



# C# 6 and .NET Core 1.0: Modern Cross-Platform Development

By Mark Price



**C# 6 and .NET Core 1.0: Modern Cross-Platform Development** By Mark Price

Create powerful cross-platform applications using **C# 6, .NET Core 1.0, ASP.NET Core 1.0, and Visual Studio 2015**

## About This Book

- Build modern, cross-platform applications with .NET Core 1.0
- Get up-to-speed with C#, and up-to-date with all the latest features of C# 6
- Start creating professional web applications with ASP.NET Core 1.0

## Who This Book Is For

Are you struggling to get started with C#? Or maybe you're interested in the potential of the new cross-platform features that .NET Core can offer? If so, C# 6 and .NET Core 1.0 is the book for you. While you don't need to know any of the latest features of C# or .NET to get started, it would be beneficial if you have some programming experience.

## What You Will Learn

- Build cross-platform applications using C# 6 and .NET Core 1.0
- Explore ASP.NET Core 1.0 and learn how to create professional web applications
- Improve your application's performance using multitasking
- Use Entity Framework Core 1.0 and learn how to build Code-First databases
- Master object-oriented programming with C# to increase code reuse and efficiency
- Familiarize yourself with cross-device app development using the Universal Windows Platform and XAML
- Query and manipulate data using LINQ
- Protect your data by using encryption and hashing

## In Detail

With the release of .NET Core 1.0, you can now create applications for Mac OS X and Linux, as well as Windows, using the development tools you know and love. C# 6 and .NET Core 1.0 has been divided into three high-impact sections to help start putting these new features to work.

First, we'll run you through the basics of C#, as well as object-orient programming, before taking a quick tour through the latest features of C# 6 such as string interpolation for easier variable value output, exception filtering, and how to perform static class imports. We'll also cover both the full-feature, mature .NET Framework and the new, cross-platform .NET Core.

After quickly taking you through C# and how .NET works, we'll dive into the internals of the .NET class libraries, covering topics such as performance, monitoring, debugging, internationalization, serialization, and encryption. We'll look at Entity Framework Core 1.0 and how to develop Code-First entity data models, as well as how to use LINQ to query and manipulate that data.

The final section will demonstrate the major types of applications that you can build and deploy cross-device and cross-platform. In this section, we'll cover Universal Windows Platform (UWP) apps, web applications, and web services. Lastly, we'll help you build a complete application that can be hosted on all of today's most popular platforms, including Linux and Docker.

By the end of the book, you'll be armed with all the knowledge you need to build modern, cross-platform applications using C# and .NET Core.

## Style and approach

This book takes a step-by-step approach and is filled with exciting projects and fascinating theory. It uses three high-impact sections to equip you with all the tools you'll need to build modern, cross-platform applications using C# and .NET Core.



[Download C# 6 and .NET Core 1.0: Modern Cross-Platform De ...pdf](#)



[Read Online C# 6 and .NET Core 1.0: Modern Cross-Platform De ...pdf](#)

# C# 6 and .NET Core 1.0: Modern Cross-Platform Development

By Mark Price

**C# 6 and .NET Core 1.0: Modern Cross-Platform Development** By Mark Price

Create powerful cross-platform applications using C# 6, .NET Core 1.0, ASP.NET Core 1.0, and Visual Studio 2015

## About This Book

- Build modern, cross-platform applications with .NET Core 1.0
- Get up-to-speed with C#, and up-to-date with all the latest features of C# 6
- Start creating professional web applications with ASP.NET Core 1.0

## Who This Book Is For

Are you struggling to get started with C#? Or maybe you're interested in the potential of the new cross-platform features that .NET Core can offer? If so, C# 6 and .NET Core 1.0 is the book for you. While you don't need to know any of the latest features of C# or .NET to get started, it would be beneficial if you have some programming experience.

## What You Will Learn

- Build cross-platform applications using C# 6 and .NET Core 1.0
- Explore ASP.NET Core 1.0 and learn how to create professional web applications
- Improve your application's performance using multitasking
- Use Entity Framework Core 1.0 and learn how to build Code-First databases
- Master object-oriented programming with C# to increase code reuse and efficiency
- Familiarize yourself with cross-device app development using the Universal Windows Platform and XAML
- Query and manipulate data using LINQ
- Protect your data by using encryption and hashing

## In Detail

With the release of .NET Core 1.0, you can now create applications for Mac OS X and Linux, as well as Windows, using the development tools you know and love. C# 6 and .NET Core 1.0 has been divided into three high-impact sections to help start putting these new features to work.

First, we'll run you through the basics of C#, as well as object-orient programming, before taking a quick tour through the latest features of C# 6 such as string interpolation for easier variable value output, exception filtering, and how to perform static class imports. We'll also cover both the full-feature, mature .NET Framework and the new, cross-platform .NET Core.

After quickly taking you through C# and how .NET works, we'll dive into the internals of the .NET class libraries, covering topics such as performance, monitoring, debugging, internationalization, serialization, and encryption. We'll look at Entity Framework Core 1.0 and how to develop Code-First entity data models, as well as how to use LINQ to query and manipulate that data.

