

Packt Mein Shop Das?

PHP.ruhr

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Hi, I'm Kore (@koredn)





Simulate Real Load

- We did this several times
- ▶ No shop had performance issues when going live

How?









Outline

How To

Common Problems



Awesome Shop



2 articles 42.32 €

Smartphone

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1337,-- € **5** items in stock

Comments



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Analyze Scenarios

What happens on your website?

- Example: Online Shop:
 - Random browser
 - User registration
 - Logged in browser
 - Checkout process



Crunch The Numbers

- How many checkouts per day?
- How many page impressions per day?
- How many checkouts / PIs during peak time?
 - ≥ 240.000 page impressions per day → 10.000PI/h?
 - Are you .de? → 30.000PI/h
 - Peak business hours? → 60.000PI/h → 20req/s

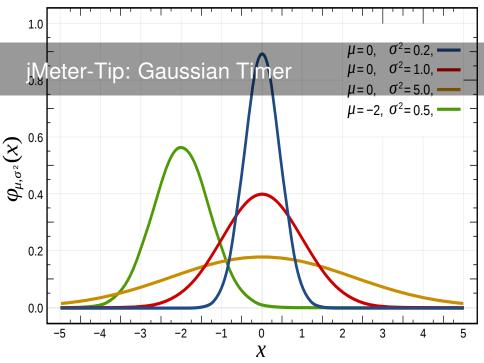


JMeter 101

- User types / execution plans
 - Thread groups
- Action timing
 - Timers
- Organize and combine logic (loops, etc.)
 - Controllers
- Example data, cookie manager, . . .
 - Configuration elements
- Actual work (HTTP, SOAP, ... requests)
 - Samplers







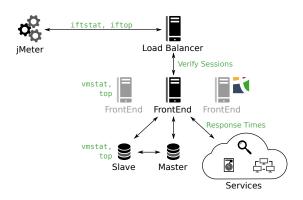
How to setup a load-test?

- 1. Provision server
- 2. Reset server
- 3. Prime server
- 4. Run test
- 5. Analyze data

Reproducible automated tests on real-world servers

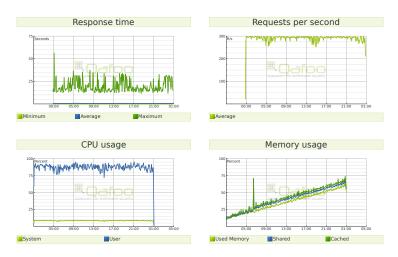


Collect Data





Analyze Data





Tideways





Outline

How To

Common Problems











Summary

Test Before

Test Live

- Investment
- Sleep well
- Tests can be run again requires servers

► Pray...



Simulate Real Load

- We did this several times
- No shop had performance issues when going live
- Hardware proved almost everytime sufficient after problems with the stack were fixed
- No shop would have made it without the improvements



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THANK YOU

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