



**DevOps Borat**

@DEVOPS\_BORAT

 **Follow**

To make error is human. To propagate error to all server in automatic way is [#devops](#).

RETWEETS

3,083

LIKES

1,288



11:55 AM - 26 Feb 2011

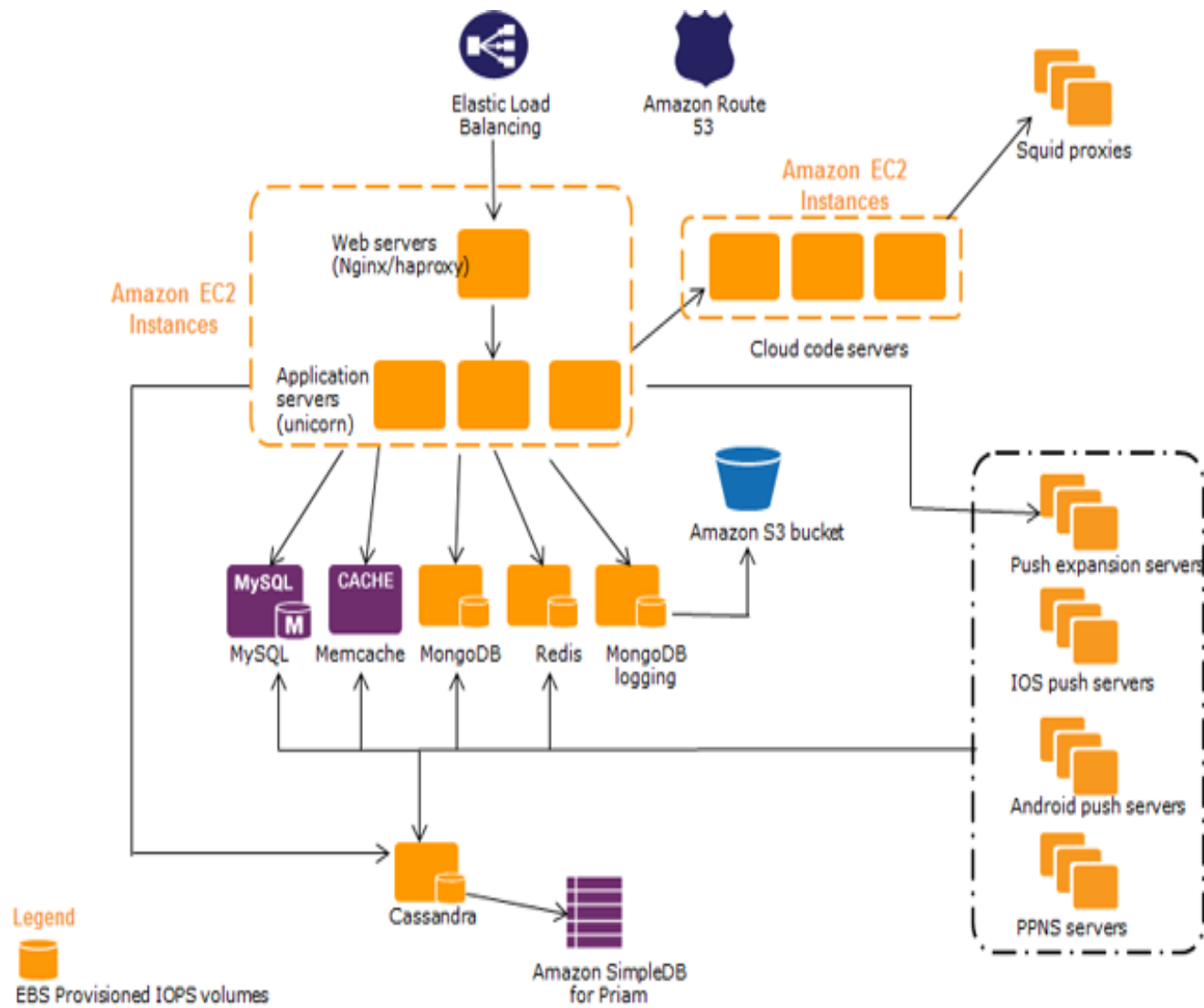


3.1K



1.3K





# Do DevOps Like LANCE ARMSTRONG!

*Yahya Poonawala **ShopSocially** @meetykp*

*Siddharth Kulkarni **ThoughtWorks** @sid\_thinketh*

*THE INFRASTRUCTURE is  
CODE*

## WITHOUT IAC (GAMING COMPANY)

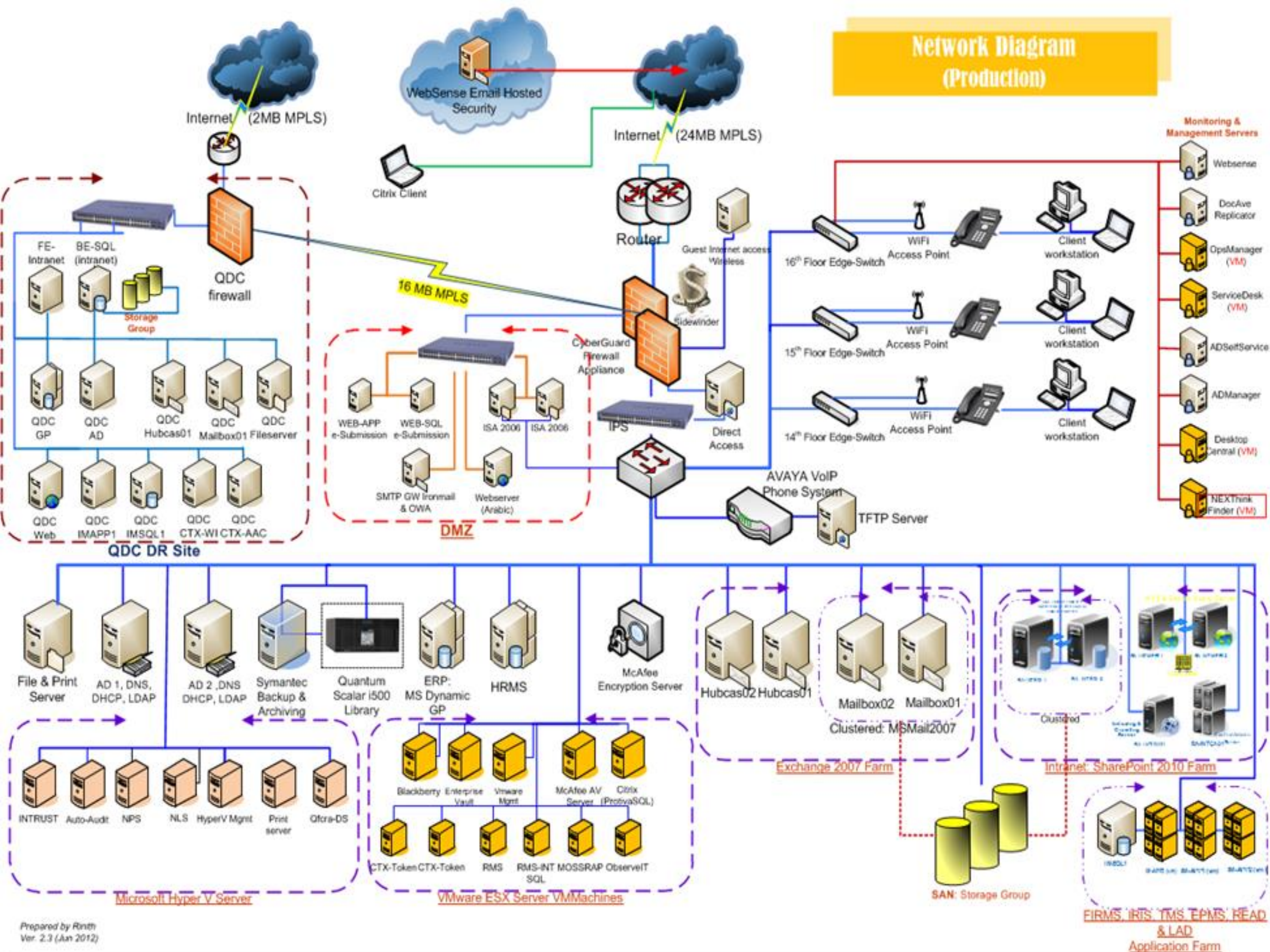
- 40 People Involved
- Once A Month Deployment
- 2 Hours Downtime
- Deployment To 60 Servers
- Mostly manual
- No tests

## WITH IAC (AMAZON)

- Single Person Can Deploy
- Deployment every 11.6 secs
- No Downtime
- Deployment to 30k servers
- Everything automated
- Completely tested



# Network Diagram (Production)



# IN A NUTSHELL...

- Faster time to market
- Increased organizational agility
- Higher quality

# WHY DO WE NEED TO TEST OUR INFRASTRUCTURE?

- High confidence in changes
- Quick and immediate feedback
- Shorter release cycle for applications
- Maintain sanity of the infrastructure





*WHAT DO WE NEED TO  
TEST??*

# CASE STUDY

## REQUIREMENTS

- Customer is able to visit the site and browse the products available.
- The website should be available 24\*7 and should be able to sustain high traffic.
- Products should not be accessible before the launch date.
- We want to launch new features on a regular basis.
- The administrators should have detailed knowledge of the health of the system and issues should be resolvable quickly.

