

1. Record Nr.	UNINA9911034955703321
Autore	Ward Bob
Titolo	SQL Server 2025 Unveiled : The AI-Ready Enterprise Database with Microsoft Fabric Integration / / by Bob Ward
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2025
ISBN	979-88-6881-847-9
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (265 pages)
Collana	Professional and Applied Computing Series
Disciplina	005.75/6
Soggetti	SQL (Computer program language) Client/server computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. The AI-Ready Enterprise Database -- 2. Ready, Set, Go -- 3. AI Fundamentals -- 4. AI Built-in -- 5. The Modern SQL Developers, Developers, Developers -- 6. Connecting to the Cloud with Azure Arc -- 7. The Core Engine of SQL Server 2025 -- 8. Integrating SQL Server 2025 with Microsoft Fabric -- 9. Microsoft SQL Ground.
Sommario/riassunto	Unveil the data platform of the future with SQL Server 2025—guided by one of its key architects. With built-in AI for application development and advanced analytics powered by Microsoft Fabric, SQL Server 2025 empowers you to innovate—securely and confidently. This book shows you how. Author Bob Ward, Principal Architect for the Microsoft Azure Data team, shares exclusive insights drawn from over three decades at Microsoft. Having worked on every version of SQL Server since OS/2 1.1, Ward brings unmatched expertise and practical guidance to help you navigate this transformative release. Ward covers everything from setup and upgrades to advanced features in performance, high availability, and security. He also highlights what makes this the most developer-friendly release in a decade: support for JSON, RegEx, REST APIs, and event streaming. Most critically, Ward explores SQL Server 2025's advanced, scalable AI integrations, showing you how to build AI-powered applications deeply integrated with the SQL engine—and elevate your analytics to the next level. But innovation doesn't come at the cost of safety: this release is built on a foundation of enterprise-grade security, helping you adopt AI safely and responsibly. You control

which models to use, how they interact with your data, and where they run—from ground to cloud, or integrated with Microsoft Fabric. With built-in features like Row-Level Security (RLS), Transparent Data Encryption (TDE), Dynamic Data Masking, and SQL Server Auditing, your data remains protected at every layer. The AI age is here. Make sure your SQL Server databases are ready—and built for secure, scalable innovation.

What You Will Learn

- Understand why SQL Server 2025 is a unique new release
- Grasp the fundamentals of AI to leverage AI with your data, using the industry-proven security and scale of SQL Server
- Utilize AI models of your choice, services, and frameworks to build new AI applications
- Explore new developer features such as JSON, Regular Expressions, REST API, and Change Event Streaming
- Discover SQL Server 2025's powerful new engine capabilities to increase application concurrency
- Examine new high availability features to enhance uptime and diagnose complex HADR configurations
- Use new query processing capabilities to extend the performance of your application
- Connect SQL Server to Azure with Arc for advanced management and security capabilities
- Secure and govern your data using Microsoft Entra
- Achieve near-real-time analytics with the unified data platform Microsoft Fabric
- Integrate AI capabilities with SQL Server for enterprise AI
- Leverage new tools such as SQL Server Management Studio and Copilot experiences to assist your SQL Server journey
