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Autore	Nasser Hussein
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Nota di contenuto	Cover; Copyright; Credits; Foreword; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Best Practices for Installing ArcGIS for Server; Installation tracks; Testing Installation Track; Production Installation Track; Virtualization Track; The anatomy of the Server site; Server site components; Web server; GIS server; Server site management; Services; Machines; Output directories; Configuration stores; Clusters; Data stores; Extensions; Logfiles; Testing Installation Track; Server requirements; System requirements; Hardware requirements Software installationConfiguring Server site; Production Installation Track; Server requirements; System requirements; Hardware requirements; Software installation; Active Directory configuration; GIS server installation; Web server installation; Virtualized Environment Installation Track; Installing Oracle Virtual Box; Adding a new virtual machine; Cloning a virtual machine; Summary; Chapter 2: Authoring Web Services; The classical web service; Creating a classical web service; Enabling ASP on IIS; Writing the web service using ASP; Web services' protocols The importance of a standard formatSOAP; REST; The Web Server; GIS

services; Map services; Connecting to the Server site; Disabling automatic data copying; Authoring map services with file geodatabase; Registering the data source; Authoring map service with enterprise geodatabase; Offline authoring and publishing; Protocols enabled for map services; OGC services; Authoring WMS services; Authoring WFS services; Geoprocessing services; Testing the GIS services; Summary; Chapter 3: Consuming GIS Services; Before you start; Getting the map service URL; Publishing the utility map service
Using GIS services for visualization Consuming services from the GIS software; Using ArcMap; Using QGIS; Using Google Earth; Consuming services from APIs; Winter is coming - the Flex and Silverlight APIs; Using the ArcGIS JavaScript API; Using GIS services for editing; Prerequisites; Setting up the SDE geodatabase; Connecting and registering the SDE geodatabase; Publishing a feature service; Editing feature services using ArcMap; Using GIS services for analysis; Prerequisites; Finding the outage cause - scenario 1; Finding the outage cause - scenario 2; Meanwhile, on the GIS servers; Summary
Chapter 4: Planning and Designing GIS Services Case study of Restaurants - the restaurants locator in Belize; Planning GIS services; Analyzing requirements; Nominating GIS services; Option 1 - single service; Option 2 - multiple services; Designing GIS services; Database design; Entity-relationship diagram; Optimizing using the database indexing; GIS services design; Option 1 - single map service; Option 2 - multiple map services; Single or multiple; Deploying GIS services; Enabling geodatabase; Adding a world basemap; Authoring GIS services; Summary; Chapter 5: Optimizing GIS Services
GIS service instance

Sommario/riassunto

This book is a practical, step-by-step tutorial providing a complete reference guide to the setup, installation, and administration of ArcGIS Server technology. If you are a GIS user, analyst, DBA, or programmer with a basic knowledge of ESRI GIS, then this book is for you.