The final section will demonstrate the major types of applications that you can build and deploy cross-device and cross-platform. In this section, we'll cover Universal Windows Platform (UWP) apps, web applications, and web services. Lastly, we'll help you build a complete application that can be hosted on all of today's most popular platforms, including Linux and Docker.

By the end of the book, you'll be armed with all the knowledge you need to build modern, cross-platform applications using C# and .NET Core.

## Style and approach

This book takes a step-by-step approach and is filled with exciting projects and fascinating theory. It uses three high-impact sections to equip you with all the tools you'll need to build modern, cross-platform applications using C# and .NET Core.

### **C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price Bibliography**

- Sales Rank: #607612 in eBooks
- Published on: 2016-03-29
- Released on: 2016-03-29
- Format: Kindle eBook



[Download C# 6 and .NET Core 1.0: Modern Cross-Platform Deve ...pdf](#)



[Read Online C# 6 and .NET Core 1.0: Modern Cross-Platform De ...pdf](#)

## Download and Read Free Online C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price

---

### Editorial Review

#### About the Author

##### Mark J. Price

Mark J. Price is a Microsoft Certified Trainer (MCT) and Microsoft Specialist, Programming in C# and Architecting Microsoft Azure Solutions, with more than 20 years of educational and programming experience. Since 1993, Mark has passed more than 90 Microsoft programming exams and specializes in preparing others to pass them too. His students range from professionals with decades of experience to 16-year-old apprentices with no experience at all. He successfully guides all of them by combining educational skills with real-world experience, consulting on and developing systems for enterprises worldwide. Between 2001 and 2003, Mark was employed full-time to write official courseware for Microsoft in Redmond, USA. His team wrote the first training courses for C# and .NET while they were still an early alpha version. While with Microsoft, he delivered "train-the-trainer" classes to get other MCTs up to speed in C# and .NET. In 2010, Mark took a postgraduate certificate in education (PGCE). He taught GCSE and A-level mathematics in two secondary schools in London. Mark holds a Computer Science BSc (Hons) degree from the University of Bristol, UK.

### Users Review

#### From reader reviews:

##### Patricia Smith:

This C# 6 and .NET Core 1.0: Modern Cross-Platform Development are generally reliable for you who want to become a successful person, why. The explanation of this C# 6 and .NET Core 1.0: Modern Cross-Platform Development can be one of several great books you must have is actually giving you more than just simple looking at food but feed anyone with information that perhaps will shock your prior knowledge. This book is handy, you can bring it everywhere and whenever your conditions at e-book and printed versions. Beside that this C# 6 and .NET Core 1.0: Modern Cross-Platform Development forcing you to have an enormous of experience for instance rich vocabulary, giving you test of critical thinking that we realize it useful in your day exercise. So , let's have it appreciate reading.

##### Sheilah Harvey:

Do you have something that you want such as book? The e-book lovers usually prefer to decide on book like comic, brief story and the biggest the first is novel. Now, why not attempting C# 6 and .NET Core 1.0: Modern Cross-Platform Development that give your satisfaction preference will be satisfied simply by reading this book. Reading behavior all over the world can be said as the opportunity for people to know world a great deal better then how they react when it comes to the world. It can't be stated constantly that reading routine only for the geeky man but for all of you who wants to possibly be success person. So , for all you who want to start examining as your good habit, it is possible to pick C# 6 and .NET Core 1.0: Modern Cross-Platform Development become your own starter.

**Mary Chapa:**

Your reading sixth sense will not betray a person, why because this C# 6 and .NET Core 1.0: Modern Cross-Platform Development publication written by well-known writer whose to say well how to make book which might be understand by anyone who also read the book. Written inside good manner for you, dripping every ideas and creating skill only for eliminate your hunger then you still hesitation C# 6 and .NET Core 1.0: Modern Cross-Platform Development as good book not simply by the cover but also through the content. This is one book that can break don't assess book by its handle, so do you still needing yet another sixth sense to pick this!? Oh come on your examining sixth sense already said so why you have to listening to another sixth sense.

**April Baker:**

A lot of reserve has printed but it is unique. You can get it by online on social media. You can choose the top book for you, science, amusing, novel, or whatever through searching from it. It is referred to as of book C# 6 and .NET Core 1.0: Modern Cross-Platform Development. You can contribute your knowledge by it. Without leaving behind the printed book, it might add your knowledge and make anyone happier to read. It is most crucial that, you must aware about guide. It can bring you from one spot to other place.

**Download and Read Online C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price #PAO8KV0SNCD**

# **Read C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price for online ebook**

C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price 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 C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price books to read online.

## **Online C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price ebook PDF download**

**C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price Doc**

**C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price Mobipocket**

**C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price EPub**

**PAO8KV0SNCD: C# 6 and .NET Core 1.0: Modern Cross-Platform Development By Mark Price**