

There's more data on the edge than ever Unlock intelligence with Azure SQL Database Edge



A data and analytics engine specifically designed for edge workloads

By 2025, **75%** of enterprise-generated data will be created and processed outside the data center or cloud - up from less than 20% today¹



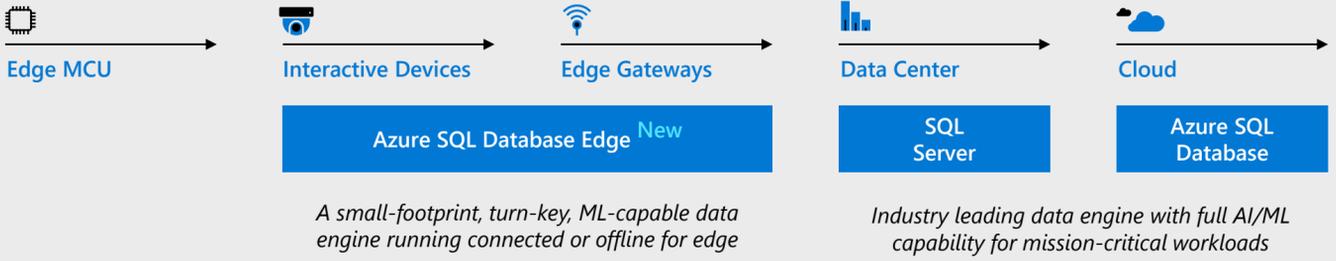
But there are challenges for data engines running on edge

 Platform constraints and fewer database choices	 Limitations on size and processing power	 Increased latency with complexity on AI	 Complex data management and steep learning curve	 Security risks and compliance concerns
Choice of platform Arm64 x64 	Time-series built-in 	AI built-in 	Turn-key management 	Unparalleled performance & security
Light weight SQL Server engine <500 MB tuned to run on ARM and Intel devices	Built-in time-series streaming and analytics	Machine Learning over all data with SQL In-Database ML and Spark	Single management plane for deployment & updates	Most secure with industry leading performance benchmarks ²

Azure SQL Database Edge resolves the important challenges of edge computing

Bringing the performant and secure Microsoft SQL engine to the edge

Preserving consistency for application development and security control



Primary uses cases for Azure SQL Database Edge

Native data movement

Optimize network bandwidth for native data sync with cloud/enterprise portal
Stream IoT data from edge with a high performant engine

Complete analytics platform

Single management plane for deployment, updates, re-initialization
Consistent security management across edge/enterprise; flexible HA/DR built-in

Ease of management

Process time-series data directly in the Azure SQL Database Edge engine
Use SQL Server in-database machine learning for predictions and actions real time on Edge

Time-series, relational, and graph together

Store and analyze over relational, time-series or graph data
Unlock greater insights by combining graph and time-series data

Get the most from your edge workloads.
Join the early adopter program:

<https://azure.microsoft.com/en-us/services/sql-database-edge>

¹Gartner: Market Guide for Edge Computing Solutions for Industrial IoT, Santhosh Rao, Aapo Markkanen, 19 July 2018

²National Institute of Standards and Technology Comprehensive Vulnerability Database