

Restore database from MI to on-premises

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Native restore from SQL Managed Instance to SQL Server is supported, but only to SQL Server 2022, during the [mainstream support period of SQL Server 2022](#) [❏]. It's possible that, in the future, some features may be introduced to Azure SQL Managed Instance that require changes to the database format, making backups incompatible with SQL Server 2022. Access to such features will require explicit opt-in.

COPY_ONLY backups from managed instance can be restored to SQL Server 2022 (inclusive of all editions - Enterprise, Developer and Standard).

Note: Customers can only take manual backups of databases on MI that are encrypted with CMK (BYOK). Backing up databases with SMK is not supported. To restore databases that are encrypted at rest by using Transparent Data Encryption (TDE), the destination instance of SQL Server must have access to the same key that's used to protect the source database through the SQL Server Connector for Azure Key Vault. For details, review [Set up SQL Server TDE with AKV](#) [❏].

For migrating MI to SQL Server (other than 2022), BACPAC and Transactional Replication would be other options. See [Moving databases from Azure SQL Managed Instance to SQL Server](#) [❏].

Public Doc Reference

- [COPY ONLY backups on Azure SQL Managed Instance](#) [❏]
- [How to restore a database backup from Azure SQL Managed Instance to SQL Server 2022](#) [❏]

Collaboration with On-prem team

When customers run into issues/errors restoring MI Backups to On-prem SQL Server 2022, a collab can be raised with the SQL Server 2022 team here:

SQL Server/SQL Server 2022 on Windows/SQL Server 2022 Database Engine Windows/Database Backup and Restore/Errors or unexpected results during operation

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