Known Issues & Limitations for Public preview

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Limitations for Azure SQL Database ledger

This article provides an overview of the limitations when using ledger tables with Azure SQL Database. See Limitations for Azure SQL Database ledger for more details. *(Note public docs will not be live until preview launches)*

Common Issues and Solutions

- When configuring an Azure Storage account for digest storage, an time-based retention immutability policy should be configured to protect the digests from potential tampering. The policy must be configured after the storage account and container are created. As such, this must be done after configuring the storage account in Azure SQL Database ledger. See Set and manage immutability policies for Blob storage for details.
- Azure Confidential Ledger does not currently have an Azure Portal experience for viewing and managing ledgers. Refer to the REST API documentation for how to access Azure Confidential Ledger resources.
- Issues with Storage during initial configuration - https://supportability.visualstudio.com/AzureSQLDB/_wiki/wikis/AzureSQLDB.wiki/487681/Enabling-Ledger-in-West-US-with-Azure-Storage-fails-to-associate-Ledger-with-Storage-account

See complete list below

Limitations

- You cannot enable ledger database for append-only tables. Append-only ledger tables can be created any time through T-SQL, even if you have ledger database enabled.
- Once enabled, ledger database cannot be disabled.
- Once created, updatable and append-only ledger tables cannot be reverted back to non ledger-enabled tables.
- Ledger tables, and columns in ledger tables, once dropped are not deleted from your database. Instead, they are renamed in order to preserve the data in these tables.
- Existing tables cannot be converted to ledger tables. Instead you will have to copy the data from your existing tables to newly created ledger tables.

Limitations

Function	Limitation
Enabling database-level ledger for append-only tables	When database-level ledger is enabled, all future tables created in the database will be updatable ledger tables. Append-only ledger tables can be created in T-SQL create table statements
Disabling database-level ledger	Once enabled, database-level ledger cannot be disabled.
Maximum # of columns	When created, updatable ledger tables add 4 system-generated columns to the ledger table and append-only ledger tables add 2 columns to the ledger table. These new columns count against the maximum supported number of columns in Azure SQL Database (1024).
Restricted data types	XML and SqlVariant data types are not supported.
In-memory tables	In-memory tables are not supported.
Sparse column sets	Sparse column sets are not supported.
Ledger truncation	Deleting older data in append-only ledger tables, or the history table of an updatable ledger table is not currently supported.
Converting existing tables to ledger tables	Existing tables in a database that are not ledger-enabled cannot be converted over to ledger tables.
LRS support for automated digest management	Automated digest management with ledger tables using Azure Storage immutable blobs does not offer the ability for users to use LRS (locally-redundant storage) accounts.

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