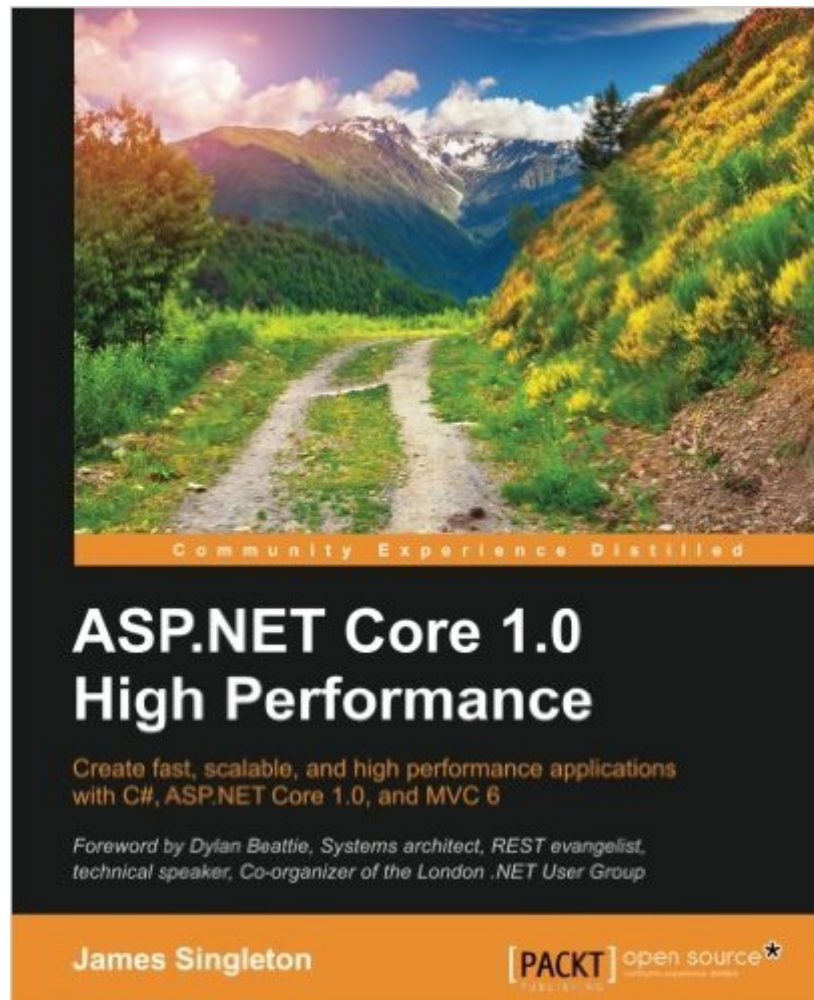


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# ASP.NET Core 1.0 High Performance



## Synopsis

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

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