



## Executive summary

# Keep your data safe by moving from unsupported SQL Server 2008 to SQL Server 2019 on Lenovo ThinkSystem SR630 servers, powered by Intel Xeon Scalable processors

We found that the migration process was easy and performance improved on the new platform

Microsoft recently ended extended support for SQL Server 2008 and 2008 R2. They will provide no more technical assistance and no more security updates. Data is often a company's most valuable resource. If your business has been putting off migrating from one of these versions, your data could be exposed to future exploits or vulnerabilities. To protect your data, you must move to new versions.

Happily, the process can be simple. In the Principled Technologies data center, we migrated a database from a legacy server running these obsolete versions to a Lenovo® ThinkSystem™ SR630 running Windows Server 2019 and SQL Server 2019. Using the Microsoft Data Migration Assistant, the process required less than five minutes of hands-on time. We also measured online analytical processing (OLAP) performance on both platforms and saw it improve dramatically after migration.



Avoid the worries of using unsupported software



Migrate with little hands-on time  
Less than 5 minutes and only 19 steps



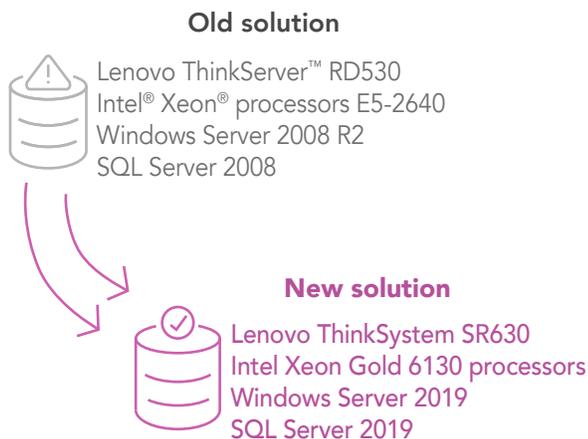
Improve performance  
34x times greater online analytical processing

## The bad news: Using outdated software can put your business at risk

Migrating databases to new software versions is a task that many SMBs put off as long as possible. If your infrastructure is running smoothly and you don't have a dedicated IT team, making a change could feel risky. However, continuing to trust your valuable business data to outdated software can create its own dangers. Companies that continue to run Microsoft SQL Server 2008, for which support and security updates ended in July 2019, expose themselves to security breaches and downtime that could jeopardize their business.

## The good news: It's easy to migrate

We used Microsoft Data Migration Assistant to complete a 1TB database migration from a legacy solution to a new one:



We found that migration using the wizard-based Data Migration Assistant was easy, with the pre-migration assessment and migration together requiring less than 5 minutes of hands-on administrator time and only 19 steps.

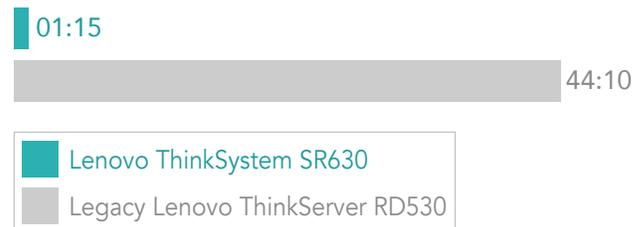


Improved security isn't the only advantage of migrating to the SQL Server 2019 on the latest Lenovo ThinkSystem SR630 powered by Intel

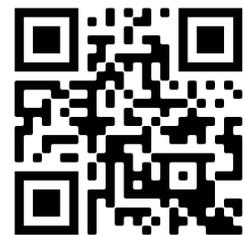
Xeon Scalable processors. We also saw a dramatic improvement in database performance that reduced the time to process a query set by over 42 hours.



Time to complete the workload (hours:minutes)  
Lower is better



To learn more about migrating and the benefits of getting your infrastructure up to date, read our complete study.



Read the report at <http://facts.pt/dtcqvm1>



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