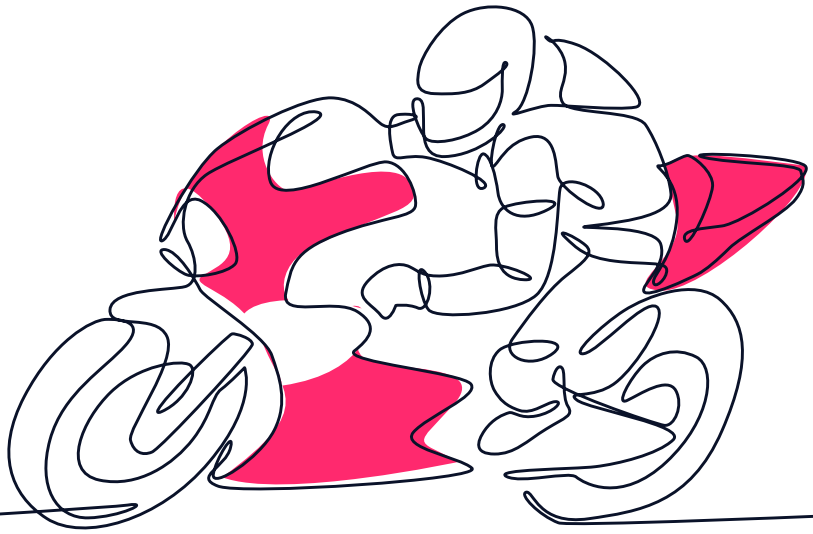
Solution Brief

Accelerating Performance of IBM Maximo on Azure with Silk



Many energy and utility companies are looking to completely transform the way they operate. This includes being more efficient, increasing reliability, and improving sustainability. IBM Maximo is a suite of applications that use AI and IoT capabilities that enable these organizations to achieve these goals. To further improve flexibility and efficiency, organizations may look to migrating Maximo to the Microsoft Azure cloud.

However, moving Maximo to the cloud comes with its own challenges. The Maximo suite typically makes use of a relational database as its central data repository, with the most commonly used products being IBM DB2, Oracle Database and Microsoft SQL Server. These databases therefore become mission critical and complex, so users may find it time-consuming and costly to actually get Maximo to Azure. Furthermore, Maximo is known to require high levels of performance in order to make AI and IoT-enabled insights achievable in a timely manner. These performance requirements can be hard to achieve on cloud native technologies.

The Silk Cloud DB Virtualization Platform is software which is available through the Microsoft Azure Marketplace. Silk resides in your Azure Instance. In this one-pager we will examine how Silk + Azure provide the needed performance, efficiency and resiliency needed to run IBM Maximo in the cloud.

