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Autore	How Matt	
Titolo	The Modern Data Warehouse in Azure : Building with Speed and Agility on Microsoft's Cloud Platform / / by Matt How	
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2020	
Edizione	[1st ed. 2020.]	
Descrizione fisica	1 online resource (297 pages)	
Disciplina	658.40380285574	
Soggetti	Microsoft software	
	Microsoft .NET Framework	
	Database management	
	Microsoft and .NET	
	Database Management	
Lingua di pubblicazione	Inglese	
Formato	Materiale a stampa	
Livello bibliografico	Monografia	
Nota di bibliografia	Includes bibliographical references.	
Nota di contenuto	1. The Rise of the Modern Data Warehouse -- 2. The SQL Engine -- 3. The Integration Engine -- 4. The Ingestion Architecture -- 5. The Role of the Data Lake -- 6. The Role of the Data Contract -- 7. Logging, Auditing, and Resilience -- 8. Using Scripting & Automation -- 9. Beyond the Modern Data Warehouse.	
Sommario/riassunto	Build a modern data warehouse on Microsoft's Azure Platform that is flexible, adaptable, and fast—fast to snap together, reconfigure, and fast at delivering results to drive good decision making in your business. Gone are the days when data warehousing projects were lumbering dinosaur-style projects that took forever, drained budgets, and produced business intelligence (BI) just in time to tell you what to do 10 years ago. This book will show you how to assemble a data warehouse solution like a jigsaw puzzle by connecting specific Azure technologies that address your own needs and bring value to your business. You will see how to implement a range of architectural patterns using batches, events, and streams for both data lake technology and SQL databases. You will discover how to manage metadata and automation to accelerate the development of your warehouse while establishing resilience at every level. And you will	

know how to feed downstream analytic solutions such as Power BI and Azure Analysis Services to empower data-driven decision making that drives your business forward toward a pattern of success. This book teaches you how to employ the Azure platform in a strategy to dramatically improve implementation speed and flexibility of data warehousing systems. You will know how to make correct decisions in design, architecture, and infrastructure such as choosing which type of SQL engine (from at least three options) best meets the needs of your organization. You also will learn about ETL/ELT structure and the vast number of accelerators and patterns that can be used to aid implementation and ensure resilience. Data warehouse developers and architects will find this book a tremendous resource for moving their skills into the future through cloud-based implementations. You will: Choose the appropriate Azure SQL engine for implementing a given data warehouse Develop smart, reusable ETL/ELT processes that are resilient and easily maintained Automate mundane development tasks through tools such as PowerShell Ensure consistency of data by creating and enforcing data contracts Explore streaming and event-driven architectures for data ingestion Create advanced staging layers using Azure Data Lake Gen 2 to feed your data warehouse.

2. **Record Nr.**   UNINA990000825710403321

Titolo   1: Agriculture proprement dite

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Descrizione fisica   VIII, 568 p. : ill. ; 26 cm

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Livello bibliografico   Monografia