

# BS&A Cloud SQL Database Overview

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BS&A Software utilizes Microsoft Azure's SQL Managed Instance service for hosting your database in the cloud. Azure SQL Managed Instance is the intelligent, scalable cloud database service that combines the broadest SQL Server database engine compatibility with all the benefits of a fully managed and evergreen platform as a service.

For more information about Microsoft Azure SQL Managed Instance please refer to the following article: <https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/sql-managed-instance-paas-overview>

## Backup Frequency & Retention

Databases are backed up automatically and fall in to two separate categories detailed below.

### Short-term backups

Azure SQL Managed Instance uses SQL Server technology to create full backups every week, differential backups every 12-24 hours, and transaction log backups every 5 to 10 minutes. These backups are retained for up to 7 days allowing for a point-in-time restore (PITR) to be performed within this timeframe.

### Long-term backups

In addition to short-term backups databases will be enrolled automatically in the following long-term backup schedule:

- Weekly backups will be retained for **4 weeks**
- The first backup of each month will be retained for **3 months**.

## Backup Storage Redundancy

Database backups are stored geo-redundantly ensuring that your data is replicated to a paired region. Geo-redundancy helps to protect from planned and unplanned events, including transient hardware failure, network or power outages, or massive natural disasters.

## Availability

Azure SQL Managed Instance has an availability guarantee of at least 99.99%. The goal of the high availability architecture in Azure SQL Managed Instance is to guarantee that your database is up and running without worrying about the impact of maintenance operations and outages.

For more information please refer to the following article:

<https://azure.microsoft.com/en-us/support/legal/sla/azure-sql-sql-managed-instance>