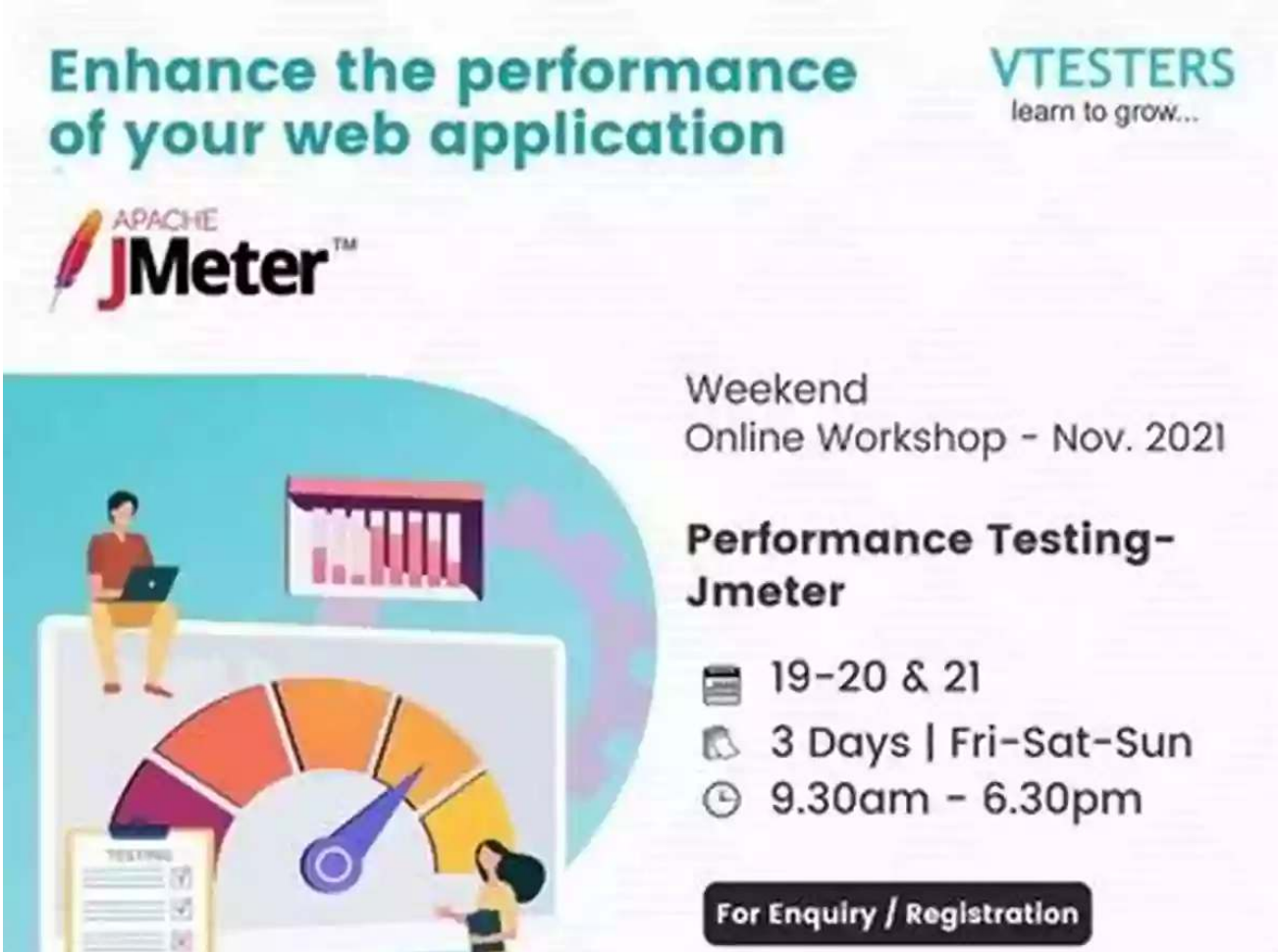


10 Secrets to Dramatically Enhance the Performance of Your Web Application Today!



The banner features a light blue and white background. On the left, there is an illustration of a person sitting on a large white block, working on a laptop. To their right is a large, colorful gauge with a needle pointing towards the right. Below the gauge is a checklist titled 'TESTING' with several items and checkboxes. In the top right corner, the text 'VTESTERS learn to grow...' is displayed. The main title 'Enhance the performance of your web application' is in a teal color. Below it is the Apache JMeter logo. The event details are listed on the right side of the banner.

Enhance the performance of your web application

VTESTERS
learn to grow...

APACHE
JMeter™

Weekend
Online Workshop - Nov. 2021

**Performance Testing-
Jmeter**

- 19-20 & 21
- 3 Days | Fri-Sat-Sun
- 9.30am - 6.30pm

For Enquiry / Registration

Do you want your web application to run as smoothly as possible, providing your users with an exceptional experience? As the internet continues to evolve, it becomes increasingly important to optimize the performance of your web applications. In this article, we will share 10 powerful secrets to help you enhance the performance of your web application and keep your users coming back for more!

1. Optimize Your Code

Inefficient and poorly written code can significantly impact your web application's performance. Take the time to optimize your code and ensure it is clean, concise, and uses best practices. Consider removing unnecessary plugins and scripts that may slow down your application.



Performance Testing with JMeter 3 - Third Edition: Enhance the performance of your web application

by Bayo Erinle(3rd Edition, Kindle Edition)

★★★★☆ 4.4 out of 5

Language : English

File size : 6397 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting : Enabled

Print length : 166 pages



2. Minimize HTTP Requests

Reducing the number of HTTP requests made by your web application can dramatically improve its performance. Combine multiple CSS and JavaScript files into a single file and utilize CSS sprites for images to minimize the number of HTTP requests your web application makes.

