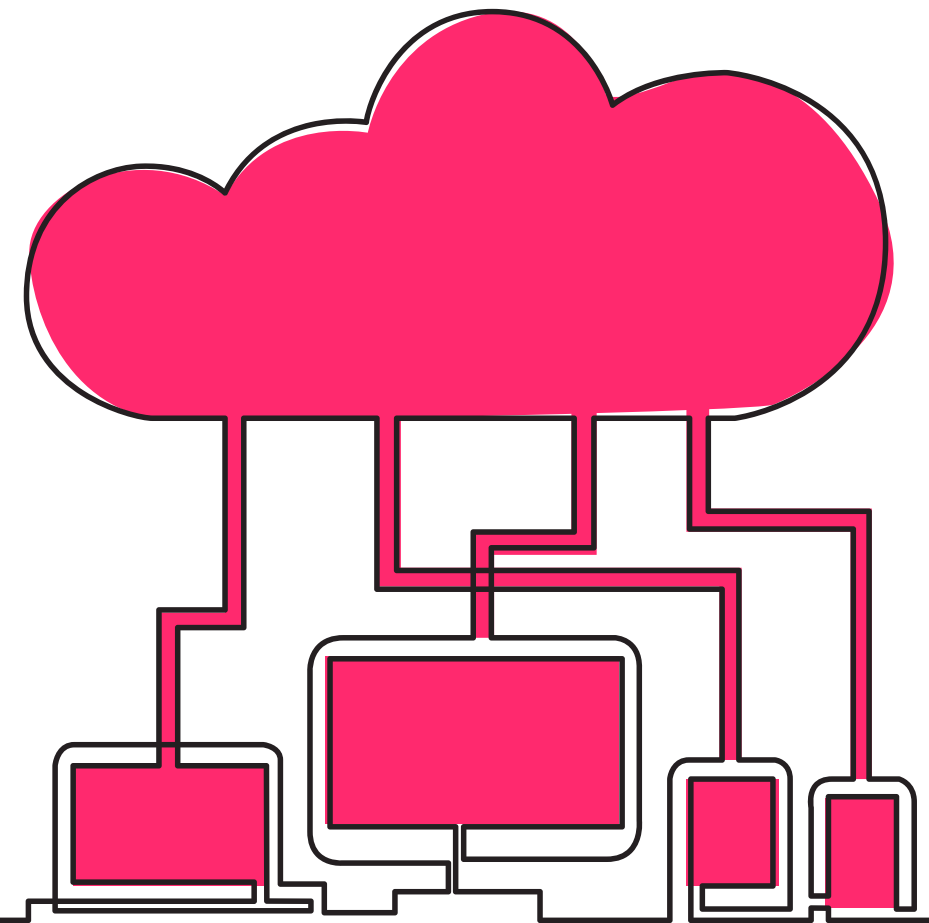




Leveraging AI:

How Leading Organizations
Achieve Success with Silk
and Microsoft



Introduction

Artificial Intelligence (AI) is transforming industries by enabling smarter decision-making, improved efficiency, and innovative solutions. However, achieving the full potential of AI requires overcoming challenges such as data latency, performance bottlenecks, and security risks. Silk's high-performance cloud platform, in partnership with Microsoft, provides a robust foundation for AI workloads, ensuring scalability, security, and real-time data access.

This guide highlights how organizations like PTC, Sentara Healthcare, and Franciscan Health are leveraging AI to address their unique challenges and drive transformative outcomes, with Silk as the enabling technology.

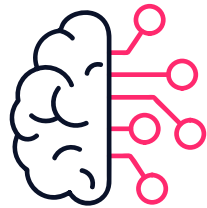


Use Case 1:

PTC - Revolutionizing Engineering with AI

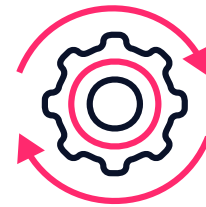
Industry: Engineering and Product Lifecycle Management

Challenge: PTC needed to integrate real-time data for AI applications while ensuring the security of sensitive intellectual property. Their workflows required a scalable and reliable infrastructure to support AI-driven innovations.



