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Developer
Reference

Programming Asp Net Core Developer Reference

Learn how to build
web applications
efficiently using
ASP.NET Core 5
with the C#
programming
language and

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related frameworks

Key Features Build

web apps and

services and cross-
platform

applications using

.NET and

C# Understand

different web

programming

concepts with the

help of real-world

examples Explore

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the new features
and APIs in

ASP.NET Core 5,
EF Core, Visual
Studio, and
BlazorBook

Description

ASP.NET Core 5 for
Beginners is a
comprehensive
introduction for
those who are new
to the framework.

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This condensed
guide takes a
practical and
engaging approach
to cover everything
that you need to
know to start using
ASP.NET Core for
building cloud-
ready, modern web
applications. The
book starts with a
brief introduction to

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the ASP.NET Core framework and highlights the new features in its latest release, ASP.NET Core 5. It then covers the improvements in cross-platform support, the view engines that will help you to understand web

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development, and
the new frontend
technologies

available with Blazor
for building
interactive web UIs.
As you advance,
you'll learn the
fundamentals of the
different frameworks
and capabilities that
ship with ASP.NET
Core. You'll also get

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to grips with
securing web apps
with identity
implementation, unit
testing, and the
latest in containers
and cloud-native to
deploy them to AWS
and Microsoft
Azure. Throughout
the book, you'll find
clear and concise
code samples that

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illustrate each concept along with the strategies and techniques that will help to develop scalable and robust web apps. By the end of this book, you'll have learned how to leverage ASP.NET Core 5 to build and deploy dynamic websites

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and services in a variety of real-world scenarios. What you will learn

Explore the new features and APIs introduced in ASP.NET Core 5 and BlazorPut basic ASP.NET Core 5 concepts into practice with the help of clear and simple

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samples Work with
Entity Framework
Core and its
different workflows
to implement your
application's data
access Discover the
different web
frameworks that
ASP.NET Core 5
offers for building
web apps Get to
grips with the basics

Get Free
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Reference
of building RESTful
web APIs to work
with real dataDeploy
your web apps in
AWS, Azure, and
Docker
containersWork with
SignalR to add real-
time notifications to
your appWho this
book is for This
book is for
developers who

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want to learn how to develop web-based applications using the ASP.NET Core framework.

Familiarity with the C# language and a basic understanding of HTML and CSS is required to get the most out of this book.

Create fast,
Page 12/387

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scalable, and high-
performance
applications with C#
and ASP.NET Core

About This Book

Get first-principle
coverage of the
latest ASP.NET
Core MVC Find out
how to bring
together the
capabilities and
features of both

Get Free
Programming Asp
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Angular 2 and
ASP.NET Core
Discover common
areas you might
encounter
performance
problems with and
areas you don't
need to worry about
Who This Book Is
For This book is for
developers who
want to learn to

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build web
applications using
ASP.NET Core,
those who want to
make a career
building web
applications using
Microsoft
technology, and
those who are
working on other
web frameworks
and want to learn

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Reference

ASP.NET Core.

What You Will Learn

Get to know the
concepts of

ASP.NET MVC

Create a Controller
with action methods

Build a view using
several features of

the Razor View

engine Construct a

Model for ASP.NET

Core MVC

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application Find out how the features of ASP.NET Core and Angular 2 perfectly complement each other Handle requests and actions using server-side and client-side Routing Create a Data Model using Entity Framework Core Learn how to

Get Free
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Net Core
use Angular 2
Developer
Reference
components and
master directives

Improve
performance at the
network level and
I/O level, and how to
optimize the
application as a
whole Monitor
performance as part
of Continuous
Integration and

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regression testing In
Detail ASP.NET

Core is the new,
open source, and
cross-platform, web-
application

framework from
Microsoft. ASP.NET

Core MVC helps
you build robust
web applications
using the Model-

View-Controller

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design. This guide will help you in building applications that can be deployed on non-Windows platforms such as Linux. Starting with an overview of the MVC pattern, you will quickly dive into the aspects that you need to know to get

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started with
ASP.NET. You will
learn about the core
architecture of
model, view, and
control. Integrating
your application with
Bootstrap, validating
user input,
interacting with
databases, and
deploying your
application are

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some of the things that you will learn to execute with this fast-paced guide. You will test your knowledge as you build a fully working sample application using the skills you've learned throughout the book. Moving forward, this guide

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will teach you to combine the impressive capabilities of ASP.NET Core and Angular 2. Not only will you learn how Angular 2 can complement your .NET skills and toolkit, you'll also learn everything you need to build a

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complete, dynamic
single-page
application. Find out
how to get your data
model in place and
manage an API,
before styling and
designing your
frontend for an
exceptional user
experience. You will
find out how to
optimize your

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application for SEO, identify and secure vulnerabilities, and how to successfully deploy and maintain your application.