Performance for Data-Intensive Maximo Workloads

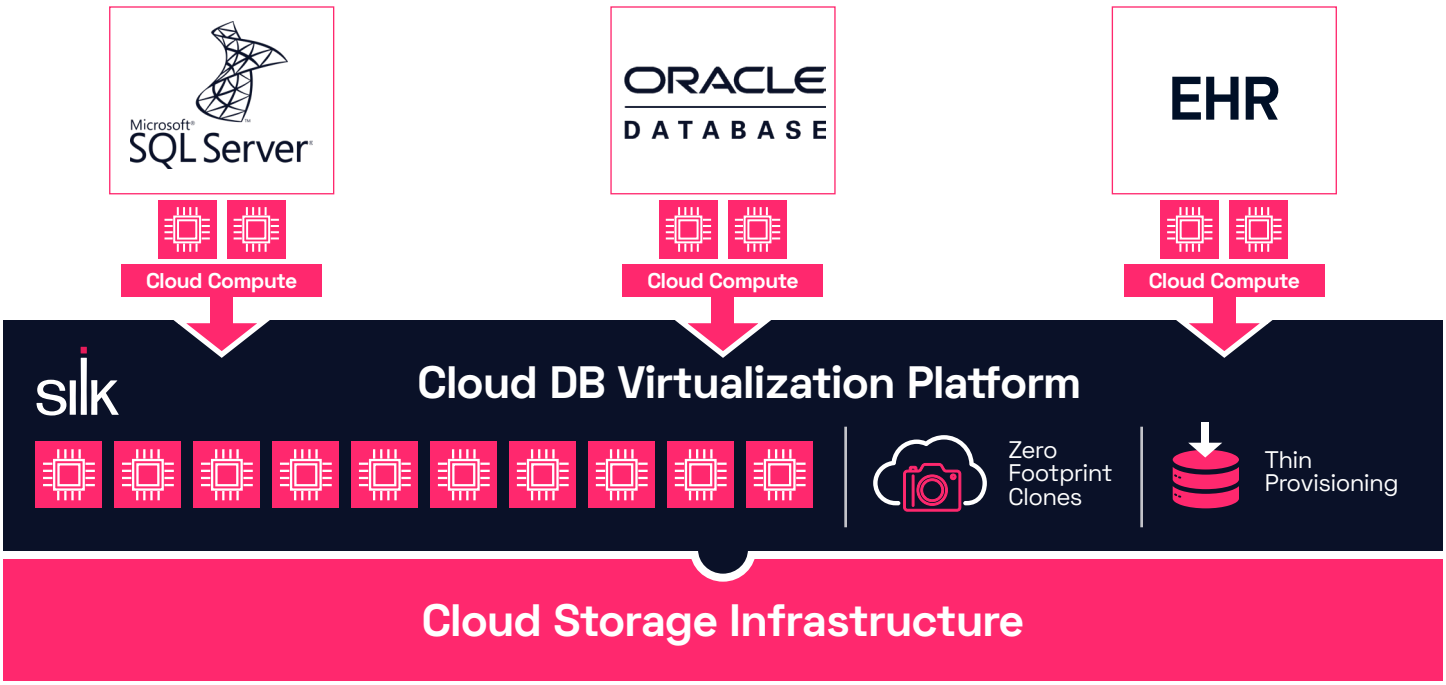
Silk + Azure offers Maximo users the fastest cloud experience they can achieve, rivalling the speeds they had previously experienced on-prem. Silk + Azure gives Maximo the low latency (to read/write data as quickly as possible) and high throughput (to move that data along as quickly as possible) that it requires. This ultra-fast experience makes it possible for the application to quickly access and analyze data in order to provide the best insights.

With Silk, you can dynamically scale performance automatically as workloads change so that you never find it lagging. Silk offers proven performance of over 1 million IOPS, 20 GB/s throughput with consistent sub-millisecond latency.

Continue Getting On-Prem Data Services on Azure

Silk offers rich enterprise data services to help you get the most out of your current Azure resources. These data services include instantaneous zero-footprint snapshots that allow you to make copies of data quickly -- with no dependencies on the number or size of data being copied -- and with no impact on performance or the number of Azure resources being used. These snapshots can then be made available in different zones, regions, or even clouds.

In addition, since Maximo is often integrated with proprietary, license-based databases such as DB2, Oracle Database and Microsoft SQL Server, Silk also helps keep those database licensing costs to a minimum. Inline data reduction technology compresses and deduplicates data while offloading other operations to the data layer, alleviating requirements for more compute resources on database servers and the corresponding database licenses.



Resiliency for Fast Decision-Making

Maximo's mobile asset management makes it possible for technicians to complete maintenance tasks safely and more productively. Ensuring that there is no lag or downtime due to outages is of the utmost importance. Silk provides Maximo users an additional layer of resiliency on top of Azure's with its no-single-point-of-failure architecture and full availability across zones and regions.

Discover how Silk can give your IBM Maximo workloads in the cloud the boost in performance that they need with greater resiliency at a lower cost.

Silk is Now Available on the Azure Marketplace.

About Silk

The Silk Cloud DB Virtualization Platform gives demanding workloads 10x faster performance on the cloud compared to native cloud alone. The Silk Cloud Platform 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 and massively improve 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 customer's demand. Silk is headquartered in Needham, MA.

To learn more, visit silk.us.