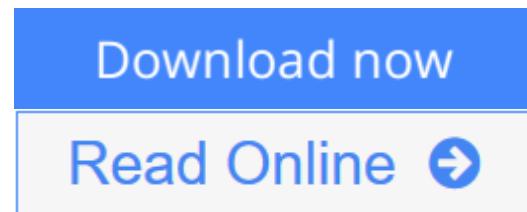


ASP.NET Core 1.0 High Performance

By James Singleton



ASP.NET Core 1.0 High Performance By James Singleton

Create fast, scalable, and high performance applications with C#, ASP.NET Core 1.0, and MVC 6

About This Book

- Learn the importance of measuring, profiling, and locating the most impactful problems
- Discover the common areas you might encounter performance problems and areas you don't need to worry about
- Understand the differences between development workstations and production infrastructure and how these can amplify problems
- Design workflows that run asynchronously and are resilient to transient performance issues

Who This Book Is For

This book is for ASP.NET and C# developers who have experience with the MVC framework for web application development and are looking to deploy applications that will perform well in live production environments. These could be virtual machines or hosted by a cloud service provider such as AWS or Azure.

What You Will Learn

- Why performance matters and when it should be considered
- Use different tools to measure performance
- Spot common performance issues, their root causes, and how to easily mitigate them
- Improve performance at the network level and I/O level, and how to optimize the application as a whole
- Work with caching and message queuing tools, including patterns and strategies
- Discover the dark side of performance improvement and find out how to manage complexity
- Monitor performance as part of continuous integration and regression testing

- Assess and solve performance issues with other advanced technologies

In Detail

ASP.NET Core is the new, open source, and cross-platform, web-application framework from Microsoft. It's a stripped down version of ASP.NET that's lightweight and fast. This book will show you how to make your web apps deliver high performance when using it.

We'll address many performance improvement techniques from both a general web standpoint and from a C#, ASP.NET Core, and .NET Core perspective. This includes delving into the latest frameworks and demonstrating software design patterns that improve performance.

We will highlight common performance pitfalls, which can often occur unnoticed on developer workstations, along with strategies to detect and resolve these issues early. By understanding and addressing challenges upfront, you can avoid nasty surprises when it comes to deployment time.

We will introduce performance improvements along with the trade-offs that they entail. We will strike a balance between premature optimization and inefficient code by taking a scientific- and evidence-based approach. We'll remain pragmatic by focusing on the big problems.

By reading this book, you'll learn what problems can occur when web applications are deployed at scale and know how to avoid or mitigate these issues. You'll gain experience of how to write high-performance applications without having to learn about issues the hard way.

You'll see what's new in ASP.NET Core, why it's been rebuilt from the ground up, and what this means for performance. You will understand how you can now develop on and deploy to Windows, Mac OS X, and Linux using cross-platform tools, such as Visual Studio Code.

Style and approach

Starting with a drill down into the nuts and bolts of various performance parameters, you will get an understanding of the ASP.NET MVC 6 framework with the help of rich code-based examples that will equip you to build highly scalable and optimized applications.



[Download ASP.NET Core 1.0 High Performance ...pdf](#)



[Read Online ASP.NET Core 1.0 High Performance ...pdf](#)

ASP.NET Core 1.0 High Performance

By James Singleton

ASP.NET Core 1.0 High Performance By James Singleton

Create fast, scalable, and high performance applications with C#, ASP.NET Core 1.0, and MVC 6

About This Book

- Learn the importance of measuring, profiling, and locating the most impactful problems
- Discover the common areas you might encounter performance problems and areas you don't need to worry about
- Understand the differences between development workstations and production infrastructure and how these can amplify problems
- Design workflows that run asynchronously and are resilient to transient performance issues

Who This Book Is For

This book is for ASP.NET and C# developers who have experience with the MVC framework for web application development and are looking to deploy applications that will perform well in live production environments. These could be virtual machines or hosted by a cloud service provider such as AWS or Azure.

What You Will Learn

- Why performance matters and when it should be considered
- Use different tools to measure performance
- Spot common performance issues, their root causes, and how to easily mitigate them
- Improve performance at the network level and I/O level, and how to optimize the application as a whole
- Work with caching and message queuing tools, including patterns and strategies
- Discover the dark side of performance improvement and find out how to manage complexity
- Monitor performance as part of continuous integration and regression testing
- Assess and solve performance issues with other advanced technologies

In Detail

ASP.NET Core is the new, open source, and cross-platform, web-application framework from Microsoft. It's a stripped down version of ASP.NET that's lightweight and fast. This book will show you how to make your web apps deliver high performance when using it.

We'll address many performance improvement techniques from both a general web standpoint and from a C#, ASP.NET Core, and .NET Core perspective. This includes delving into the latest frameworks and demonstrating software design patterns that improve performance.

We will highlight common performance pitfalls, which can often occur unnoticed on developer workstations, along with strategies to detect and resolve these issues early. By understanding and addressing challenges

upfront, you can avoid nasty surprises when it comes to deployment time.

We will introduce performance improvements along with the trade-offs that they entail. We will strike a balance between premature optimization and inefficient code by taking a scientific- and evidence-based approach. We'll remain pragmatic by focusing on the big problems.

By reading this book, you'll learn what problems can occur when web applications are deployed at scale and know how to avoid or mitigate these issues. You'll gain experience of how to write high-performance applications without having to learn about issues the hard way.