From here, you will delve into the latest frameworks and software design patterns to improve your application performance. The

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course offers premium, highly practical content on the recently released ASP.NET Core, and includes material from the following Packt books: Learning ASP.NET Core MVC Programming, ASP.NET Core and Angular 2, and

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ASP.NET Core 1.0

High Performance.

Style and approach

This learning path

takes a first-

principles approach

to help you

understand and

implement

ASP.NET MVC

solutions.

Develop a simple,

yet fully-functional

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modern web
application using
ASP.NET Core
MVC, Entity
Framework and
Angular 5. About
This Book Based on
the best-selling
book ASP.NET
Core and Angular 2
Easily build a
complete single
page application

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Developer
Reference
with two of the most
impressive
frameworks in
modern
development,
ASP.NET Core and
Angular Bring
together the
capabilities and
features of both
Angular 5 and
ASP.NET Core 2 for
full stack

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Discover a
comprehensive
approach to building
your next web
project-From
managing data, to
application design,
through to SEO
optimization and
security Who This
Book Is For This
book is for

Get Free
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seasoned ASP.NET
Developer
Reference
developers who
already know about
ASP.NET Core and
Angular in general,
but want to know
more about them
and/or understand
how to blend them
together to craft a
production-ready
SPA. What You Will
Learn Use

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ASP.NET Core to its
full extent to create
a versatile backend
layer based on
RESTful APIs
Consume backend
APIs with the brand
new Angular 5
HttpClient and use
RxJS Observers to
feed the frontend UI
asynchronously
Implement an

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authentication and
authorization layer
using ASP.NET

Identity to support
user login with
integrated and third-
party OAuth 2
providers Configure
a web application in
order to accept user-
defined data and
persist it into the
database using

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Reference

server-side APIs
Secure your
application against
threats and
vulnerabilities in a
time efficient way
Connect different
aspects of the ASP.
NET Core
framework
ecosystem and
make them interact
with each other for a

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Full-Stack web
development
experience In Detail

Become fluent in
both frontend and
backend web
development by
combining the
impressive
capabilities of
ASP.NET Core 2
and Angular 5 from
project setup right

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through the deployment phase. Full-stack web development means being able to work on both the frontend and backend portions of an application. The frontend is the part that users will see or interact with, while the backend is the

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underlying engine, that handles the logical flow: server configuration, data storage and retrieval, database interactions, user authentication, and more. Use the ASP.NET Core MVC framework to implement the backend with API

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calls and server-side routing. Learn how to put the frontend together using top-notch Angular 5 features such as two-way binding, Observables, and Dependency Injection, build the Data Model with Entity Framework

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Core, style the
frontend with
CSS/LESS for a
responsive and
mobile-friendly UI,
handle user input
with Forms and
Validators, explore
different
authentication
techniques,
including the
support for third-

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Programming Asp
Net Core
party OAuth2
Developer
Reference
providers such as
Facebook, and
deploy the
application using
Windows Server,
SQL Server, and the
IIS/Kestrel reverse
proxy. Style and
approach More than
just a technical
manual, this guide
takes you through

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the most important technical facets of developing with these two hugely popular frameworks and then demonstrates how to put those skills into practice. It's a book that recognizes that what's really important is the end

Get Free
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Net Core
product.

Learn the
fundamentals of
ASP.NET MVC and
build real-world web
applications using
ASP.NET Core
MVC About This
Book Get a first-
principles coverage
of ASP.NET MVC
and the latest
release, Core This

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book is uniquely designed for developers who are looking to transition their skills into the .NET development field The standalone chapter structure leaves you free to explore ASP.NET MVC to immediately solve your pain points Who This

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Book Is For This
book is for
developers who
want to learn to
build web
applications using
ASP.NET Core,
developers who
want to make a
career building web
applications using
Microsoft
technology, and

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developers who are working in Ruby on Rails or other web frameworks and want to learn ASP.NET Core MVC. No knowledge of the ASP.NET platform or the .NET platform is required. Even though you do not need to have experience in C#,

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an understanding of the basic constructs (loops, conditionals, classes, and objects) of any modern programming language would be helpful. What You Will Learn Get to know the concepts of ASP.NET MVC and build a new

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static web page
using HTML, CSS,
and jQuery Set up a
development
environment and
run a sample
application using the
template Create a
Controller with
action methods
Build a view using
several features of
the Razor View

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engine Construct a
Model for ASP.NET
Core MVC

application Devise a
custom mechanism
to provide maximum
flexibility to your
application through
routing Validate the
user input on the
client side using
jQuery Enhance
your applications

