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Nota di contenuto	Contents at a Glance; Contents; About the Authors; About the Technical Reviewer; Acknowledgments; Introduction; Chapter 1: Getting Started with Microsoft and Mapping; Mapping and Microsoft; Bing Maps for Developers; Microsoft SQL Server for Location Applications; Windows Azure to Host Your Application; Maps without Code: Microsoft Power Map; What You Need to Get Started; A Few Words on Terminology; Introducing the Sample Application; Developing Your Application; Wrapping Up; Chapter 2: Painless Hosting with Azure; Why Microsoft Azure?; Cloud-Computing Services Virtual Machines (IaaS)Cloud Services (PaaS); Websites (SaaS); Microsoft Azure Data Management; Blobs; Tables; SQL Databases; Setting Up Microsoft Azure; Getting a Microsoft Azure Account; Getting the Microsoft Azure SDK; Hosting a Bing Map on Azure; Obtaining a Bing Maps Account; Obtaining a Bing Maps Key; Building the Bing Map; Hosting the Bing Map on Microsoft Azure; Wrapping Up; Chapter 3: Geospatial Data with Azure SQL Database; SQL Database Overview; Accessing Data in SQL Database; SQL Database Architecture Overview; The Client Layer ; The Service Layer

The Platform Layer The Infrastructure Level ; SQL Database Provisioning Model ; Federations in SQL Database; Geospatial Representation in SQL Database; Spatial Reference Systems Overview; SQL Database Spatial Data Types; Setting Up a SQL Database; Inserting Geospatial Data into a SQL Database; Wrapping Up; Chapter 4: Hosting WCF Services on Microsoft Azure; WCF: A Crash Course; Services; Endpoints ; Addresses ; Bindings ; Contracts ; Hosting; WCF Client ; WCF Client Proxy ; WCF Service for Earthquake Data; Creating the WCF Service ; Hosting the WCF Service on Azure Client Application A Note on Debugging ; Wrapping Up; Chapter 5: Map Visualization with Bing Maps for the Web; Bing Maps Ajax Control Basics; Playing with the Map View; Map Markers; Setting the Location of a Pushpin ; Polygons; Putting It All Together; Create the Model; Loading the Earthquake Data (The Controller); Displaying the Earthquake Data (The View); Wrapping Up; Chapter 6: Doing More with Bing Maps; Location; Where Is It?; Sample Location Query Application; Where Am I?; Routing; Sample Routing Query Application; Directions Module ; Traffic; Theming Building Your Own Modules Wrapping Up; Chapter 7: Bing Maps for WPF; Introducing the Bing Maps for WPF Control; Getting the Control; Key Classes and Relationships; Using the Control; Kicking the Tires; Earthquakes Everywhere!; Geocoding with the Bing Maps Geocoder Service ; Routing with the Bing Maps Routing Service ; Wrapping Up; Chapter 8: Bing Maps for Windows Universal Applications; Introducing Bing Maps for Windows Universal Applications; Seeing the Map Control in Action; Your First Windows Universal Map App; Creating a Custom Map Icon; Switching Map Modes Showing Streetside Imagery

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## Sommario/riassunto

This 200 page revised edition of Microsoft Mapping includes the latest details about SQL Server 2014 and the new 3D and Streetside-capable map control for Windows 10 applications. It contains updated chapters on Microsoft Azure and Power Map for Excel plus a new chapter on Bing Maps for Universal Windows. The book tells a story, from beginning to end, of planning and deploying a single geospatial application built using Microsoft technologies from end-to-end. Readers are expected to have basic familiarity with the fundamentals of developing for Microsoft platforms (some understanding of basic SQL, C#, .NET, and WCF); as readers work through the book they will build on their existing skills so that they will be able to deploy geospatial applications for social networking, data collection, enterprise management, or other purposes. Microsoft Mapping Second Edition provides: The only full book for developers who want to create location-aware apps using the Windows 10 platform Fully working code samples that show the concepts in use with ASP.NET 4.5 and Windows 10. Complete solutions to the common problems of geospatial development: visualization, hosting and localization of services are all explained. Demonstrates how the Bing Maps API can be connected to the Azure Cloud in order to provide a stand-alone mapping bolt-on with little additional up-front cost and great reliability. Unique coverage of how the Bing Maps API can be implanted within Windows and Windows Phone applications for Windows 10 applications to provide a robust service tailored to the capabilities of each device. Coverage of the new Windows 10 Bing Maps control, which supports viewing Streetside and aerial data.

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