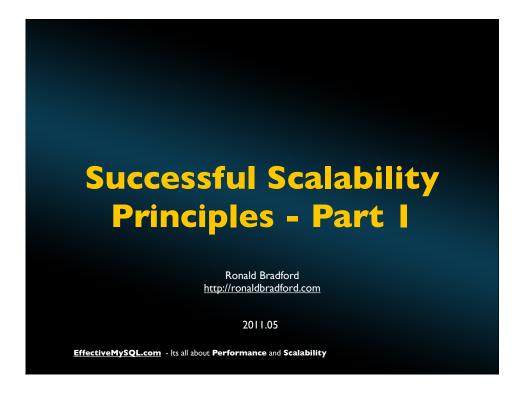
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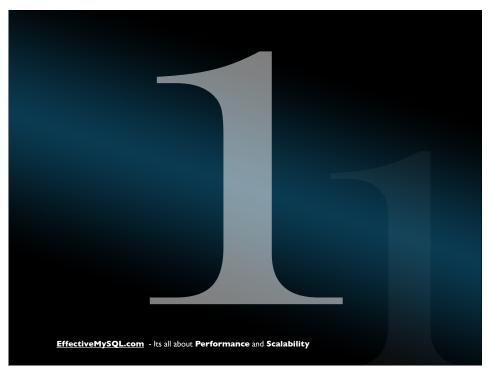


## OUTLINE

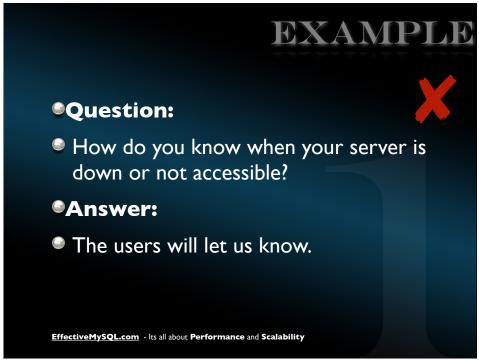
### **Necessary Principles**

- System Architecture
- Data Availability
- Best Practices
- Being proactive

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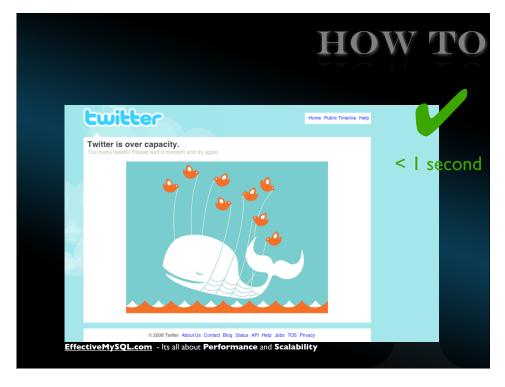