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Developer
Reference

using Bootstrap
Explore new
configuration and
deployment
scenarios - step by
step guide to
deploying ASP.NET
Core web
application in Linux
In Detail ASP.NET
Core MVC helps
you build robust
web applications

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using the Model-View-Controller design. This guide will help you in building applications which can be deployed on non-windows platforms such as Linux. In today's age, it is crucial that you possess the ability to separate the

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programming and
business logic, and
this is exactly what
ASP.NET Core
MVC application will
help you achieve.
This version comes
with a number of
improvements that
enable fast, TDD-
friendly
development to
create sophisticated

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applications. You would also learn the fundamentals of

Entity framework and on how to use the same in ASP.NET Core web applications. The book presents the fundamentals and philosophies of ASP.NET Core.

Starting with an

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overview of the MVC pattern, we quickly dive into the aspects that you need to know to get started with ASP.NET. You will learn about the core architecture of model, view, and control. Integrating your application with Bootstrap, validating

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user input,
interacting with
databases, and
deploying your
application are
some of the things
that you will be able
to execute with this
fast-paced guide.

The end of the book
will test your
knowledge as you
build a fully working

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sample application
using the skills
you've learned
throughout the
book. Style and
approach This book
takes a first-
principles approach
to help you
understand and
implement
ASP.NET MVC
solutions. It is

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focused primarily on giving you practical skills rather than the old conventional theoretical teaching. Build cross-platform mobile applications with Xamarin.Forms 5 and ASP.NET Core 5, 2nd Edition Programming Microsoft ASP.NET 2.0 Core Reference

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Net Core
C# 9 and .NET 5 □

Developer
Reference
Modern Cross-
Platform

Development

Build modern web
apps with ASP.NET
Core 2.0, MVC, and
EF Core 2

Design Patterns

Build Career in

Designing Cross-
Platform Web

Applications Using

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Net Core
Razor and Entity
Developer
Framework Core
Reference
(English Edition)

Learn end-to-end
web development
with leading
frontend
frameworks, such
as Angular, React,
and Vue

Now in its 8th
edition, Pro
ASP.NET Core has

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been thoroughly
updated for

ASP.NET Core 3
and online for
ASP.NET Core 5
and .NET 5.0.

This
comprehensive,
full-color guide
is the only book
you need to
learn ASP.NET
Core
development.

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Professional
developers get
ready to produce
leaner
applications for
the ASP.NET Core
platform. This
edition puts
ASP.NET Core 3
into context,
and takes a deep
dive into the
tools and
techniques

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required to
build modern,
extensible web
applications.
New features and
capabilities
such as MVC 3,
Razor Pages,
Blazor Server,
and Blazor
WebAssembly are
covered, along
with
demonstrations

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of how they can
be applied in
practice.

Following the
same popular
format and style
found in
previous
editions, author
Adam Freeman
explains how to
get the most out
of ASP.NET Core
3. Starting with

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the nuts-and-bolts topics, he teaches readers about middleware components, built-in services, request model binding, and more. Moving along, he introduces increasingly more complex

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topics and
advanced
features,
including
endpoint routing
and dependency
injection.

Written for
professionals
wanting to
incorporate the
latest
functionality of
ASP.NET Core 3

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into their projects, this book also serves as a complete reference on ASP.NET Core. Beginners with some background in Microsoft web development will also greatly benefit from the in-depth coverage

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provided

throughout. What

You Will Learn:

Build a solid
foundation and
skill set for
working with the
entire ASP.NET
Core

platformApply
ASP.NET Core 3
and ASP.NET Core
5 features in
your developer

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environment;
plentiful
reusable
templatesSee how
to create
RESTful web
services, web
applications,
and client-side
applicationsLeve
rage existing
knowledge to
efficiently get
up and running

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with new
programming
models Adam
Freeman is an
experienced IT
professional who
has held senior
positions in a
range of
companies, most
recently serving
as chief
technology
officer and

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chief operating
Developer
Reference
officer of a
global bank. Now
retired, he
spends his time
writing and long-
distance
running. "The
Rolls-Royce of
ASP.NET books,
(or if you're
American, the
Cadillac). Very
thorough!" Les

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Jackson, MCSD,
DotNet Playbook

"The author's instruction is direct, easy to understand and supplemented with clear code examples...

Whether you are a beginner learning ASP.NET Core 3.1 app development, or

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an experienced
professional
ready to master
advanced
concepts, I
consider this
book a 'must
have' for you!"
Jeremy Likness,
Senior Program
Manager,
Microsoft
"...the best
single resource

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for teaching MVC
web apps using

ASP.NET."

