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Nota di contenuto	Cover; Copyright; Credits; About the Authors; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Getting Started with Microsoft Dynamics AX 2012 Services; Introducing services and SOA; Example implementations; Bing API; Mobile application; Business Process Modeling (BPM); Architectural overview; New and enhanced features; The AOS WCF service host; WCF adapters; Integration ports; IIS hosting without Business Connector; Non-XML support; AIF change tracking; Custom services; The SysOperation framework; Types of services; Document services; Custom services System services The query service; The metadata service; The user session service; The OData query service; Choosing the right service for the job; Complexity; Flexibility; Summary; Chapter 2: Service Architecture and Deployment; Introducing WCF; Existing technologies; The ABC of WCF; Service deployment; Service operations; Inbound versus outbound ports; Inbound ports; Outbound ports; Basic versus enhanced ports; Basic ports; Enhanced ports; Bindings; Adapters; The NetTcp adapter; The HTTP adapter; The filesystem adapter; The MSMQ adapter; The Windows Azure Service Bus adapter; Custom adapters Service generation - under the hood Generated artifacts; Service contract and implementation; Message contracts; WCF configuration storage; The power of CIL; CIL output; Summary; Chapter 3: AIF

Document Services; Introducing document services; Key components; The document query; The document class; Responsibilities of a document class; AxBC classes; Responsibilities of an AxBC class; The service class; The service node; Creating a document service; Setting the compiler level; Creating the query; Running the AIF Document Service Wizard; Selecting document parameters
Selecting code generation parameters
Generating code; Finishing up; Fixing compiler errors; Fixing tasks; Updating the service contract; Fixing best practice errors; Privileges; Setting mandatory fields; Updating an existing document service; Adding service operations; Updating supporting classes; Deploying a document service; Consuming a document service; Create; Find; Creating query criteria; Using Find; Read; FindKeys; Update; Delete; GetKeys; Document filter; Using GetKeys; GetChangedKeys; Asynchronous communication; The send service framework; Batch processing; Summary
Chapter 4: Custom Services Key components; Attributes; Custom services attributes; Data contracts; Service contracts; Collection types; Creating custom services; The Title service; Creating the Title data contract; Creating the Title list data contract; Creating the Title service class; Creating the Title service operation; Creating the Title list service operation; Creating the Title service contract; Deploying services; The rental service; Rental header and line tables; Rental service operations; Rental data contracts; The create Rental service operation; Consuming services
Example 1 - retrieving titles

Sommario/riassunto

This book is a tutorial guide that covers each topic in depth with examples. The step-by-step approach will help you better understand each task as you will have to perform them frequently when utilizing the services. If you are a Dynamics AX developer, new or experienced who wants to implement services with Microsoft Dynamics AX 2012, then this book is for you. A basic understanding of MorphX and X++ is assumed, but the step-by-step instructions are easy to follow even for beginners. Some examples use C# and .NET, so experience with Visual Studio is a plus but not a must.
