Zmanda Recovery Manager for MySQL:
Roadmap, Vision and Demonstration

Paddy Sreenivasan
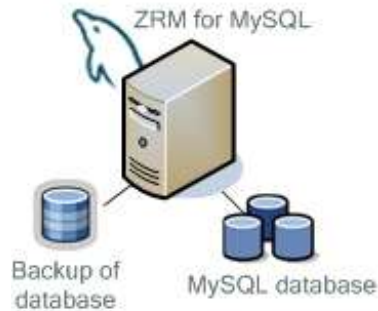
paddy@zmanda.com

MySQL Users Conference 2007

April 25, 2007
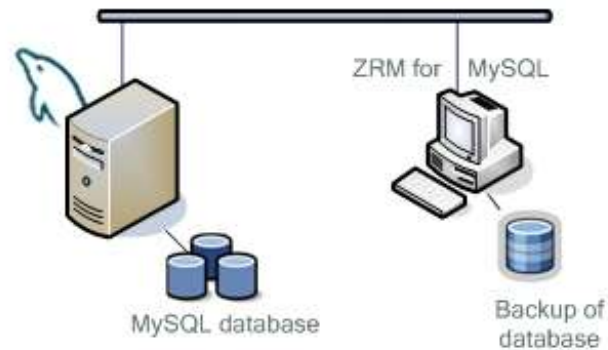
Zmanda Recovery Manager for MySQL

- Backup live database with minimal impact on application and users

- Versatile
  - support for a variety of MySQL implementations
  - scale up and scale out
  - backup of local or remote MySQL servers
  - intelligent about underlying storage

- Granular Recovery Point Objective
  - Often time a DBA wants to go back to a particular database event

- Enterprise management functionality
  - Flexible scheduler
  - Backup policy
  - Monitoring and reporting
  - Event notifications (including RSS feeds)
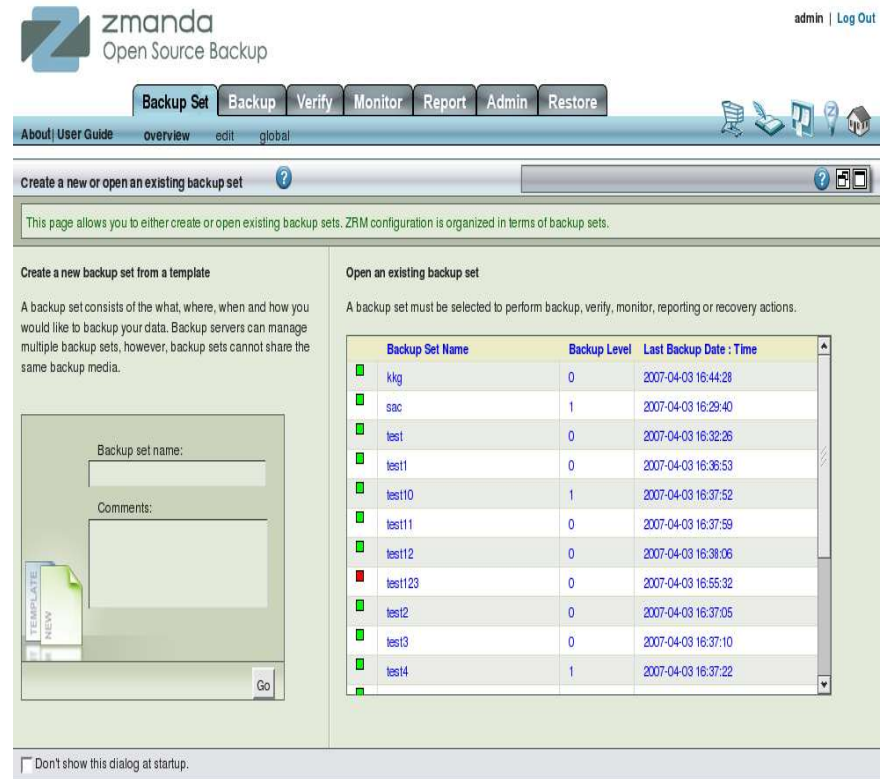
- Flexible, easy to use and secure

- Recover database easily to any point in time or to any particular database event

- Schedule full and incremental, logical or raw backups of MySQL databases

- Perform backup that is the best match for used storage engine and MySQL configuration

- Enforcement of site or application specific backup policy, Plugin architecture

3

Backup Method	No Locking	DDL	Snapshot	Remote	Free	All Engines	All Tables	Text File	Recover Corruption
MySQL Online Backup	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
mysqldump	No	Option	No	Yes	Yes	Yes	Yes	Yes	Yes
Replication	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No
OS level copy + Snapshot	No	Yes	Yes	No	Yes	No	Yes	No	Yes
mysqlhotcopy	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes
InnoDB HotBackup	Yes	Yes	Yes	No	No	No	Yes	No	Yes
SELECT . . .INTO OUTF	Engine Dependent	No	No	Yes	Yes	Yes	No	Yes	Yes

Roadmap

- Zmanda Management Console

- MySQL backup reporting improvements (including MySQL log analyzer)

- Backups using Online Backup API

- Deeper integration with MySQL applications

- Support for more storage engines

- Enhancements for MySQL on Windows

- Backups to storage grids - Amazon S3

5

Backup and Recovery of Falcon Database

1. Full backup of Falcon Database
2. Make some changes to the Database
3. Incremental backup
4. Backup reports
5. Restoration of the Database

How to get more information?

- MySQL users conference booth 415

- ZRM for MySQL talk today at 3:35pm

- Keynote by Chander Kant on Thursday 9:50am

- Home page http://www.zmanda.com/backup-mysql.html

- Download from http://www.zmanda.com/downloads.html