



ASP.NET Core 1.0 High Performance

By James Singleton

Download now

Read Online ➔

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:

Raymond Roth:

Reading a e-book can be one of a lot of task that everyone in the world enjoys. Do you like reading book thus. There are a lot of reasons why people fantastic. First reading a publication will give you a lot of new info. When you read a e-book you will get new information due to the fact book is one of several ways to share the information or even their idea. Second, examining a book will make anyone more imaginative. When you reading through a book especially tale fantasy book the author will bring you to imagine the story how the figures do it anything. Third, you are able to share your knowledge to other individuals. When you read this ASP.NET Core 1.0 High Performance, you are able to tells your family, friends and also soon about yours book. Your knowledge can inspire others, make them reading a guide.

Samara Reed:

The publication with title ASP.NET Core 1.0 High Performance contains a lot of information that you can find out it. You can get a lot of profit after read this book. This particular book exist new know-how the information that exist in this e-book represented the condition of the world now. That is important to yo7u to find out how the improvement of the world. This specific book will bring you with new era of the internationalization. You can read the e-book on the smart phone, so you can read that anywhere you want.

Johnathan Fuller:

You can spend your free time to study this book this e-book. This ASP.NET Core 1.0 High Performance is simple to develop you can read it in the playground, in the beach, train in addition to soon. If you did not have much space to bring typically the printed book, you can buy the e-book. It is make you easier to read it. You can save the actual book in your smart phone. Therefore there are a lot of benefits that you will get when one buys this book.

Robert Bowser:

Beside this particular ASP.NET Core 1.0 High Performance in your phone, it could give you a way to get closer to the new knowledge or information. The information and the knowledge you will got here is fresh from your oven so don't possibly be worry if you feel like an aged people live in narrow community. It is good thing to have ASP.NET Core 1.0 High Performance because this book offers to your account readable information. Do you occasionally have book but you would not get what it's exactly about. Oh come on, that wil happen if you have this inside your hand. The Enjoyable option here cannot be questionable, just like treasuring beautiful island. Techniques you still want to miss the item? Find this book along with read it from at this point!

**Download and Read Online ASP.NET Core 1.0 High Performance
By James Singleton #K5GWTOEB7U9**

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

K5GWTOEB7U9: ASP.NET Core 1.0 High Performance By James Singleton