Charles Carter,
MSCS, MSwE, JD,
Cloud

Application
Development

Instructor,
Microsoft

Software and
Systems Academy
Software --
Software

Get Free Programming Asp Net Core Engineering.

Publisher's

Note: Microsoft

will stop

supporting .NET

5 in early May

2022. A new

edition of this

book is

available that

uses .NET 6 (an

LTS release with

support up until

November 2024),

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C# 10, and
Visual Studio
2022, as well as
Visual Studio
Code. Key

Features •
Explore the
newest additions
to C# 9, the
.NET 5 class
library, Entity
Framework Core
and Blazor •

Strengthen your

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Net Core
Developer
Reference

command of
ASP.NET Core 5.0
and create

professional
websites and
services • Build
cross-platform
apps for
Windows, macOS,
Linux, iOS, and
Android Book
Description In
C# 9 and .NET 5
- Modern Cross-

Get Free Programming Asp Net Core Platform

Development,
Fifth Edition,
expert teacher
Mark J. Price
gives you
everything you
need to start
programming C#
applications.

This latest
edition uses the
popular Visual
Studio Code

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editor to work across all major operating systems. It is fully updated and expanded with a new chapter on the Microsoft Blazor framework. The book's first part teaches the fundamentals of C#, including

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object-oriented
programming and
new C# 9

features such as
top-level
programs, target-
typed new object
instantiation,
and immutable
types using the
record keyword.
Part 2 covers
the .NET APIs,
for performing

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tasks like
managing and
querying data,
monitoring and
improving
performance, and
working with the
file system,
async streams,
serialization,
and encryption.
Part 3 provides
examples of
cross-platform

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apps you can
build and
deploy, such as
websites and
services using
ASP.NET Core or
mobile apps
using

Xamarin.Forms.

The best type of
application for
learning the C#
language
constructs and

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many of the .NET libraries is one that does not distract with unnecessary application code. For that reason, the C# and .NET topics covered in Chapters 1 to 13 feature console applications. In Chapters 14 to

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20, having
mastered the
basics of the
language and
libraries, you
will build
practical
applications
using ASP.NET
Core, Model-View-
Controller
(MVC), and
Blazor. By the
end of the book,

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you will have
acquired the
understanding
and skills you
need to use C# 9
and .NET 5 to
create websites,
services, and
mobile apps.
What you will
learn • Build
your own types
with object-
oriented

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- programming
- Query and manipulate data using LINQ
- Build websites and services using ASP.NET Core 5
- Create intelligent apps using machine learning
- Use Entity Framework Core and work with relational

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databases •

Discover Windows

app development

using the

Universal

Windows Platform

and XAML • Build

rich web

experiences

using the Blazor

framework •

Build mobile

applications for

iOS and Android

Get Free Programming Asp Net Core using

Xamarin.Forms

Who this book is
for This book is
best for C# and
.NET beginners,
or programmers
who have worked
with C# in the
past but feel
left behind by
the changes in
the past few
years. This book

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doesn't expect you to have any C# or .NET experience; however, you should have a general understanding of programming. Students and professionals with a science, technology, engineering, or

Get Free Programming Asp Net Core mathematics (STEM)

background can
certainly
benefit from
this book. Table
of Contents •
Hello, C#!
Welcome, .NET
Core! • Speaking
C# • Controlling
Flow and
Converting Types
• Writing,

Get Free Programming Asp Net Core Developer Debugging, and Testing

Functions •

Building Your
Own Types with
Object-Oriented
Programming •

Implementing
Interfaces and
Inheriting
Classes •

Understanding
and Packaging
.NET Types •

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Working with
Common .NET
Types • Working
with Files,
Streams, and
Serialization
(N.B. Please use
the Look Inside
option to see
further
chapters) Review
"Mark Price's
extraordinary
book covers

Get Free Programming Asp Net Core every aspect of C# 9 and .NET 5.

It is filled
with step-by-
step
demonstrations
and will be of
tremendous value
both to those
who want to
learn C# and to
more experienced
C# programmers
making the

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transition to C#
9. Highly
recommended!" --

Jesse Liberty -
author of

Programming C#
and Learning C#
(O'Reilly Media)

A mobile
applications
development
masterclass for
.NET and C#
developers Key

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FeaturesUncover
the new features
and capabilities
of the .NET 5
framework in
this updated and
improved second
editionOptimize
the time
required to
develop highly
performant cross-
platform applica-
tionsUnderstand

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the
architectural
patterns and
best practices
for mobile
application
development

Book
Description Are
you a .NET
developer who
wishes to
develop mobile
solutions
without delving

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into the complexities of a mobile development platform? If so, this book is a perfect solution to help you build professional mobile apps without leaving the .NET ecosystem.

