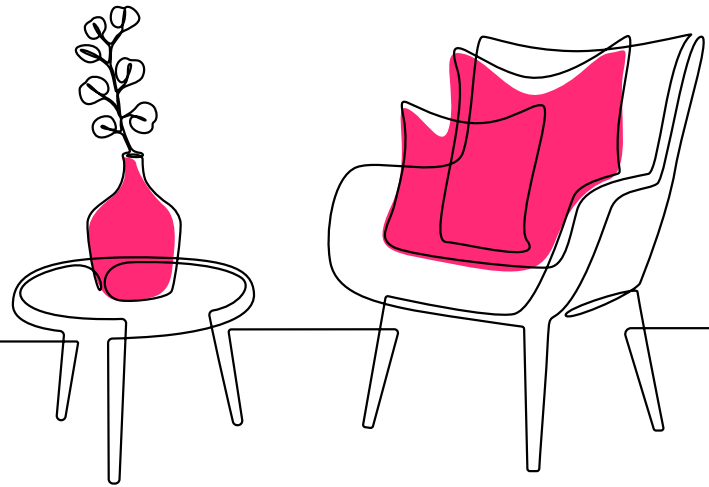# Online Retailer Sees Faster Than On-Prem Performance for Microsoft SQL Server on Google Cloud with Silk

To make a long story short:

Who are they?

A furniture and home goods ecommerce company

What did they need?

To meet a company mandate to move out of on-prem datacenters and into the cloud while still getting fast performance on Google Cloud for Microsoft SQL Server workloads.

How did Silk help?

Silk supercharged their SQL Server databases with faster performance than they even saw on-prem.

What were the results?

- 0.2ms faster speeds than previous on-prem solution
- 3.2GB/s throughput per SQL host (4 hosts per Silk data pod)

Company Overview

The customer is a furniture and home good ecommerce company.

Business Challenges

The company had a corporate objective to get all its data out of on-premises datacenters with a strict deadline to make this happen. The team had moved its 40 Microsoft SQL Server hosts to Google Cloud, but they kept hitting throughput limitations. With the deadline bearing down on them, the team knew they didn't have time to refactor their SQL databases and needed a way to get faster performance on the Google Cloud as quickly as possible.

Introducing the Silk Cloud Platform

To help give the customer a performance boost, the Google Cloud brought in its partner, Silk. The Silk Cloud DB Virtualization Platform sits between customers' workloads and the cloud and delivers up to 10x faster performance without changing a thing about the underlying applications or infrastructure. Silk does this using rich enterprise data services – such as data replication, zero-footprint clones, and deduplication. With always-on availability and unbreakable data resiliency, Silk is the ideal solution for customers who are looking to move their most mission-critical data to the cloud and other cloud infrastructure.

Google Cloud

The Results

0.2ms faster than the company's previous on-prem solution, the results from the test drive of Silk were so dramatic that the customer immediately pushed the platform into production. Not only that, Silk offered 3.2GB/s throughput per SQL host (with up to 4 SQL hosts living on each Silk data pod). Not only were all performance limitations on the Google Cloud eliminated with Silk, but the customer was also able to make their cloud resources more cost efficient: Silk's data services offered the company 3:1 data reduction allowing them to make the most of their current cloud resources.

The company plans to continue to migrate more of its Microsoft SQL Server workloads to Silk on the Google Cloud over the coming months with the confidence that they will be able to meet the company deadline for migrating completely to the cloud.

Ready to start seeing faster performance for your SQL Server workloads on the cloud?

Visit silk.us to learn more.

About Silk

The Silk Cloud DB Virtualization Platform gives demanding workloads 10x faster performance on the cloud compared to native cloud alone. It is a virtualization layer that sits between the underlying cloud infrastructure and customers' workloads. Without refactoring, workloads such as Oracle, Microsoft SQL Server, and industry-specific applications can move onto the GCP and Azure cloud while massively improving user experience. Industry leaders in e-commerce, software publishing, FinTech, and healthcare trust Silk with their mission-critical workloads to get the ultra-fast speeds their customers demand. Silk is headquartered in Needham, MA.

To learn more, visit silk.us.