

# 5 REASONS to Run MS SQL Server on Nutanix

## FUN FACTS

In 2016, **90% of the world's data** was created over the previous two years. By 2025, IDC predicts the world will be creating **163 zettabytes of data** a year!



What if there was an easy way to rein in this database explosion, where you could **manage your entire database** estate under a single management plane with **one-click operations**?

What if you could **virtualize** your SQL Server databases and **save** on costly **data-base licenses**?



## HERE ARE THE TOP FIVE REASONS TO CHOOSE NUTANIX FOR SQL SERVER

### 1. SIMPLIFY SQL SERVER DATABASE OPERATIONS WITH NUTANIX ERA

**“Database-as-a-Service offers the promise of making database management simpler by providing a common control plane that automates the housekeeping tasks of provisioning, snapshot replication, high availability and failover, patching, and upgrading.”**

DBInsights – Turn Your Database into a Service, White Paper



**Simplify the complexity** of SQL Server deployments with a 90% **reduction** in deployment steps with Nutanix Era.

**“Era has become a self-service platform for us, which removed dependency on other teams to provide a database server. We are now able to quickly provision a new database on an existing SQL Server or provision a new server with new databases in a matter of a few minutes. Tasks that could take hours before being reduced to a matter of minutes.”**

Simon Hoggart, IT Manager, Semlex

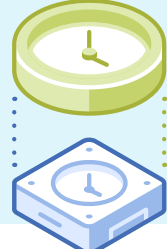
### 2. SCALE AND PERFORM ACCORDING TO BUSINESS NEEDS

**“One unexpected benefit of the Nutanix migration has been a huge 5-fold improvement in SQL Server performance.”**

Gyldendal Customer Case Study

When deploying SQL Server on the Nutanix platform, you can keep up with your business demand by taking advantage of the **web scalability** to scale up and out **without forklift upgrades** or affecting performance.

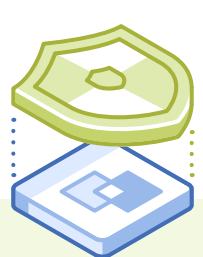
ESG analyzed the Nutanix database solution which had **consistent performance scaling** as the concurrent database instances increased from 1 – 4. All this while transaction per second remained high and latency averaged **as low as 1 ms**.



**“The Nutanix database solution improved SQL Server transaction processing by 146% and succeeded in reducing response time by 61%.”**

ESG Technical Validation for Nutanix Era

### 3. SAFEGUARD YOUR MOST VALUABLE ASSET



**Data is a company's most valuable asset**, which is why databases are one of the top targets for attacks and breaches. With Nutanix, **security is integrated and applied across the entire platform**. No more siloed security practices that are applied piecemeal across compute, storage, networking, and virtualization environments which can cause gaps and inconsistency leading to vulnerability and attacks. The system can **identify and pro-actively heal itself** before these gaps and inconsistencies become major problems, disrupting the business flow. In addition, Nutanix Era enables quick identification of vulnerable SQL Servers and deployment of patches fleetwide, while reducing or eliminating patching downtime.

### 4. INCREASE OPERATIONAL EFFICIENCY WHILE SAVING MONEY ON LICENSING COSTS

**“By moving to Nutanix, we were able to realize a 10x reduction in aggregated capital costs.”**

Vin VanBrocklin, IT Manager, Valpak



Many organizations also suffer from **database sprawl**—numerous requests from multiple users for database instances that can run into the thousands. This results in an administrative nightmare for DBAs. The physical **cost of unused storage** allocated to hundreds of database instances quickly becomes **very costly**.

Continue to **save on license costs** with the **flexibility** of mixing SQL Server workloads without needing to segment the environment, allowing you to run an **unlimited** number of SQL Server workload instances **on a single VM**.

### 5. IMPROVE PRODUCTIVITY AND BUSINESS RESULTS



Nutanix **efficiencies in storage** can provide a 91% **decrease** in SQL Server copy data storage and reduce the time it takes to **clone production databases from hours to minutes**.

You can now **manage the entire database** estate under one console and **save up to 6x** in storage costs. Spin up database instances in minutes by cloning databases that use zero bytes to save on storage.

**“With Nutanix Era, we're able to make a clone of the environment and attach the clone to another server, allowing us to create a data lab environment for developers. When we finished with the end product, it was less than a terabyte of space. So huge savings, space-wise for the business.”**

Tilden Conatser, Sr. Infrastructure Architect, Optum



Become a **data superhero** by accelerating business performance, and delivering modern, **cloud-ready data-base services** in a consumer-grade fashion that enables users to have their databases available in minutes. Learn more about **Nutanix Solutions for Databases [here](#)**.