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Nota di contenuto	Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Understanding Representational State Transfer Services; Understanding REST; Resources in REST-based architecture; The REST architectural constraints; Client-server; Stateless; Cacheable; Code on demand; Uniform interface; Resource management; SOAP, REST, and XML-RPC - a closer look; Understanding the Windows Communication Foundation; REST attributes; WebServiceHost; WebHttpBinding; WebHttpBehavior; WebOperationContext; WebMessageFormat; WebGet attribute WebInvoke attributeUriTemplate; REST-based Web Services; Learning RESTful Web Services; Implementing RESTful services in .NET 4.5; The UserNamePasswordValidator class; Simplified configuration; Standard endpoints; Discovery; Simplified IIS hosting; Improvements in REST; Implementing a RESTful Service using WCF 4.5; Creating a WCF service; Making the service RESTful; Specifying the binding information; Hosting

the RESTful WCF service; Hosting the service inside the console application; Returning JSON data; Consuming the RESTful Service; Summary

Chapter 2: Understanding Resource Oriented Architectures  
Understanding SOA; Service; Service provider; Service consumer; Service registry; Service contract; Service proxy; Service lease; Message; Service description; Advertising and discovery; From Object Orientation to SOA to ROA to REST; A look at ROA; Basic properties of ROAs; Basic concepts of ROAs; Fundamental HTTP concepts; Resource Oriented and Service Oriented Architecture; Resource; Uniform resource identifier; Addressability; Statelessness; Representations; Comparison of the three architectural styles; Summary

Chapter 3: Working with RESTful Services  
Exploring Windows Communication Foundation (WCF); Applying service behavior; New features in WCF 4.5; Enhancements in WCF Framework; Simplified configuration; Standard endpoints; Discovery; Simplified IIS hosting; REST improvements; Routing service; Automatic Help page; Bindings in WCF; Choosing the correct binding; Security in WCF - securing your WCF services; Implementing RESTful services using WCF; Creating the security database; Creating SecurityService; Making the service RESTful; Hosting SecurityService; Summary

Chapter 4: Consuming RESTful Services  
Understanding AJAX; Introducing JSON and jQuery; Understanding Language Integrated Query (LINQ); Data source controls; ObjectDataSource control; SqlDataSource control; SiteMapDataSource control; XMLDataSource control; LinqDataSource control; LINQ to XML; LINQ to SQL; LINQ to Objects; LINQ to Entities; Working with service operations in LINQ; Security Service; Consuming Security Service; ASP.NET; Consuming Security Service using ASP.NET 4.5; The ASP.NET MVC Framework; Consuming Security Service using ASP.NET MVC; Asynchronous operations

Understanding Windows Presentation Foundation

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#### Sommario/riassunto

This book is a step-by-step, practical tutorial with a simple approach to help you build RESTful web applications and services on the .NET framework quickly and efficiently. This book is for ASP.NET web developers who want to explore REST-based services with C# 5. This book contains many real-world code examples with explanations whenever necessary. Some experience with C# and ASP.NET 4 is expected.

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