

Packt Mein Shop das? Oxid Commons 2016

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Hi, I'm Kore (@koredn)





Simulate Real Load

London Travel Info

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

How?







Do Not Guess - Measure!

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How To

Common Problems



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What happens in your shop?

- Random browser
- User registration
- Logged in browser
- Checkout process



- 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? \rightarrow 30.000*PI/h*
 - ▶ Peak business hours? \rightarrow 60.000*PI/h* \rightarrow 20*req/s*



File Edit Search Run Options Help 0 . 6 XD Ê 🐮 🗞 🛛 🖗 🎬 🚜 🍾 | 🗐 👔 0 🔥 0/0 🗆 ase frontend tests Test Plan HTTP Request Default Einstellungen HTTP Header Manager Name: base-frontend-tests - Traffic (Unknown users)

View Results - Trilter View A Frontpage

A Find Filter A Find Filter Name A Find Filter Value Filtered Category

WorkB

A Find Article Links 🗏 🎒 ForEach Controller

	Comments:	
🖃 👹 Initial Url Extractor		
🥕 Frontpage	User Defined Variables	
📣 Initial Path Extractor	Name:	Value
🖃 👹 Loop Controller	projectDir	\${P(projectDir,./)}
heep Link	projectHost	<pre>\${P(projectHost,)}</pre>
A Path Extractor	projectRuntime	\${P(projectRuntime,60)}
Gauss'scher Zufalls-Zeitgeber	projectRampUpTime	<pre>\${P(projectRampUpTime,120)}</pre>
A Debug PostProcessor	randomTrafficUnknownUsers	<pre>\${P(randomTrafficUnknownUsers,1)}</pre>
View Results Tree	randomTrafficPathLength	\${P(randomTrafficPathLength,5)}
Filter View	hrefRegexp	\${P(hrefRegexp,href="http:// // // // // // // // // // // // //
Frontpage	filterViewUsers	<pre>\${P(filterViewUsers,1)}</pre>
	categoryLinkSelector	\${P(categoryLinkSelector, a. smtest-category)}
A Extract Category Link	filterFormSelector	\${P(filterFormSelector,form.smtest-form-filter)}
Category	articleLinkSelctor	\${P(articleLinkSelctor, a.smtest-product-link)}
🔑 Extract Form Link		

Write jMeter tests

Article			
C Gaussian Random Timer			
WerkBench	Detail Add Add from Clipboard Delete Up Down		
	Run Thread Groups consecutively (i.e. run groups one at a time)		
	Run tearDown Thread Groups after shutdown of main threads		
	Functional Test Mode (i.e. save Response Data and Sampler Data)		
	Selecting Functional Test Mode may adversely affect performance.		
	Add directory or jar to classpath Browse Delete Clear		
	Ubrary		

- 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

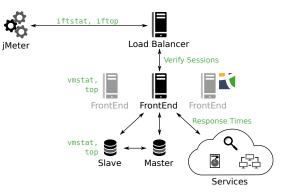


How to setup a load-test?

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

Reproducible automated tests on real-world servers







Analyze Data













How To

Common Problems



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Varnish / Edge Side Includes

Star Winner

NFS

Server Configuration



Opcode Caches



Test Before

Test Live

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

► Pray...



- 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





THANK YOU

Rent a quality expert qafoo.com