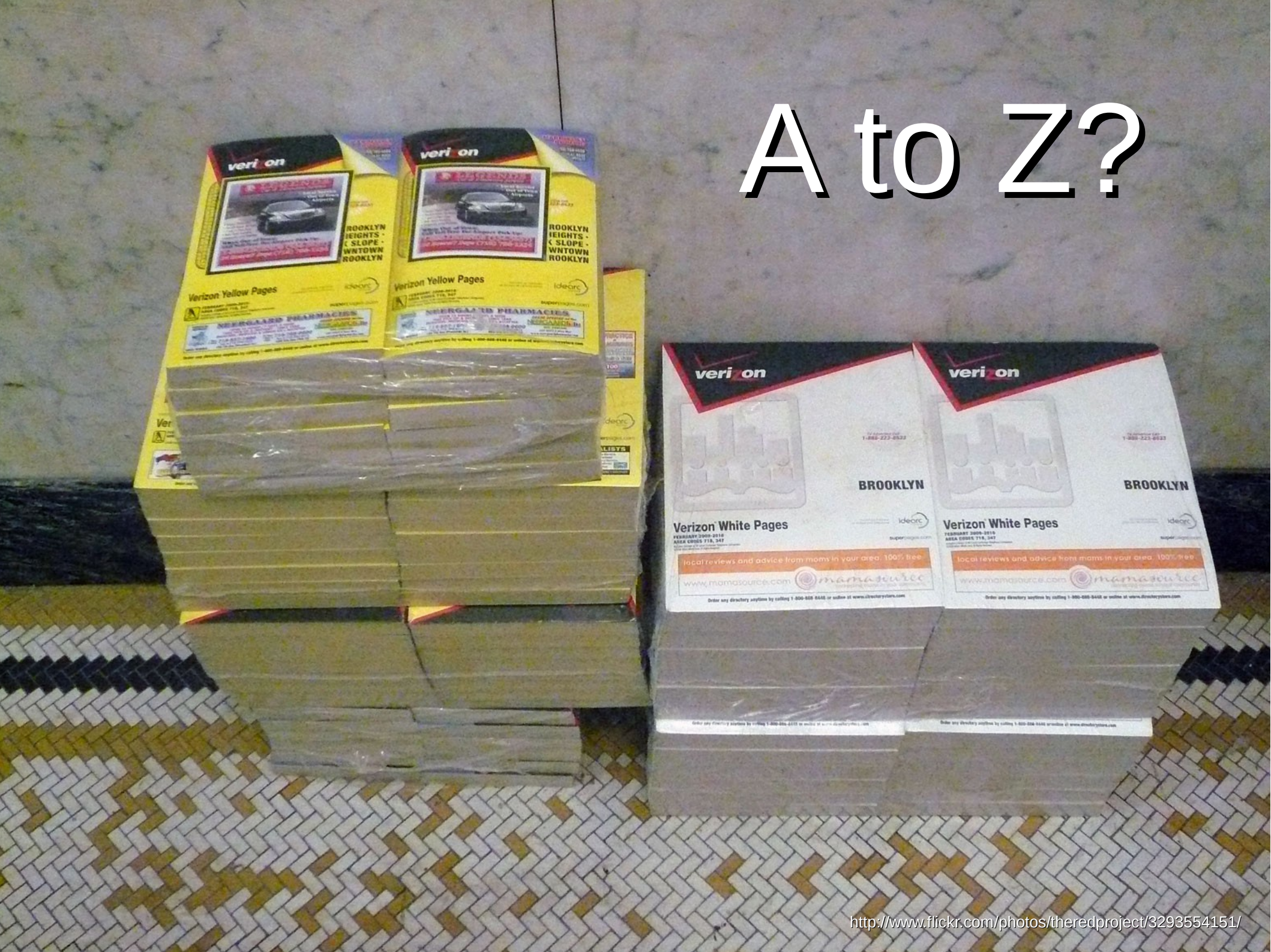
Originally by Stewart Smith

A to Z?



http://www.flickr.com/photos/theredproject/3293554151/

Some client side changes...

