

Database Administration Offerings


Effective database design and management is a specialized skillset necessary to implement data systems that accurately and effectively facilitate your business systems and processes. Keller Schroeder offers database administrative services to help clients design, build, and maintain their databases. Our experts will ensure your data platforms are technically current and optimized for both performance and cost.

We offer four managed services, founded in industry best practices, to ensure the reliability, performance, security, scalability, and recovery of your organization's data servers and databases.

INFRASTRUCTURE: INSTALLS, MAINTENANCE, AND ADMINISTRATION*:

Build a foundation for your organization's data assets by installing or administering network databases, database servers, and virtual machine projects on-premises or in Azure. Maintain, upgrade, and patch your data servers, including database servers, primary databases, schema work, and explore the newly trending Azure Serverless Databases.


- Databases New, Rebuild
- Feature Additions
- Storage, Drives, and Best Practices
- Server Patching, Version Upgrade
- Clustering, Always On, High Availability
- PROD, DEV, QA, UAT Environments

 **Hours per week:** Heavily project dependent, we can build a work plan starting at 4 hours per week.

RECOVERY PLANNING, BACKUPS, SECURITY, AUDITING, AND DISASTER RECOVERY*:

To enhance your enterprise's resilience and data security, it is essential to harden your data environment and prepare for production by establishing local and off-site backup schedules, defining direct access and security boundaries, and designing, building, and testing enterprise database recovery models as fundamental components of your enterprise Disaster Recovery plan.

- Authentication Types
- User Roles and Permissions
- Disaster Recovery Planning
- Windows, Active Directory, and Microsoft Entra for Azure
- Recovery Models, Back-Up Planning
- Auditing - PII, PHI, HIPPA, HITRUST, SOC 1/2, PCI

 **Hours per week:** Heavily project dependent, we can build a work plan starting at 6 hours per week.

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DATA DELIVERY, MIGRATION, MONITORING, AND PERFORMANCE*:

Open your data to developers, users, and clients, create production instances, document metadata definitions, and establish a data dictionary for critical data. Analyze data for quality and consistency, develop data transformation rules, design data repositories, and develop data migration and remediation routines to support systems upgrades and analytics initiatives. Additionally, monitor database execution and perform database tuning to optimize performance.

- Database Migrations, Restores
- Index Maintenance
- Monitoring Tools (including Azure DB)
- Database, Table Migration (Import/Export)
- Data Merge Operations
- Data Modeling, Data Warehouse



Hours per week: Heavily project dependent, we can build a work plan starting at 6 hours per week.

DATA REPORTING AND ANALYTICS, DATABASE AUTOMATION*:

Streamline data management by shifting to OLAP systems, enhancing automation, analysis, and reporting. Start consolidating reporting methods to cut support costs, upgrade old applications for improved data access, and convert Excel to RDBMS and dashboards for efficiency. Implement interactive dashboards for all staff levels to boost performance management. Also, build a data warehouse for detailed historical insights and trend analysis, offering a clearer picture of long-term business performance.

- Data Strategy
- API's, Pipelines, Azure Data Factory
- SQL Agent Jobs, Automations
- Linked Servers
- SSIS Catalog, Automation
- Reporting
- Dashboards, Business Intelligence
- Other Automation and Analytics Tasks

NOTE: Keller Schroeder deploys high performance architecture, automation, integration, and visualization applications. We are also prepared to integrate with your existing systems. Our data teams are currently solution providers for:

- **ARCHITECTURE** – Microsoft SQL Server, Oracle Server, ERWIN Data Modeling Tools
- **AUTOMATION** – TIBCO, Azure Data Factory, SQL Server Integration Services, SQL Server Analysis Services
- **INTEGRATION** – TIBCO, Azure Data Factory, SQL Server Integration Services, SQL Server Reporting Services
- **VISUALIZATION** – PowerBI, TIBCO Spotfire, Tableau, Excel



Hours per week: Heavily project dependent, we can build a work plan starting at 6 hours per week.

*Staff Augmentation:

Our consultants can supplement your staff or serve on project teams to meet workload and schedule demands. A brief project survey conversation can provide a customized staff augmentation solution ready to guarantee progress with your data process needs.



Hours per week: Heavily project dependent, we can build a work plan starting at 6 hours per week.

**Ready to unlock the power of database administration for your business?
Email datastrategy@kellerschroeder.com to connect with our team.**

manage data. do science. get better