3. Leverage Browser Caching

Utilize browser caching to store static files, such as CSS, JavaScript, and images, on the user's device. This reduces the need for repeated downloads and speeds up the loading time of your web application.

4. Optimize Images

Images are often the largest files on a webpage and can slow down your web application's performance. Use image optimization techniques, such as compressing and resizing images, to minimize the file size without compromising quality.

5. Implement Content Delivery Networks (CDNs)

Content Delivery Networks take static files, such as images, CSS, and JavaScript, and distribute them across multiple servers worldwide. By hosting these files closer to your users, CDNs can significantly improve the loading time of your web application.

6. Enable Compression

Enabling compression, such as GZIP, on your server can greatly reduce the size of your web application's files during transmission. This leads to faster loading times and improved performance for your users.

7. Optimize Database Queries

Web applications heavily rely on database queries for retrieving and storing data. Optimize your database queries by eliminating unnecessary requests, indexing frequently accessed data, and caching query results whenever possible.

8. Utilize Caching

Implement caching mechanisms in your web application to store frequently accessed data or HTML fragments. This reduces the need to generate the same content repeatedly, resulting in faster response times and overall improved performance.

9. Test and Monitor Performance

Regularly test and monitor the performance of your web application using tools like Google PageSpeed Insights or GTmetrix. These tools will provide insights into areas that need improvement, allowing you to take proactive measures to enhance performance.

10. Regularly Update and Maintain Your Web Application

Stay up-to-date with the latest technologies, frameworks, and libraries. Regularly update and maintain your web application to ensure it remains compatible, secure, and optimized for peak performance.

By implementing these 10 secrets, you can dramatically enhance the performance of your web application. Your users will appreciate the improved speed, responsiveness, and overall experience, leading to increased engagement and success for your web application.

Remember, performance optimization is an ongoing process. Continuously monitor your web application's performance and adapt as needed to keep it running at its best. Start implementing these secrets today and take your web application to new heights!



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Key Features

- Use jMeter to create and run tests to improve the performance of your webpages and applications
- Learn to build a test plan for your websites and analyze the results
- Unleash the power of various features and changes introduced in Apache jMeter 3.0

Book Description

JMeter is a Java application designed to load and test performance for web application. JMeter extends to improve the functioning of various other static and dynamic resources. This book is a great starting point to learn about JMeter. It covers the new features introduced with JMeter 3 and enables you to dive deep into the new techniques needed for measuring your website performance.

The book starts with the basics of performance testing and guides you through recording your first test scenario, before diving deeper into JMeter. You will also learn how to configure JMeter and browsers to help record test plans.

Moving on, you will learn how to capture form submission in JMeter, dive into managing sessions with JMeter and see how to leverage some of the components provided by JMeter to handle web application HTTP sessions. You will also learn how JMeter can help monitor tests in real-time.

Further, you will go in depth into distributed testing and see how to leverage the capabilities of JMeter to accomplish this. You will get acquainted with some tips and best practices with regard to performance testing. By the end of the book,

you will have learned how to take full advantage of the real power behind Apache JMeter.

What you will learn

- See why performance testing is necessary and learn how to set up JMeter
- Record and test with JMeter
- Handle various form inputs in JMeter and parse results during testing
- Manage user sessions in web applications in the context of a JMeter test
- Monitor JMeter results in real time
- Perform distributed testing with JMeter
- Get acquainted with helpful tips and best practices for working with JMeter

About the Author

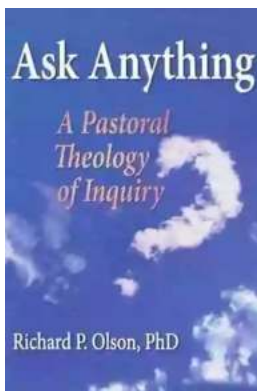
Bayo Erinle is an author and senior software engineer with over 11 years of experience in designing, developing, testing, and architecting software. He has worked in various spectrums of the IT field, including government, commercial, finance, and health care. As a result, he has been involved in the planning, development, implementation, integration, and testing of numerous applications, including multi-tiered, standalone, distributed, and cloud-based applications. He is passionate about programming, performance, scalability, and all things technical. He is always intrigued by new technology and enjoys learning new things.

He currently resides in Maryland, US, and when he is not hacking away at some new technology, he enjoys spending time with his wife, Nimota, and their three children, Mayowa, Durotimi, and Fisayo.

He also authored Performance Testing with JMeter 2.9 (first edition and second edition) and JMeter Cookbook, both by Packt Publishing.

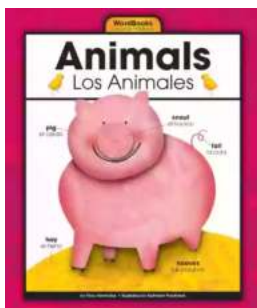
Table of Contents

1. Performance Testing Fundamentals
2. Recording Your First Test
3. Submitting Forms
4. Managing Sessions
5. Monitoring tests in real time
6. Distributed Testing
7. Helpful Tips- Part 1
8. Helpful Tips- Part 2



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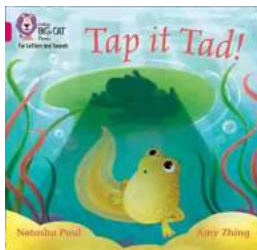
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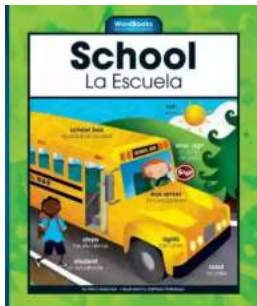
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