# THINK ABOUT THESE DOMAINS!!

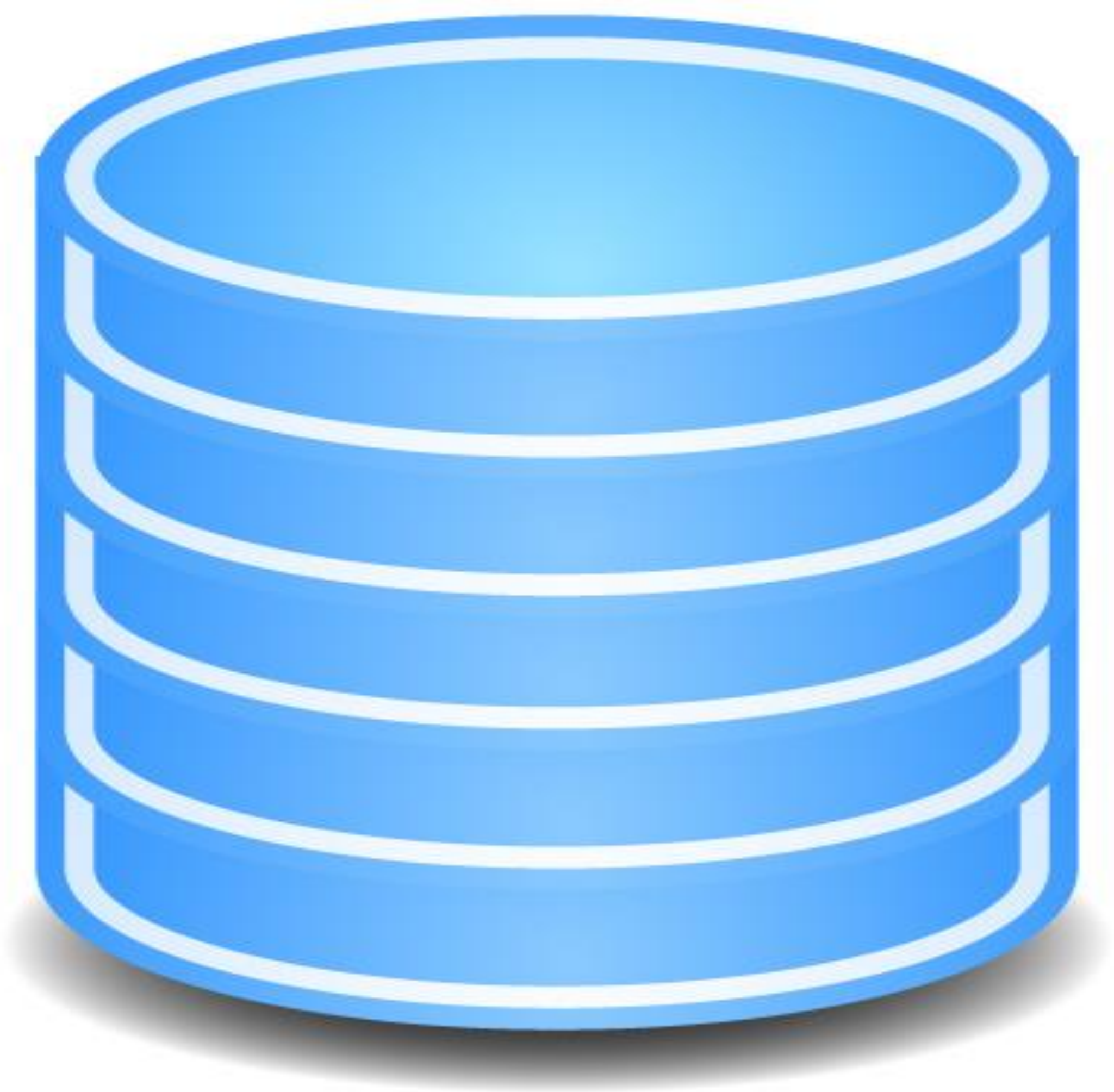
- SERVERS AND SERVICES
- NETWORK CONNECTIONS
- DATABASE SETUP
- DEPLOYMENT STRATEGY
- HYBRID INFRASTRUCTURE
- USER MANAGEMENT
- LOGGING AND MONITORING SETUP

























*SHOW SOME  
CODE !*

# ACCEPTANCE TESTS

**Feature:** Potential customer can read about services

In order to generate more leads for my business

As a business owner

I want web users to be able to read about my services

**Background:**

**Given** I have provisioned the following infrastructure:

Server Name	Operating System	Version	Chef Version	Run List
<u>wonderstuff</u>	<u>ubuntu</u>	12.04	11.4.4	<u>wonderstuff::default</u>

**And** I have run Chef

**Scenario:** User visits home page

**Given** a url <http://wonderstuff-design.me>

**When** a web user browses to the URL

**Then** the user should see "Wonderstuff Design is a boutique graphics design agency."

*AUR DIKHAO !*

*AUR DIKHAO !!*

## REFERENCES

### Test-Driven Infrastructure with Chef :

<http://shop.oreilly.com/product/0636920030973.do>

### Infrastructure as Code :

<http://shop.oreilly.com/product/0636920039297.do>

# THANK YOU

---

*@meetykp*

@sid\_thinketh