No Embedded Server

fork() your own

http://www.flickr.com/photos/dvs/71316775/

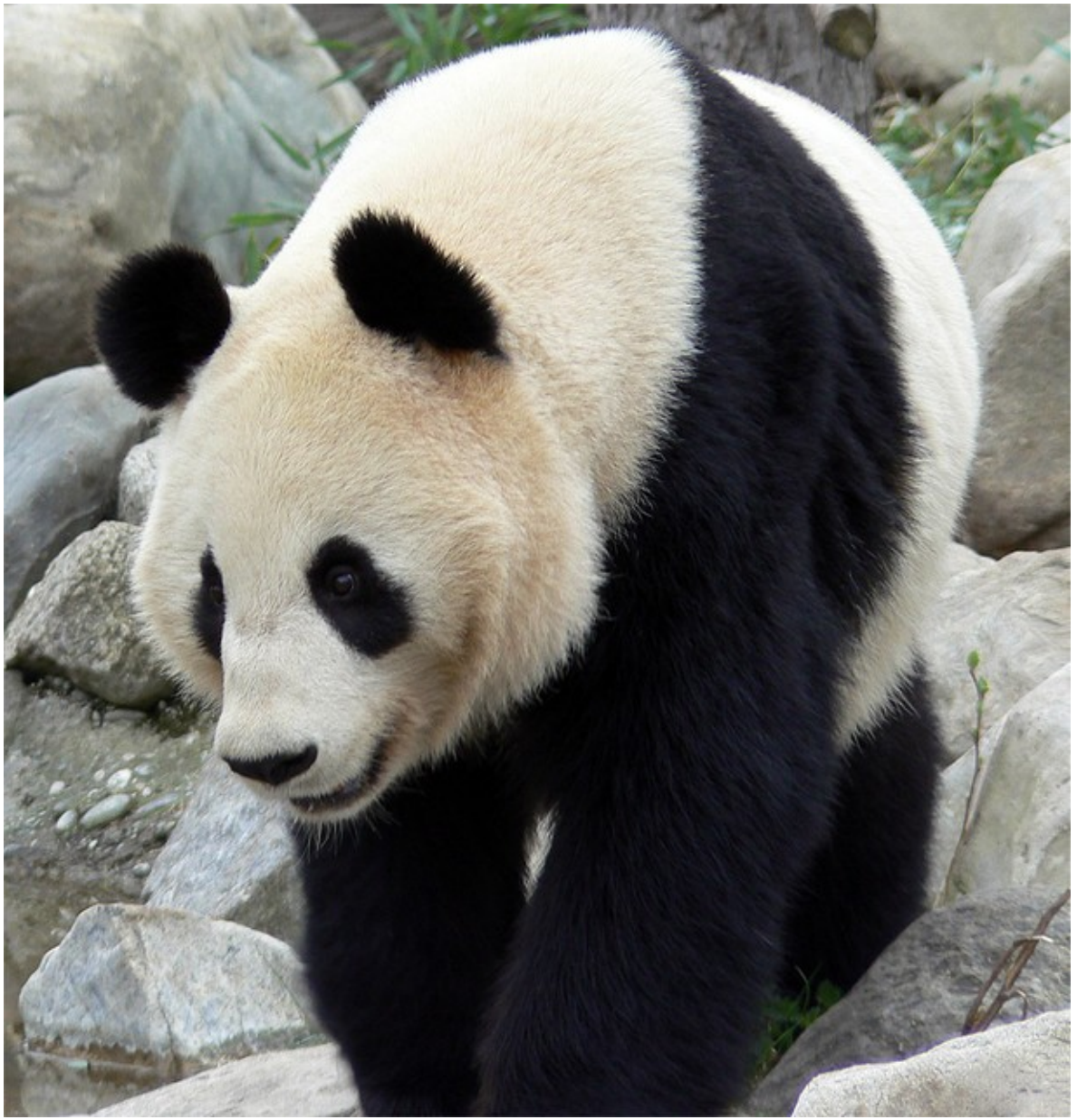
Memory protection ++

http://www.flickr.com/photos/craigloftus/3998641003/

No mysql_install_db

Don't secretly connect you somewhere else

```
$ mysql -hlocalhost
ERROR 2002 (HY000): Can't connect to local MySQL server
through socket '/var/run/mysqld/mysqld.sock' (2)
```



I swear I was doing DROP DATABASE against the test database...

http://www.flickr.com/photos/mozzercork/126255672/

-p is port not password

MySQL compatibility tip:
Use 3306 as your password on all systems :-)

libdrizzle: BSD

```
drizzle> select count(*) from arguments
where topic='client license';
+-----------+
| count(*) |
+-----------+
|         0 |
+-----------+
1 row in set (0.001836 sec)
```