You'll see what's new in ASP.NET Core, why it's been rebuilt from the ground up, and what this means for performance. You will understand how you can now develop on and deploy to Windows, Mac OS X, and Linux using cross-platform tools, such as Visual Studio Code.

Style and approach

Starting with a drill down into the nuts and bolts of various performance parameters, you will get an understanding of the ASP.NET MVC 6 framework with the help of rich code-based examples that will equip you to build highly scalable and optimized applications.

ASP.NET Core 1.0 High Performance By James Singleton Bibliography

- Rank: #2379246 in Books
- Published on: 2016-06-27
- Released on: 2016-06-27
- Original language: English
- Dimensions: 9.25" h x .69" w x 7.50" l, 1.11 pounds
- Binding: Paperback
- 292 pages

 [Download ASP.NET Core 1.0 High Performance ...pdf](#)

 [Read Online ASP.NET Core 1.0 High Performance ...pdf](#)

Editorial Review

About the Author

James Singleton James Singleton is a British software developer, engineer, and entrepreneur, who has been writing code since the days of the BBC Micro. His formal training is in electrical and electronic engineering, yet he has worked professionally in .NET software development for nearly a decade. He is active in the London start-up community and helps organize Cleanweb London events for environmentally conscious technologists. He runs Cleanweb Jobs, which aims to help get developers, engineers, managers, and data scientists into roles that can help tackle climate change and other environmental problems. He also does public speaking, and he has presented talks at many local user groups, including at the Hacker News London meet up. James holds a first class degree (with honors) in electronic engineering with computing, and he has designed and built his own basic microprocessor on an FPGA along with a custom instruction set to run on it. He is also a Science, Technology, Engineering, and Mathematics (STEM) ambassador, who encourages young people to study these fields. James contributes to and is influenced by many open source projects, and regularly uses alternative technologies, such as Python, Ruby, and Linux. He is enthusiastic about the direction that Microsoft is taking .NET in and their embracing of open source practices. He is particularly interested in hardware, environmental, and digital rights projects and is keen on security, compression, and algorithms. When not hacking on code, or writing for books and magazines, he enjoys walking, skiing, rock climbing, traveling, brewing, and craft beer. James has gained varied skills from working in many diverse industries and roles, from high performance stock exchanges to video encoding systems. He has worked as a business analyst, consultant, tester, developer, and technical architect. He has a wide range of knowledge, gained from big corporates to startups, and

Users Review

From reader reviews:

Dorothy Waddell:

Why don't make it to be your habit? Right now, try to prepare your time to do the important take action, like looking for your favorite publication and reading a publication. Beside you can solve your trouble; you can add your knowledge by the book entitled ASP.NET Core 1.0 High Performance. Try to make book ASP.NET Core 1.0 High Performance as your good friend. It means that it can be your friend when you truly feel alone and beside regarding course make you smarter than ever. Yeah, it is very fortunate for yourself. The book makes you considerably more confidence because you can know everything by the book. So , let me make new experience as well as knowledge with this book.

Eva Sexton:

The book ASP.NET Core 1.0 High Performance can give more knowledge and also the precise product information about everything you want. Exactly why must we leave the great thing like a book ASP.NET Core 1.0 High Performance? Several of you have a different opinion about publication. But one aim that will book can give many facts for us. It is absolutely appropriate. Right now, try to closer with the book. Knowledge or facts that you take for that, you can give for each other; it is possible to share all of these. Book ASP.NET Core 1.0 High Performance has simple shape nevertheless, you know: it has great and massive function for you. You can appearance the enormous world by wide open and read a e-book. So it is

very wonderful.

James Fitzpatrick:

The experience that you get from ASP.NET Core 1.0 High Performance may be the more deep you looking the information that hide inside the words the more you get considering reading it. It does not mean that this book is hard to understand but ASP.NET Core 1.0 High Performance giving you joy feeling of reading. The copy writer conveys their point in selected way that can be understood simply by anyone who read the idea because the author of this reserve is well-known enough. This kind of book also makes your current vocabulary increase well. So it is easy to understand then can go to you, both in printed or e-book style are available. We highly recommend you for having that ASP.NET Core 1.0 High Performance instantly.

Jon Fuselier:

Hey guys, do you desires to finds a new book to see? May be the book with the headline ASP.NET Core 1.0 High Performance suitable to you? The particular book was written by popular writer in this era. Often the book untitled ASP.NET Core 1.0 High Performanceis one of several books that everyone read now. This book was inspired a lot of people in the world. When you read this e-book you will enter the new way of measuring that you ever know just before. The author explained their concept in the simple way, thus all of people can easily to comprehend the core of this publication. This book will give you a lot of information about this world now. So that you can see the represented of the world in this particular book.

**Download and Read Online ASP.NET Core 1.0 High Performance
By James Singleton #TWGPX671YQI**

Read ASP.NET Core 1.0 High Performance By James Singleton for online ebook

ASP.NET Core 1.0 High Performance By James Singleton Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read ASP.NET Core 1.0 High Performance By James Singleton books to read online.

Online ASP.NET Core 1.0 High Performance By James Singleton ebook PDF download

ASP.NET Core 1.0 High Performance By James Singleton Doc

ASP.NET Core 1.0 High Performance By James Singleton Mobipocket

ASP.NET Core 1.0 High Performance By James Singleton EPub