

# DATABASE TOOLS FOR MICROSOFT AZURE

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Manage the cloud components of Microsoft Azure with IDERA products

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## INTRODUCTION

The cloud is becoming increasingly important to data professionals and to their management. There are a variety of cloud delivery options (IaaS, SaaS, PaaS, and DBaaS) and cloud deployment models (public, private, hybrid, government) available, yet these offerings still require data professionals to do some of the work. Whether that involves migration, monitoring, management, or security of the data on the cloud platforms, data professionals still need to set up and make tweaks to suit their organization's current and changing business needs.

No matter the cloud configuration, IDERA provides solutions to help monitor, manage, secure, model, and develop databases in cloud environments based on your specific needs. IDERA offers multiple products in its portfolio to ease the burden of accessing and managing cloud database environments and simplifying migrations of data to the cloud. In this solution brief, learn how to manage the different cloud components of Microsoft Azure with products from IDERA.

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**IDERA** allows a small group of database administrators to manage a growing environment of servers and databases in the cloud without increasing their workload proportionately.

IT Director at a Small Banking Business in USA with 100 to 499 SQL Server Databases

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Most of IDERA's products run on Azure Virtual Machines, support databases on Azure Virtual Machines and can map drives to Azure Blob Storage. Several of IDERA's products support Azure SQL Database, and SQL Safe Backup supports Azure Blob Storage.

## RUN ON AZURE VIRTUAL MACHINES

### Database Management

- **Monitoring and Performance:** SQL Diagnostic Manager for SQL Server, SQL Inventory Manager, SQL Doctor, SQL Defrag Manager, SQL BI Manager, DB Optimizer, and Precise for Databases run on Azure Virtual Machines for Windows. SQL Diagnostic Manager for MySQL runs on Azure Virtual Machines for Windows and Linux.
- **Backup and Administration:** SQL Safe Backup, SQL Enterprise Job Manager, SQL Admin Toolset, and DBArtisan run on Azure Virtual Machines for Windows.
- **Security and Compliance:** SQL Compliance Manager and SQL Secure run on Azure Virtual Machines for Windows.

### Database Development

- **Data Modeling and Architecture:** ER/Studio Data Architect, ER/Studio Business Architect, and ER/Studio Enterprise Team Edition run on Azure Virtual Machines for Windows.
- **Development:** Aqua Data Studio runs on Azure Virtual Machines for Windows. Rapid SQL, DB Change Manager, and SQL Comparison Toolset run on Azure Virtual Machines for Windows.

### IT Management

- **Infrastructure Performance:** Uptime Infrastructure Monitor runs on Azure Virtual Machines for Windows and Linux.
- **Application Performance:** Precise for Applications runs on Azure Virtual Machines for Windows.

# SUPPORT DATABASES ON AZURE VIRTUAL MACHINES

## Database Management

- **Monitoring and Performance:** SQL Diagnostic Manager for SQL Server, SQL Inventory Manager, SQL Doctor, SQL Defrag Manager, and SQL BI Manager support Microsoft SQL Server on Azure Virtual Machines. SQL Diagnostic Manager for MySQL monitors MySQL and MariaDB on Azure Virtual Machines. DB Optimizer supports databases (including Oracle Database, SAP Sybase ASE, IBM DB2, and Microsoft SQL Server) on Azure Virtual Machines. Precise for Databases monitors Oracle Database, SAP Sybase ASE, Microsoft SQL Server, and IBM DB2 on Azure Virtual Machines.
- **Backup and Administration:** SQL Safe Backup, SQL Enterprise Job Manager, and SQL Admin Toolset support Microsoft SQL Server on Azure Virtual Machines. DBArtisan supports Pivotal Greenplum Database, IBM DB2, Microsoft SQL Server, MySQL, Oracle Database, PostgreSQL, and SAP Sybase ASE and IQ on Azure Virtual Machines.
- **Security and Compliance:** SQL Compliance Manager and SQL Secure support Microsoft SQL Server on Azure Virtual Machines.

## Database Development

- **Data Modeling and Architecture:** ER/Studio Data Architect and ER/Studio Enterprise Team Edition support databases on Azure Virtual Machines.
- **Development:** Aqua Data Studio supports Microsoft SQL Server and many other database platforms on Azure Virtual Machines. Rapid SQL supports Pivotal Greenplum Database, IBM DB2, Microsoft SQL Server, MySQL, Oracle Database, PostgreSQL, and SAP Sybase ASE and IQ on Azure Virtual Machines. DB Change Manager supports Oracle Database, SAP Sybase ASE, IBM DB2, and Microsoft SQL Server on Azure Virtual Machines. SQL Comparison Toolset supports Microsoft SQL Server and Oracle Database on Azure Virtual Machines.

## IT Management

- **Infrastructure Performance:** Uptime Infrastructure Monitor monitors Azure Virtual Machines and databases on Azure Virtual Machines.
- **Application Performance:** Precise for Applications monitors SAP, Oracle PeopleSoft, Oracle E-Business Suite, Microsoft .NET Framework, and Java/J2EE Platform on Azure Virtual Machines.

# SUPPORT AZURE MANAGED DATABASES

## Database Management

- **Monitoring and Performance:** SQL Doctor supports Azure SQL Database.
- **Security and Compliance:** SQL Secure supports Azure SQL Database.

## Database Development

- **Data Modeling and Architecture:** ER/Studio Data Architect and ER/Studio Enterprise Team Edition support Azure SQL Database.
- **Development:** Aqua Data Studio and SQL Comparison Toolset support Azure SQL Database.



# SUPPORT AZURE BLOB STORAGE

For Microsoft Windows, cloud storage can map as a network drive or a removable drive via third-party software (for example, CloudBerry Drive and Mountain Duck) to Azure Blob Storage. Network drives are available to other computers in the local network. Removable drives are available only to users of the local system. Microsoft Windows sends fewer requests to network drives, and Microsoft Windows is more tolerant of delays for network drives.

## Database Management

- **Monitoring and Performance:** SQL Diagnostic Manager for SQL Server, SQL Diagnostic Manager for MySQL, SQL Inventory Manager, SQL Doctor, SQL Defrag Manager, SQL BI Manager, DB Optimizer, and Precise for Databases can access drives mapped to Azure Blob Storage.
- **Backup and Administration:** SQL Enterprise Job Manager, SQL Admin Toolset, and DBArtisan can access drives mapped to Azure Blob Storage. SQL Safe Backup supports Azure Blob Storage, and it can access drives mapped to Azure Blob Storage.
- **Security and Compliance:** SQL Compliance Manager and SQL Secure can access drives mapped to Azure Blob Storage.

## Database Development

- **Data Modeling and Architecture:** ER/Studio Data Architect, ER/Studio Business Architect, and ER/Studio Enterprise Team Edition can access drives mapped to Azure Blob Storage.
- **Development:** Rapid SQL, DB Change Manager, and SQL Comparison Toolset can access drives mapped to Azure Blob Storage.

## IT Management

- **Infrastructure Performance:** Uptime Infrastructure Monitor can access drives mapped to Azure Blob Storage.
- **Application Performance:** Precise for Applications can access drives mapped to Azure Blob Storage.