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Development with
.NET will show
you how to
design,
architect, and
develop robust
mobile
applications for
multiple
platforms,
including iOS,
Android, and UWP
using Xamarin,

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.NET Core, and Azure. With the help of real-world scenarios, you'll explore different phases of application development using Xamarin, from environment setup, design, and architecture to publishing. Throughout the

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book, you'll learn how to develop mobile apps using Xamarin and .NET Standard. You'll even be able to implement a web-based backend composed of microservices with .NET Core using various Azure services

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including, but not limited to, Azure Active Directory, Azure Functions. As you advance, you'll create data stores using popular database technologies such as Cosmos DB and data models such as

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the relational
model and NoSQL.
By the end of
this mobile
application
development
book, you'll be
able to create
cross-platform
mobile
applications
that can be
deployed as
cloud-based PaaS

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Net Core
and SaaS. What
Developer
you will
learnDiscover
the latest
features of .NET
5 that can be
used in mobile
application deve
lopmentExplore
Xamarin.Forms
Shell for
building cross-
platform mobile
UIsUnderstand

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the technical
design
requirements of
a consumer
mobile appGet to
grips with
advanced mobile
development
concepts such as
app data
management, push
notifications,
and graph
APIsManage app

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data with Entity
Framework

CoreUse

Microsoft's

Project Rome for
creating cross-
device

experiences with
XamarinBecome

well-versed with
implementing

machine learning
in your mobile

appsWho this

Get Free Programming Asp Net Core

book is for This

book is for

ASP.NET Core

developers who

want to get

started with

mobile

development

using Xamarin

and other

Microsoft

technologies.

Working

knowledge of C#

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programming is
necessary to get
started.

Full-Stack Web
Development with
.NET Core and
Angular
Build
intelligent
apps, websites,
and services
with Blazor,
ASP.NET Core,
and Entity

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Net Core
Framework Core
Developer
Studio Code
Programming
ASP.NET
.NET Core 2.0 By
Example
Pro ASP.NET Core
3
Developing Real-
World Web
Applications
with ASP.NET MVC
ASP.NET Core in

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Programming Asp
Net Core
Action

**If you know the
basics of C#
and HTML/CSS,
you're ready to
learn how to
build ASP.NET
Core MVC web
apps the way
the
professionals
do. This book
covers all the**

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Programming Asp
Net Core
essentials: the
Developer
Reference
MVC pattern,
Bootstrap for
responsive
design,
routing, Razor
views, model
binding, data
validation, EF
(Entity
Framework) Core
for database
handling,

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Programming Asp
Net Core
dependency
injection,
xUnit and Moq
for unit
testing,
Identity for
authentication,
and more. It
gets you going
right away with
a subset of
basic skills,
then builds on

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those skills so
you'll soon be
developing real-
world web apps.
Along the way,
you get dozens
of practical
coding examples
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Author Dustin

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Deploying ASP.NET

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Introduction to

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Razor 6. Developing
Restful services with
ASP.NET Core 7.
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Programming
ASP.NET Core
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Learn, understand,
and code parallel
programs with
confidence using
C# 8 and .NET
Core 3.0 Key
Features a- Explore
and work with the
new features and
enhancements in

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.NET Core 3.1 and
C# 8. a-

Understand the fundamentals of parallel programming. a- Learn various threading patterns and synchronization constructs. a- Build concurrent applications using C# and .NET Core 3.1 from the ground

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up. a- Understand
the principles of
unit testing and
debugging in
concurrent
applications.

Description

Application
development has
evolved over the
last decade, and
with the advent of
the latest
technologies like

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Angular, React on client-side, and ASP.NET Core, Spring on the server-side, the consumer expectations have risen like never before. The primary objective of this book is to help readers understand the importance of asynchronous

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programming and various ways it can be achieved using .NET Core 3.1 and C# 8 to successfully build concurrent applications. Along the way reader will learn the fundamentals of threading, asynchronous programming,

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various asynchronous patterns, synchronisation constructs, unit testing parallel methods, debugging enterprise applications, and cool tips and tricks. There are samples based on practical examples that will help the reader

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effectively use
parallel
programming. By
the end of this
book, you will be
equipped with all
the knowledge
needed to
understand, code,
and debug
multithreaded,
concurrent and
parallel programs
with confidence.

