

# Build an intelligent database foundation

Dell EMC, Red Hat, and Microsoft SQL Server offer a robust database platform based on leading technologies.

## Deploy a leading solution

- A leading database platform:  
[Microsoft SQL Server](#)
- A leading Linux operating system:  
[Red Hat® Enterprise Linux®](#)
- A leading hardware foundation:  
[Dell EMC PowerEdge servers](#)

In partnership with:



## Data is at the core of modern business operations

Modern businesses need a solid data platform to quickly process large volumes of data and meet growing operational and analytical workloads. Running Microsoft SQL Server on Red Hat Enterprise Linux and Dell EMC PowerEdge servers offers businesses additional flexibility, superior performance, enhanced security, and ultra-high availability. This combination provides a scalable foundation with consistent experiences across environments.

## Co-engineered capabilities

Whether you are building a new application or migrating your existing infrastructure, choosing the right data platform is critical. Rigorously tested for stability and performance, Red Hat Enterprise Linux is certified to run on Dell EMC PowerEdge rack, tower, blade, and C-Series servers, delivering a consistent application and user experience across platforms. Microsoft SQL Server is certified to run reliably and with high performance on both Red Hat Enterprise Linux and Dell Technologies hardware, providing many capabilities for enterprises.

## Flexible deployment

Deploy quickly and easily with streamlined, all-in-one procurement and expert assessment, set-up, and optimization services. Developers can rapidly install SQL Server and get started within minutes. The mssql-server package in Red Hat Enterprise Linux provides everything you need to get up and running.

## High performance

Speed data access and results with an optimized platform that delivers exceptional computational scalability, application performance, and database throughput.

## Enhanced security and incident response

Microsoft SQL Server is consistently rated one of the most secure Relational Database Management Systems (RDBMS) by the National Institute of Standards and Technology (NIST).<sup>1</sup> Access all SQL Server security features within Red Hat Enterprise Linux. Further protect your business with a deep layer of defense built into Dell EMC hardware.

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<sup>1</sup> Microsoft, "Microsoft's SQL Platform continues to lead the market with advanced data security." February 10, 2017. <https://cloudblogs.microsoft.com/sqlserver/2017/02/10/microsofts-sql-platform-continues-to-lead-the-market-with-advanced-data-security>.

## 24/7 availability and disaster recovery

Gain business-critical uptime, fast failover, and improved manageability with the Red Hat Enterprise Linux High-Availability Add-On, SQL Server availability features, and reliable Dell EMC PowerEdge servers. Quickly recover from unexpected failures using backup tools.

## Consistent hybrid cloud experience

Deploy Microsoft SQL Server on site, in a virtual machine, or in the cloud without worrying about consistency. Dell EMC PowerEdge servers and Red Hat Enterprise Linux deliver the same security, stability, reliability, and manageability across hybrid environments.

## Globally available support and community

Gain complete life-cycle support and streamline issue resolution for critical applications with a cooperative support model. You can also access an extensive community of leading partners, customers, and experts for guidance, best practices, and information.

## Benefits across your organization

Running Microsoft SQL Server on Red Hat Enterprise Linux and Dell EMC PowerEdge servers delivers benefits for multiple roles across your organization.

### Benefits for database developers and administrators

- **Full set of features.** SQL Server on Linux runs essentially the same code as SQL Server on Windows, allowing developers and database administrators access to continue using familiar Windows-based tools and features. Key SQL Server operational and T-SQL features are available on Red Hat Enterprise Linux.
- **Same tools, new environments.** A native installer and command-line tools let you rapidly start building applications on Red Hat Enterprise Linux and Dell EMC PowerEdge servers. You can also run Microsoft Azure Data Studio and connect to a variety of third-party ecosystem tools using the Linux Open Database Connectivity (ODBC) driver.

### Benefits for IT operations teams

- **Faster, more intelligent insights.** Predictive operating system analytics let you quickly identify and remediate threats to availability, security, stability, and performance. SQL Server-specific rules help you optimize and reduce risk in your database deployment. Dell EMC system management solutions provide visibility into key aspects of your infrastructure, including system health and compliance.
- **High availability.** The Red Hat Enterprise Linux High-Availability Add-On offers clustering and resource management. Deploy applications with 24x7 availability through automated database failover operations for SQL Server availability groups and failover cluster instances (FCI).
- **Consistent hybrid experience.** Seamless deployment and management experiences across on-site, virtualized, and cloud environments allows you to place applications and workloads where it makes the most sense, knowing they will operate reliably.

## Learn More

Data is critical for modern business operations. Deliver a consistent database experience with integrated Dell Technologies, Red Hat, and Microsoft SQL Server solutions that deliver co-engineered benefits.

Learn more about Dell Technologies, Red Hat, and Microsoft solutions at [DellTechnologies.com/SQL](https://DellTechnologies.com/SQL) and [Red.HT/Microsoft-SQL-Server](https://Red.HT/Microsoft-SQL-Server).