Creating Memory Optimized Tables



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Agenda



In-Memory OLTP

Memory Optimized Tables

Faster Performance

Use Cases and Strategies

Demo



What is In-Memory OLTP?

In-Memory OLTP is the SQL Server technology for optimizing performance of transaction processing, data ingestion, data load, and transient data scenarios.

Available in SQL Server and Azure SQL Database.



In Memory OLTP

Memory-optimized tables

0

Non-durable tables

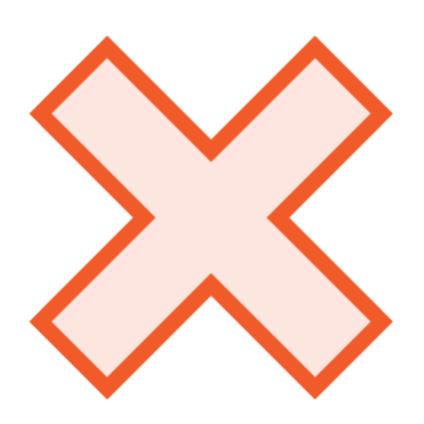
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Memory-optimized table types

CRI

Natively compiled T-SQL modules





Incorrect Assumptions

- Immature product
- Like DBCC PINTABLE
- Separate installation
- Works without any changes
- Data is not durable
- Poor Security



Use Cases of In-Memory OLTP Technology

Caching and Session State Management

Data Ingestion

High Volume and High Velocity

Tempdb Object Replacement ETL Workflow



Demo



Environment Setup

Creating Memory Optimized Table



Summary



In-Memory OLTP Technology is Faster

Latest Eco-System Needs

Supports Hybrid Business Requirements