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What will you learn

- a- Understand the internals of async/await.
- a- Learn how to build applications using async/await.
- a- Write unit tests for asynchronous methods.
- a- Explore various debugging techniques for enterprise applications.
- a-

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Discover cool tips, tricks, and best practices to help you avoid common mistakes. Who this book is for
Beginners and intermediate developers who build enterprise applications using .NET Core platform and tools. Advanced users can also use

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this book for
brushing up
fundamentals and
for learning
debugging tools,
techniques, tips,
and tricks. TABLE
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8? 3. .NET Core 3.1
4. Demystifying
Threading 5.
Parallel

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Programming 6.
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Synchronization
Constructs 8. Unit
Testing Parallel and
Asynchronous
Programs 9.
Debugging and
Troubleshooting (Its spelling is
incorrect in pdf) 10.
Tips and Tricks
ABOUT THE

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AUTHORS Rishabh Verma is a Microsoft certified professional and works at Microsoft as a senior development consultant, helping the customers to design, develop, and deploy enterprise-level applications. An electronic engineer by

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education, he has 12+ years of hardcore development experience on the .NET technology stack. He is passionate about creating tools, Visual Studio extensions, and utilities to increase developer productivity. His

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Developer
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interests are .NET
Compiler Platform
(Roslyn), Visual
Studio Extensibility,
code generation,
and .NET Core. He
is a member of the
.NET Foundation (<https://www.dotnetfoundation.org>). He
occasionally blogs
at [https://rishabhve
rma.net/](https://rishabhverma.net/). He has
authored a book on

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.NET Core 2.0 prior
to this title. His
twitter id is

@VermaRishabh,
and his LinkedIn
page is [https://www
.linkedin.com/in/rish
abhverma/](https://www.linkedin.com/in/rishabhverma/) Neha
Shrivastava is a
Microsoft certified
professional and
works as a software
engineer for the
Cloud & AI group at

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Microsoft India
Developer
Center. She has
about 10 years'
development
experience and has
expertise in the
financial,
healthcare, and e-
commerce domains.
Neha did her
bachelor's in
electronics
engineering. Her

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interests are the
ASP.NET stack,
Azure, and cross-
platform
development. She is
passionate about
learning new
technologies and
keeps herself up to
date with the latest
advancements. She
has already written
a book on .NET
Core 2.0 last year.

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Her LinkedIn profile page is [https://www.linkedin.com/in/neh-a-shrivastava-99a8](https://www.linkedin.com/in/neh-a-shrivastava-99a80135/)

0135/ Ravindra

Akella works as a Senior Consultant at Microsoft with more than 13 years of software development

experience.

Specializing in .NET and web-related

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technologies, his current role involves end to end ownership of products right from architecture to delivery. He has lead software architecture, design, development, and delivery of large complex solutions with > 80 software

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engineers using
Azure Cloud and
related
technologies. He is
a tech-savvy
developer who is
passionate about
embracing new
technologies. He
has delivered talks
and sessions on
Azure and other
technologies in
international

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conferences. His
LinkedIn profile is h
<https://www.linkedin.com/in/ravindra-akella/>

Design and develop
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web application
using .NET Core
3.0. This book
shows you how to
publish a web
application to a web
server and connect

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the published web application to a production database. Creating ASP.NET Core Web Applications starts by setting up the Visual Studio project where you will learn about Razor pages, Entities, and creating a data service. You will

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create models along with methods to use a query string and handle bad requests. Modifying data with Tag helpers is discussed as well as installation of Entity Framework, working with database migrations, and implementing a data

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access service. You will learn how to use layout pages and sections with Partial Views, `_ViewImports`, and `_ViewStart` files.

You also will create custom middleware and log application events. You will be able to deploy the web application as well as connect it to

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data Work with EF
Core and SQL
Server Work with
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Partial Views Use
separate scripts for
production vs
development Trace
client-side errors
using Chrome

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(SCSS) Explore
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.NET stack who
want to create
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and improves your
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development skills
Covers the best
practices of .NET

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approach to get you
started quickly with
software

programming Book
Description With
the rise in the
number of tools and
technologies
available today,
developers and

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architects are always exploring ways to create better and smarter solutions. Before, the differences between target platforms was a major roadblock, but that's not the case now. .NET Core 2.0 By Example will take you on an exciting

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journey to building
better software.

This book provides
fresh and relevant
content to .NET
Core 2.0 in a
succinct format
that ' s enjoyable to
read. It also
delivers concepts,
along with the
implications, design
decisions, and
potential pitfalls

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you might face
when targeting
Linux and Windows
systems, in a logical
and simple way.

With the .NET
framework at its
center, the book
comprises of five
varied projects: a
multiplayer Tic-tac-
toe game; a real-
time chat
application,

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Let'sChat; a chatbot; a microservice-based buying-selling application; and a movie booking application. You will start each chapter with a high-level overview of the content, followed by the above example applications described in detail.

