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OPEN SOURCE Text PERFORMANCE TESTING WITH JMETER

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OUTLINE

- Background on performance testing
- JMeter intro/tutorial/demo
- Takeaways
- Q&A

BACKGROUND

- What IS performance testing?
- What are YOU testing?
- Measure your customer

PERFORMANCE TESTING

- What is it?
- What about load testing?
- Stress testing?

DEFINE YOUR TARGET

- What is the problem or goal?
- Talk to the business
- Get specific

MEASURE YOUR CUSTOMER

- In order to model your customers in your testing, you have to quantify their traffic and data.
- Make this process repeatable.

JMETER

- Why JMeter?
- What is it anyway?
- The Three Ways
- Demo
- Caveats

WHY JMETER?

- Very popular, with a very active community
- We already had expertise on our team

JMETER - WHAT IS IT?

- A traffic generation, analysis, and reporting tool

THE THREE WAYS

- UI - for creating tests
- CLI - for running tests
- Browser - for viewing reports

DEMO

- **thread group** - where you define users
- **sampler** - define the action for the users
- **listener** - for watching the test traffic

CAVEATS

- the chess analogy
- don't release the Kraken
- measure your bandwidth needs

THREE TAKEAWAYS

- Understand the problem
- Take time to find YOUR best approach
- Bask in the glory!

Q&A

RESOURCES

- slides at <https://github.com/j0nallen>
- JMeter downloads and doc: jmeter.apache.org
- wiki: <https://wiki.apache.org/jmeter>
- Blazemeter.com
- JMeter alternatives:

Gatling - <https://gatling.io/>

Artillery - <https://artillery.io/>

Locust - <https://locust.io/>

The Grinder - <http://grinder.sourceforge.net/>

...and many more

- Good comparison articles at

<https://www.blazemeter.com/blog/open-source-load-testing-tools-which-one-should-you-use>

<https://techbeacon.com/web-performance-testing-top-12-free-open-source-tools-consider>



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