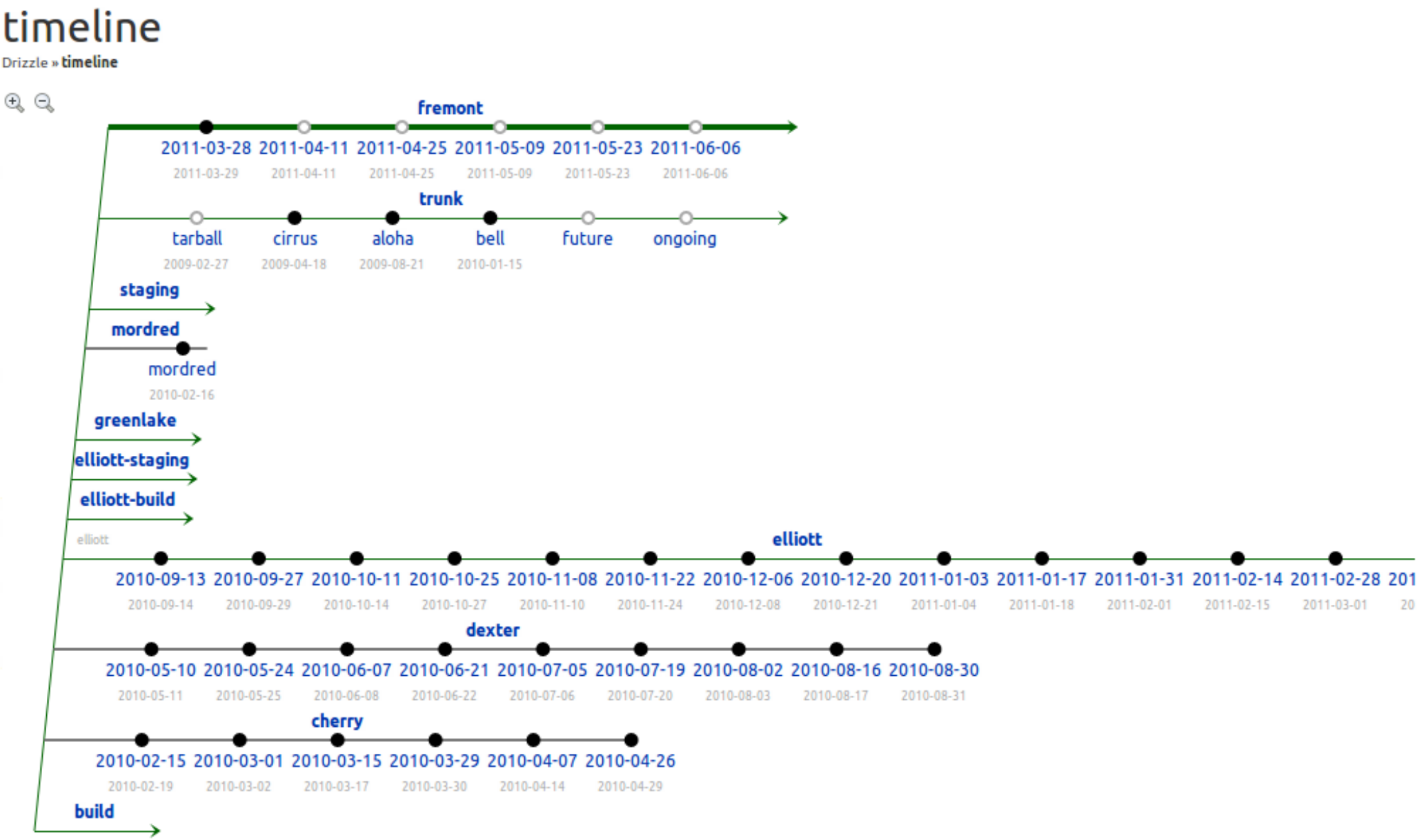
drizzledump

In the server:

POSIX

Packages

http://www.flickr.com/photos/creative_tools/5299374697/



Regular Releases

Most tested FOSS RDBMS

Transactional

InnoDB

UTF-8

STRICT

No year zero

No month zero

No zeroth day of month

Bad ENUM is not "

1/0 is not NULL

Everything is UTC

No implicit cartesian joins

```
SELECT * from t1,t2;
```

```
SELECT * from
t1 CROSS JOIN t2;
```

WHERE

Not:

WHERE 1;

No implicit COMMIT

No TINYBLOB

No TINYINT

No 3 byte int

UUID Type

IPv6 Type

Real BOOLEAN

INFORMATION_SCHEMA
is standard

DATA_DICTIONARY is Drizzle specific

Table functions

Real Storage Engine

Parser

EXECUTE

Modular source code

Embraced plugins

UDFs and functions become one

Embraced clean interfaces

Avoid NIH

C++, STL, Boost, protobuf

Global mutex bad

Parallel good

Pluggable Protocol

Pluggable logging

Log to syslog

Log to gearman

Log to libnotify?

Hooks and API

Before/after Row hooks

PBMS and replication

Pluggable Authentication

Pluggable Authorisation

Pluggable Access

PAM

Regex

Storage Engine API

Drizzle

FRM is dead

Table protobuf

Replication

Backup

CATALOG

Drizzle