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By the end of each chapter, you will not only be proficient with the concepts, but you ' ll also have created a tangible component in the application. By the end of the book, you will have built five solid projects using all the tools and support provided by

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the .NET Core 2.0
framework. What
you will learn Build
cross-platform
applications with
ASP.NET Core 2.0
and its tools
Integrate, host, and
deploy web apps
with the cloud
(Microsoft Azure)
Leverage the
ncurses native
library to extend

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.NET Framework
and Mono
assemblies from
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applications

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using ASP.NET
Core Learn the
differences
between SOA and
microservices and
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microservice
development using
ASP.NET Core 2.0
Walk through
functional
programming with

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Developer
Reference

from scratch Who
this book is for If
you are a developer
or architect and
want to learn how
to build cross-
platform solutions
using Microsoft
.NET Core, this
book is for you. It is
assumed that you
have some
knowledge of the

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.NET Framework,
OOP, and C# (or a
similar

programming
language).

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developer by
learning popular
Microsoft
technologies and
platforms such as
.NET Core,
ASP.NET Core,
Entity Framework,

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and Azure Key
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FeaturesBring
References
static typing to web
development with
features compatible
in TypeScript
3Implement a slim
marketplace single
page application
(SPA) in Angular,
React, and
VueModernize your
web apps with
Microsoft Azure,

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Visual Studio, and
GitBook Description
Today, full-stack
development is the
name of the game.
Developers who can
build complete
solutions, including
both backend and
frontend products,
are in great demand
in the industry,
hence being able to
do so a desirable

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skill. However, embarking on the path to becoming a modern full-stack developer can be overwhelmingly difficult, so the key purpose of this book is to simplify and ease the process. This comprehensive guide will take you through the journey

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of becoming a full-stack developer in the realm of the web and .NET. It begins by implementing data-oriented RESTful APIs, leveraging ASP.NET Core and Entity Framework. Afterward, it describes the web development field, including its history

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and future horizons.

Then, you ' ll build

webbased Single-

Page Applications

(SPAs) by learning

about numerous

popular

technologies,

namely TypeScript,

Angular, React, and

Vue. After that,

you ' ll learn about

additional related

concerns involving

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deployment,
hosting, and
monitoring by
leveraging the
cloud; specifically,
Azure. By the end
of this book, you ' ll
be able to build,
deploy, and monitor
cloud-based, data-
oriented, RESTful
APIs, as well as
modern web apps,
using the most

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popular frameworks
and technologies.

What you will
learnBuild RESTful
APIs in C# with
ASP.NET Core,
web APIs, and
Entity

FrameworkSee the
history and future
horizons of the web
development
fieldBring static-
typing to web apps

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using
TypeScriptBuild
web applications
using Angular,
React, and
VueDeploy your
application to the
cloudWrite web
applications that
scale, can adapt to
changes, and are
easy to
maintainDiscover
best practices and

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real-world tips and
tricksSecure your

backend server

with Authentication
and Authorization
using OAuth

2.0Who this book is
for This book is for
developers who are
keen on

strengthening their
skills in the field of
cloud-based full-
stack web

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development. You need basic knowledge of web-related pillars, including HTML, CSS, and JavaScript, as well as C# and REST. This book targets novice developers in the realm of Web development and ASP.NET who desire to advance to

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modern Web and
ASP.NET Core
development and
leverage the Cloud
to manage and bring
everything
together.

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Proven Approaches
to Application
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Programming

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ASP.NET Core
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An end to end guide
covering the latest
features of Visual
Studio 2019, Blazor
and Entity
Framework, 2nd
Edition
Programming
ASP.NET 3.5
Publisher's Note:

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Microsoft ceased support for .NET Core 3.0 in March 2020. A new edition of this book is available that uses .NET 6 (an LTS release with support up until November 2024), C# 10, and Visual Studio

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2022, as well as
Visual Studio
Code. Key

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modern, cross-
platform

applications with
.NET Core 3.0 Get
up to speed with
C#, and up to
date with all the
latest features of

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Net Core
C# 8.0 Start
Developer
creating

Reference
professional web
applications with
ASP.NET Core

3.0 Book

Description In C#
8.0 and .NET Core

3.0 - Modern
Cross-Platform
Development,
Fourth Edition,

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expert teacher
Mark J. Price gives
you everything
you need to start
programming C#
applications. This
latest edition uses
the popular Visual
Studio Code editor
to work across all
major operating
systems. It is fully

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updated and
expanded with
new chapters on
Content

Management
Systems (CMS)

and machine
learning with

ML.NET. The book
covers all the
topics you need.