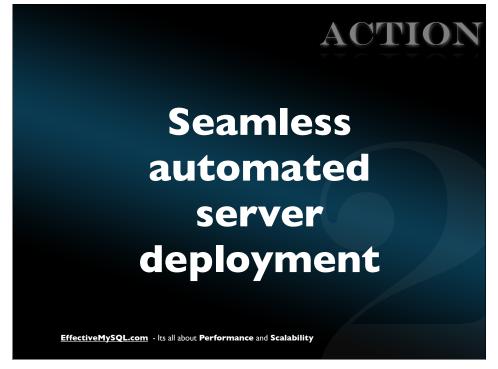
















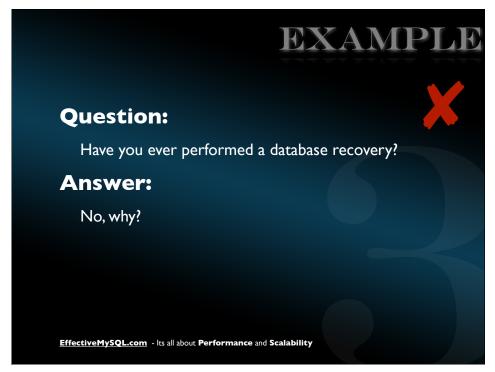


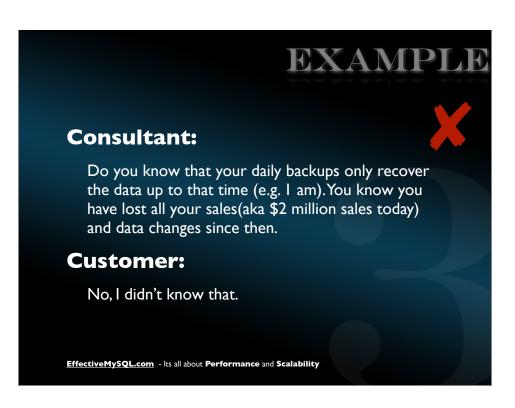




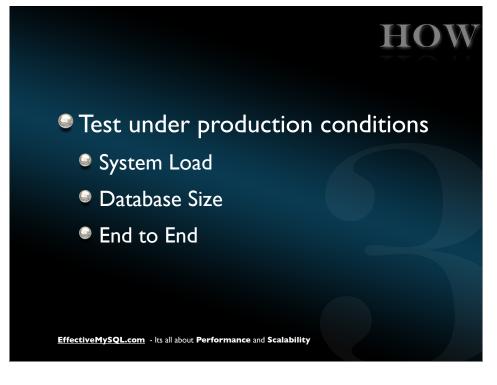






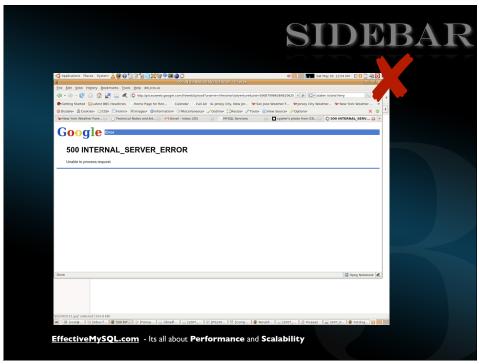


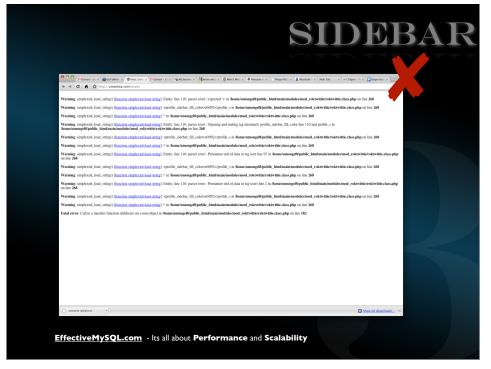


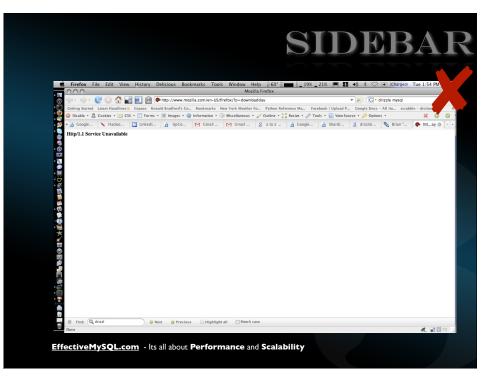










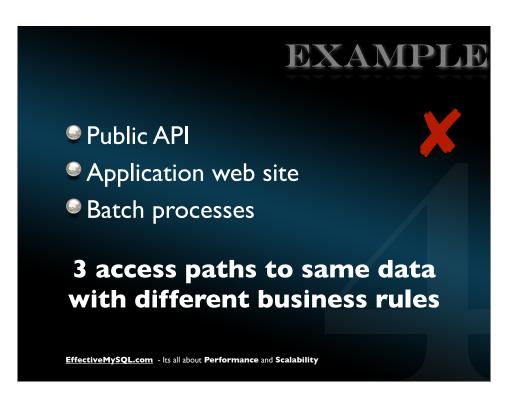








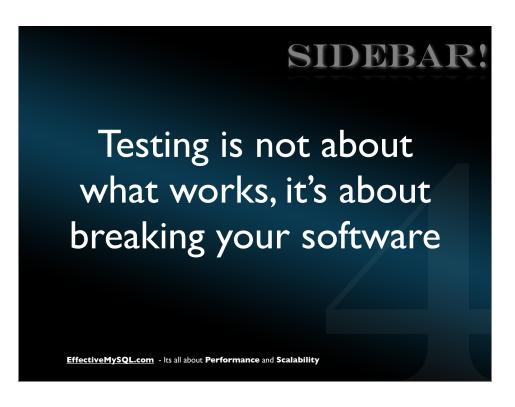








## REQUIREMENTS Input Specification Output Specification Standard for data communication Throughput needs Latency requirements EffectiveMySQL.com - Its all about Performance and Scalability







