DATABASE TOOLS FOR AWS

Manage the cloud components of Amazon Web Services with IDERA products

INTRODUCTION

The cloud delivers information technology as a service on demand, allowing users to only consume the capacity they need. The cloud is the infrastructure that the services run on. As such, users benefit from the flexibility, economies of scale, and optimized management of resources. However, these offerings still require data professionals 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 Amazon Web Services (AWS) with products from IDERA.

IDERA provides improved response times and troubleshooting information on our hosted systems for SQL Server in the cloud.

Small Business, Computer Software, USA, 15 to 49 SQL Server Databases

Most of IDERA's products run on Amazon Elastic Compute Cloud (EC2) virtual machines, support database instances on Amazon EC2 virtual machines and can map drives to Amazon Simple Storage Service (S3). SQL Safe Backup supports Amazon S3, and several of IDERA's products support Amazon Relational Database Service (RDS) managed databases.

RUN ON AMAZON ELASTIC COMPUTE CLOUD (EC2) VIRTUAL MACHINES

Database Management

- **Monitoring and Performance:** SQL Diagnostic Manager for SQL Server, SQL Inventory Manager, SQL Doctor, SQL Defrag Manager, DB Optimizer, and Precise for Databases run on Amazon EC2 virtual machines for Microsoft Windows. SQL Diagnostic Manager for MySQL runs on Amazon EC2 virtual machines for Microsoft Windows and Linux.

- **Backup and Administration:** SQL Safe Backup, SQL Enterprise Job Manager, SQL Admin Toolset, and DBArtisan run on Amazon EC2 virtual machines for Microsoft Windows.

- **Security and Compliance:** SQL Compliance Manager and SQL Secure run on Amazon EC2 virtual machines for Microsoft Windows.

Database Development

- **Data Modeling and Architecture:** ER/Studio Data Architect, ER/Studio Business Architect, and ER/Studio Enterprise Team Edition run on Amazon EC2 virtual machines for Microsoft Windows.

- **Development:** Rapid SQL and DB Change Manager run on Amazon EC2 virtual machines for Microsoft Windows. Aqua Data Studio runs on cloud virtual machines with Microsoft Windows and Linux.

IT Management

- **Infrastructure Performance:** Uptime Infrastructure Monitor runs on Amazon EC2 virtual machines for Microsoft Windows and Linux.

- **Application Performance:** Precise for Applications runs on Amazon EC2 virtual machines for Microsoft Windows.

SUPPORT DATABASES ON AMAZON ELASTIC COMPUTE CLOUD (EC2) VIRTUAL MACHINES

Database Management

- **Monitoring and Performance:** SQL Diagnostic Manager for SQL Server, SQL Inventory Manager, SQL Doctor, and SQL Defrag Manager support Microsoft SQL Server on Amazon EC2 virtual machines. SQL Diagnostic Manager for MySQL monitors MySQL and MariaDB on Amazon EC2 virtual machines. DB Optimizer supports databases (including Oracle Database, SAP Sybase ASE, IBM DB2, and Microsoft SQL Server) on Amazon EC2 virtual machines. Precise for Databases monitors Oracle Database, SAP Sybase ASE, Microsoft SQL Server, and IBM DB2 on Amazon EC2 virtual machines.

- **Backup and Administration:** SQL Safe Backup, SQL Enterprise Job Manager, and SQL Admin Toolset support Microsoft SQL Server on Amazon EC2 virtual machines. DBArtisan supports Pivotal Greenplum Database, IBM DB2, Microsoft SQL Server, MySQL, Oracle Database, PostgreSQL, and SAP Sybase ASE and IQ on Amazon EC2 virtual machines.

- **Security and Compliance:** SQL Compliance Manager and SQL Secure support Microsoft SQL Server on Amazon EC2 virtual machines.

Database Development

- **Data Modeling and Architecture:** ER/Studio Data Architect and ER/Studio Enterprise Team Edition support databases on Amazon EC2 virtual machines.

- **Development:** Aqua Data Studio supports Amazon EMR, Amazon Redshift, Snowflake, and many other database platforms on Amazon EC2 virtual machines. Aqua Data Studio also supports MySQL and PostgreSQL on Amazon Aurora. Rapid SQL supports Pivotal Greenplum Database, IBM DB2, Microsoft SQL Server, MySQL, Oracle Database, PostgreSQL, and SAP Sybase ASE and IQ on Amazon EC2 virtual machines. DB Change Manager supports Oracle Database, SAP Sybase ASE, IBM DB2, and Microsoft SQL Server on Amazon EC2 virtual machines.

IT Management

- **Infrastructure Performance:** Uptime Infrastructure Monitor monitors Amazon EC2 virtual machines and databases on Amazon EC2 virtual machines.

- **Application Performance:** Precise for Applications monitors SAP, Oracle PeopleSoft, Oracle E-Business Suite, Microsoft .NET Framework, and Java/J2EE Platform on Amazon EC2 virtual machines.

SUPPORT AMAZON RELATIONAL DATABASE SERVICE (RDS) MANAGED DATABASES

- **Database Monitoring and Performance:** SQL Doctor supports Amazon RDS for Microsoft SQL Server. SQL Diagnostic Manager for MySQL monitors Amazon RDS for MySQL and Amazon RDS for MariaDB.

SUPPORT AMAZON SIMPLE STORAGE SERVICE (S3)

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) for Amazon S3. 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, DB Optimizer, and Precise for Databases can access drives mapped to Amazon S3.

- **Backup and Administration:** SQL Enterprise Job Manager, SQL Admin Toolset, and DBArtisan can access drives mapped to Amazon S3. SQL Safe Backup supports Amazon S3, and it can access drives mapped to Amazon S3.

- **Security and Compliance:** SQL Compliance Manager and SQL Secure can access drives mapped to Amazon S3.

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 Amazon S3.

- **Development:** Rapid SQL and DB Change Manager can access drives mapped to Amazon S3.

IT Management

- **Infrastructure Performance:** Uptime Infrastructure Monitor can access drives mapped to Amazon S3.
- **Application Performance:** Precise for Applications can access drives mapped to Amazon S3.