Part 1 teaches the

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fundamentals of C#, including object-oriented programming, and new C# 8.0 features such as nullable reference types, simplified switch pattern matching, and default interface methods. Part 2

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covers the .NET Standard APIs, such as managing and querying data, monitoring and improving performance, working with the filesystem, async streams, serialization, and encryption. Part 3

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provides
examples of cross-
platform
applications you
can build and
deploy, such as
web apps using
ASP.NET Core or
mobile apps using
Xamarin.Forms.
The book
introduces three

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applications
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and Universal
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(STEM)

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background, who want to gain a solid foundation with C# 8.0 and .NET Core 3.0.

The complete, pragmatic guide to building high-value solutions with ASP.NET Core Programming
ASP.NET Core is

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application
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Microsoft's new
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framework.

Microsoft MVP
Dino Esposito
introduces proven
techniques and

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well-crafted
example code for
solving real
problems with
ASP.NET Core.

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guides you
through using all
key ASP.NET Core
technologies,
including MVC for
HTML generation,

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.NET Core, EF
Core, ASP.NET
Identity,
dependency
injection, and
much more.

Esposito
thoroughly covers
ASP.NET Core's
cross-platform
capabilities and
what's changed

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from older
ASP.NET versions,
but he doesn't
stop there: he
offers a complete
learning path for
every developer
who wants to
build production
solutions,
including mobile-
specific solutions.

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Microsoft MVP
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shows how to:

Create new
projects and
understand their
structure Set up
and use the
familiar MVC
application model
in ASP.NET Core
Write controller

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class code to govern all stages of request processing. Serve HTML from controllers, or directly via Razor Pages. Master the Razor language for quickly defining the layout of HTML.

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views Manage
cross-cutting
concerns such as
global
configuration
data, error and
exception
handling,
controller class
design, and
dependency
injection Secure

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applications with
user
authentication
and ASP.NET
Core's policy-
based user
authorization API
Design for
efficient data
access, and
choose the right
option for reading

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and writing data
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Core Web APIs
that return JSON,
XML, or other data
Use data binding
to
programmatically
update visual
components with
fresh information
Build device-

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techniques and
well-crafted
example code for
solving real
problems with
ASP.NET Core.

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guides you

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through using all key ASP.NET Core technologies, including MVC for HTML generation, .NET Core, EF Core, ASP.NET Identity, dependency injection, and much more.

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thoroughly covers
ASP.NET Core's
cross-platform
capabilities and
what's changed
from older
ASP.NET versions,
but he doesn't
stop there: he
offers a complete
learning path for
every developer

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who wants to build production solutions, including mobile-specific solutions. Microsoft MVP Dino Esposito shows how to:

- Create new projects and understand their structure
- Set up

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and use the familiar MVC application model in ASP.NET Core •
Write controller class code to govern all stages of request processing •
Serve HTML from controllers, or directly via Razor

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Pages • Master
the Razor
language for
quickly defining
the layout of
HTML views •
Manage cross-
cutting concerns
such as global
configuration
data, error and
exception

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handling,
controller class
design, and
dependency
injection • Secure
applications with
user
authentication
and ASP.NET
Core's policy-
based user
authorization API •

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Design for efficient data access, and choose the right option for reading and writing data • Build ASP.NET Core Web APIs that return JSON, XML, or other data • Use data binding to

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programmatically
update visual
components with
fresh information

- Build device-
friendly web views
for iOS and
Android
- Explore
the radically new
ASP.NET Core
runtime
environment and

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ASP.NET Core 2.0
Leverage the MVC
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Entity Framework
Core 2 to build
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applications Learn
to deploy your
web applications
in new

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such as the cloud
and Docker Who

This Book Is For
This book is for
developers who
would like to build
modern web
applications with
ASP.NET Core 2.0.
No prior
knowledge of

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ASP.NET or .NET
Core is required.

However, basic
programming
knowledge is
assumed.

Additionally,
previous Visual
Studio experience
will be helpful but
is not required,
since detailed

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instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during

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the runtime of
ASP.NET Core 2.0
web applications.

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development
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Visual Studio 2017
and Visual Studio
Code Create a
fully automated
continuous

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using Visual
Studio Team
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with detailed
examples Build an
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application and

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Reference
to access data
Add Web APIs to
your web
applications using
RPC, REST, and
HATEOAS
Authenticate and
authorize users
with built-in
ASP.NET Core 2.0

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Docker to deploy
and monitor your
applications In
Detail The ability
to develop web
applications that
are highly efficient
but also easy to
maintain has

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become imperative to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and

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dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts with a brief introduction to the ASP.NET

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Core framework and the improvements made in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the

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basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such

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Core 2 and you'll learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and

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Docker. After reading the book, you'll be able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption. Style and approach

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.NET Core in
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open source ASP.NET
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