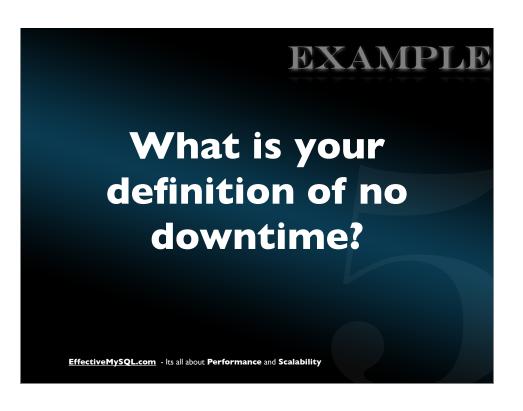


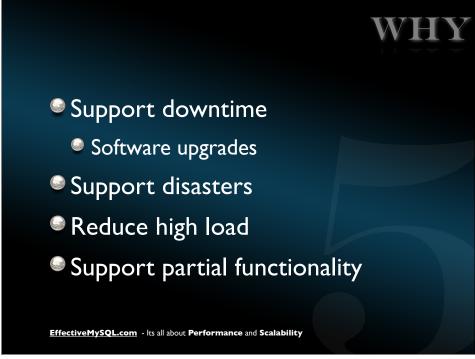






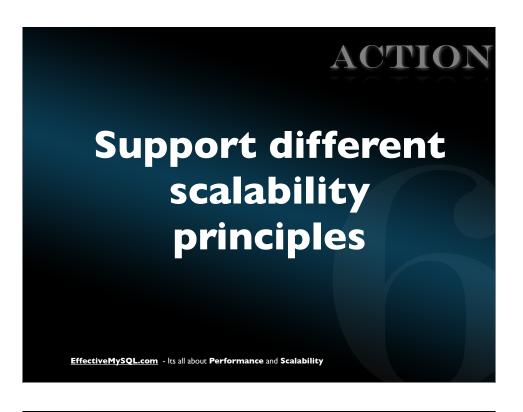












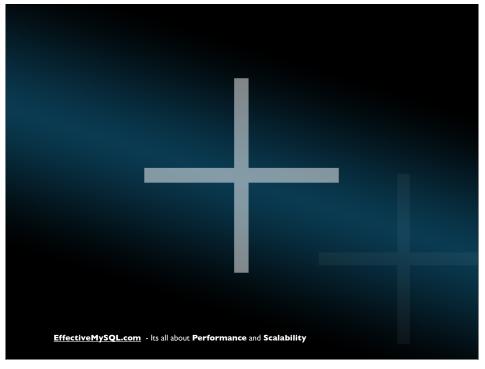






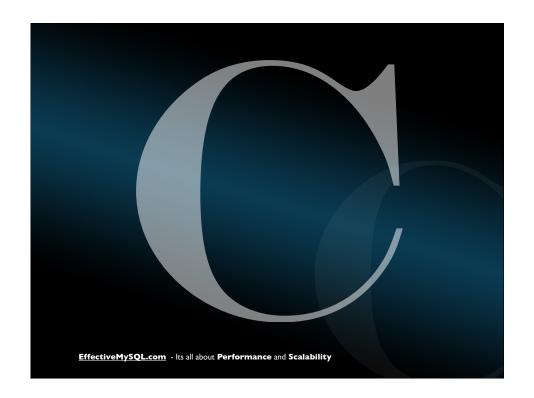








# Reduce deployment time The right business metrics Team dynamics Managing risk Continual improvement Data interoperability Write once data Consistency



## CONCLUSION

- Monitoring. Before, during and after NOW.
- You may not be able to predict the future but you can preempt the future.
- Operate below 90%. That 10% is your insurance policy. Invest in insurance.

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## CONCLUSION

- Does your business exist without your data?
- How long can your site be unavailable before customers go elsewhere?

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## Support 3 levels of real time data access Read/Write, Read and no access Support 3 different aspects of scalability Read, Write and Caching

# • If you can't drive without a mouse, find somebody that can. EffectiveMySQL.com - Its all about Performance and Scalability

## REFERENCE

### **Presentation**

The most common MySQL scalability mistakes, and how to avoid them.

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## REFERENCE

- I. My website is slow?
- 2. I want to add new H/W. How do I change my application to support this?
- 3. The database is slow. My webpage takes five seconds to load.
- 4. Why is my database executing so many qps?
- 5. My server has crashed with a hard drive failure
- 6. My replication slave can't keep up?
- 7. I can't access my website?
- 8. Why is my database so large?
- 9. My website seems to freeze or responds randomly?

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