

1. Record Nr.	UNINA9910786777903321
Autore	Dovgal Andre
Titolo	Applied architecture patterns on the Microsoft platform : work with various Microsoft technologies using applied architecture patterns // Andre Dovgal, Gregor Noriskin, Dmitri Olechko
Pubbl/distr/stampa	Birmingham, England : , : [Packt] Publishing, , 2014 ©2014
ISBN	1-84968-913-X
Edizione	[Second edition.]
Descrizione fisica	1 online resource (456 p.)
Collana	Professional Expertise Distilled
Disciplina	005.12
Soggetti	Software architecture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Authors; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Solution Decision Framework; The need for a decision framework; Sources of input; Organizational direction; Functional requirements and use cases; Non-functional requirements; Derived (architectural) requirements; Deciding upon your architecture strategy; Technology evaluation dimensions; Organizational context; Solution design aspects; Solution implementation aspects; Solution operation aspects; Applying the framework; Summary; Chapter 2: The .NET Framework Primer An evaluation framework for .NET Framework APIs Evaluation framework dimensions; Evaluation framework ratings; The .NET Framework; The Base Class Library; The System namespace; The System.Text namespace; The System.IO namespace; The System.Net namespace; The System.Collections namespace; The System.Collections.Generic namespace; The System.Collections.Concurrent namespace; The System.Linq namespace; The System.Xml namespace; The System.Xml.Linq namespace; The System.Security.Cryptography namespace; The System.Threading namespace; The System.Threading.Tasks namespace The System.ServiceProcess namespace The System.ComponentModel.Composition namespace; The System.ComponentModel.DataAnnotations namespace; ADO.NET; The System.Data namespace; The System.Data.Entity namespace; The System.Data.Linq namespace;

The System.Data.Services namespace; Windows Forms; The System.Windows.Forms namespace; Windows Presentation Foundation; The System.Windows namespace; ASP.NET; The System.Web.Forms namespace; The System.Web.Mvc namespace; The System.Web.WebPages namespace; The System.Web.Services namespace; The Microsoft.AspNet.SignalR namespace  
Windows Communication FoundationThe System.ServiceModel namespace; Windows Workflow Foundation; The System.Activities namespace; Summary; Chapter 3: The SQL Server Primer; What is included in SQL Server 2012?; SQL Server editions; SQL Server components and tools; SQL Server 2012 abilities; High availability; Manageability; Programmability and maintainability; Scalability; Performance; Security; Data quality; Building the payroll processor application; Use case; Key requirements; Functional requirements - first draft; Requirements analysis; Functional requirements - second draft Nonfunctional requirementsThe database design; The Input dataset design; The application prototype design; The ABC client design; The XYZ client design; Lessons learned; New features of SQL Server 2014; Summary; Chapter 4: The SSIS Primer; What's new in SSIS 2012; Building the payroll processor application; Adding more details to the RPP use case; Requirements analysis; SSIS package design; Lessons learned; What's new in SSIS 2014; Summary; Chapter 5: The BizTalk Server Primer; Using BizTalk in an integration architecture; BizTalk essentials; New features of BizTalk Server 2013  
BizTalk Server editions

---

## Sommario/riassunto

Presented in a scenario-driven tutorial way, we lead you through fictitious example problems and present you with the best solutions. This book is intended for architects, developers, and managers who need to improve their knowledge of the Microsoft application platform. This book will appeal to anyone, especially consultants, who want to get up to speed on selecting the most appropriate platform for a particular problem. A good understanding of the general Windows platform and development technologies would be helpful.

---