

# IDERA Solutions for the Cloud

The cloud is becoming increasingly important to data professionals and to their management. There are still a lot of database workloads that have not moved to the cloud, but that is changing fast and has become more a question of “when” and not “if.” 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 company’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 datasheet we will discuss a handful of such products and the key use cases they address.

## KEY USE CASES

### DATA MIGRATION TO CLOUD

- Move data to the cloud without impacting application performance
- Determine the best database-specific settings for cloud deployments
- Plan how many schemas and tables the databases have and how big the tables are to migrate
- Verify successful database migration and replication
- Move database environments to/from the cloud (such as testing, development, and archive)

### CLOUD DATABASE PERFORMANCE

- Monitor performance of SQL Server instances hosted on cloud virtual machines, and databases running on Amazon RDS for SQL Server and Microsoft Azure SQL Database
- Set alert thresholds and benchmarks applicable to cloud virtual machines
- Access mapped cloud storage for Amazon S3 and Azure Blob Storage to analyze SQL queries and other performance metrics
- Tune parameters of SQL Server on cloud virtual machines to fit requirements and workloads
- Get expert tuning advice unique to Azure SQL Database and Amazon RDS for SQL Server

### CLOUD DATABASE SECURITY

- Monitor and configure cloud databases to protect against attacks including Azure SQL Database and SQL Server running on Azure Virtual Machines (VMs)
- Identify vulnerabilities and harden security policies across Azure SQL databases
- Understand who has access and identify effective rights across Azure SQL database objects
- Perform security audits on Azure SQL Database instances and Azure Active Directory
- Identify services, ports, protocols, and APIs that may allow Azure SQL databases to be attacked

### CLOUD DATA MODELING

- Support data modeling operations for Microsoft Azure SQL Database and Azure Virtual Machines
- Identify data sources and manage the transformation of data to the cloud
- Forward and reverse engineer SQL Server databases in the cloud
- Perform impact analysis of new policies or projected changes to data models in the cloud
- Effectively share and manage data across on-premise and cloud data models

### CLOUD DATABASE DEVELOPMENT & ANALYTICS

- Develop database code for relational, NoSQL, and cloud DBMS platforms
- Create and run SQL queries against cloud platforms (Amazon Redshift, Google BigQuery, Azure SQL Database) as well as MySQL and PostgreSQL databases connected through Amazon (AWS) Aurora and Google SQL Cloud
- Optimize SQL code to enhance application performance on cloud databases
- Analyze and create visualizations of data from relational, NoSQL, or cloud databases



## SQL Diagnostic Manager

### PERFORMANCE MONITORING, ALERTING AND DIAGNOSTICS

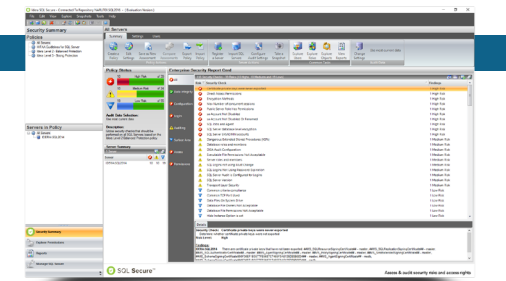
This robust performance monitoring and diagnostics solution proactively alerts administrators to health, performance and availability problems within their SQL Server, Azure SQL Database, and Amazon RDS for SQL Server environments.



## SQL Doctor

### COMPLETE SQL PERFORMANCE TUNING

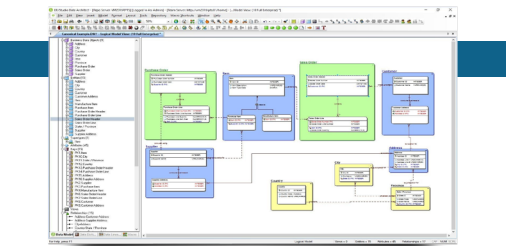
This revolutionary tool analyzes performance data for SQL Server, Azure SQL Database, and Amazon RDS for SQL Server instances and provides ranked recommendations to fix performance issues.



## SQL Secure

### SQL SERVER AND AZURE SECURITY AUDITING

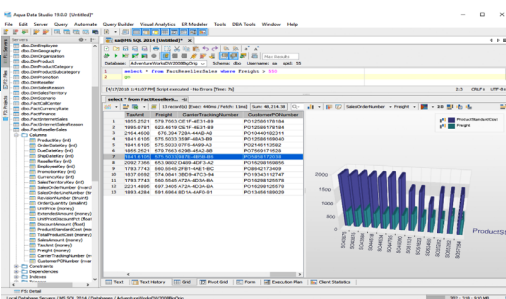
This in-depth security solution collects and analyzes permissions data from SQL Server, Azure SQL Database, Active Directory, and the file system and registry to show who has access to what database objects and how that access is granted.



## ER/Studio Enterprise Team Edition

### ENTERPRISE ARCHITECTURE MODELING AND METADATA

This integrated enterprise data architecture solution combines multi-platform (relational, NoSQL, big data, and cloud) data modeling, business process modeling, and application modeling with a shared repository for metadata and glossary collaboration.



## Aqua Data Studio

### UNIVERSAL IDE FOR RELATIONAL, NOSQL, AND CLOUD DATABASES

This solution lets users develop, access, manage, and visually analyze data for relational, NoSQL, or cloud databases all from one integrated development environment.