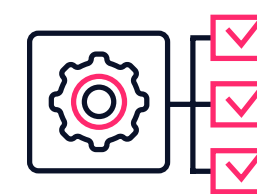
How PTC Uses AI:

- Deploys AI to optimize complex engineering workflows, including product design and lifecycle management.
- Leverages intelligent applications for real-time insights and decision-making.



Silk's Role:

- **Real-Time Data Access:** Enables seamless integration of production data into AI workflows without performance degradation.
- **Enhanced Security:** Enables the usage of zero-trust data enclaves to safeguard proprietary information.
- **Scalability:** Supports non-deterministic workloads, ensuring consistent performance across multiple customers.



Results:

- Accelerated development of AI-driven tools.
- Improved efficiency in engineering processes, reducing time-to-market.
- Secure handling of sensitive data in multi-tenant environments.



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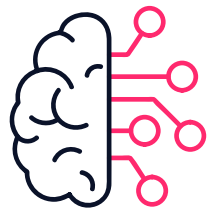
Use Case 2:

Sentara Healthcare - Enhancing Patient Care with AI



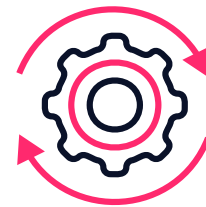
Industry: Healthcare

Challenge: Sentara Healthcare needed real-time access to critical healthcare data for AI-driven decision-making while maintaining compliance with stringent data security regulations.



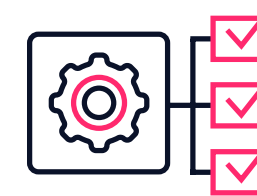
How Sentara Uses AI:

- Implements AI for faster diagnosis, personalized treatment plans, and operational efficiency.
- Utilizes AI-driven analytics to enhance patient care and improve resource allocation.



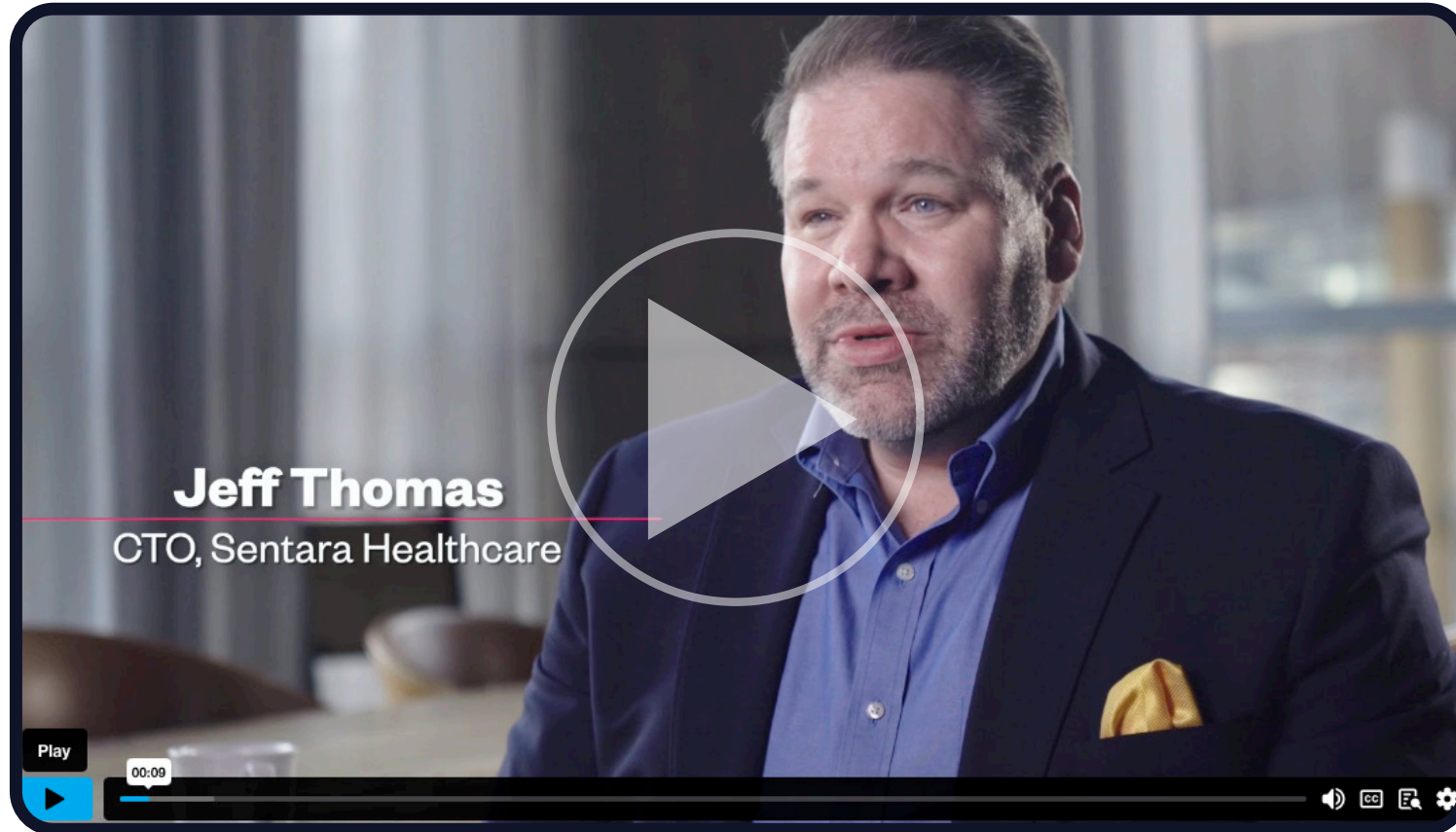
Silk's Role:

- **Zero-Latency Data Integration:** Provides instant access to production data, enabling rapid AI insights.
- **Data Security:** Ensures compliance with healthcare regulations through secure data enclaves and masking.
- **Resilience and Scalability:** Handles increased workloads during peak demand periods, such as the COVID-19 pandemic.



Results:

- Improved patient outcomes through timely and accurate AI insights.
- Enhanced compliance and data governance.
- Scaled AI applications to meet growing organizational demands.



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Hear Sentara's story
firsthand from CTO,
Jeff Thomas.

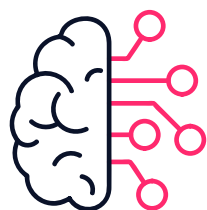
Use Case 3:

Franciscan Health - Optimizing Rural Healthcare with AI



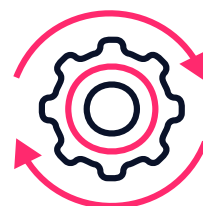
Industry: Healthcare

Challenge: Franciscan Health faced challenges in delivering efficient patient care across rural regions due to data latency and provider shortages.



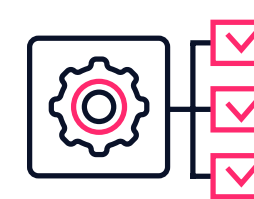
How Franciscan Uses AI:

- Employs AI for remote patient monitoring, predictive analytics, and administrative automation.
- Enhances rural healthcare access with AI-driven insights and virtual care solutions.



Silk's Role:

- **Real-Time Data Velocity:** Eliminates latency, ensuring near-instant access to production data for AI applications.
- **Cybersecurity:** Protects sensitive patient data with robust governance and by enabling secure enclaves.
- **Improved Accessibility:** Facilitates integration of AI tools into rural healthcare settings.



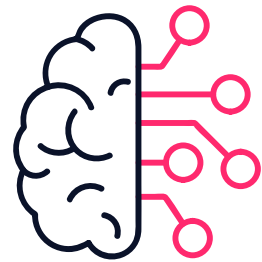
Results:

- Faster insights for improved patient care in underserved areas.
- Reduced provider burnout through automation of repetitive tasks.
- Confidence in data security, fostering innovation in healthcare delivery.

Key Benefits of Silk for AI Workloads

Silk’s high-performance AI cloud storage platform seamlessly integrates into enterprise AI architectures, enhancing performance while simplifying control and security. The platform’s elastic infrastructure supports scalability, adapting to growing workloads and enabling AI at scale. By optimizing Dev/Test and production environments, Silk accelerates AI and GenAI processes, keeping data within trusted environments. It reduces the complexity of integration and minimizes data risks, making innovation efficient, reliable, and secure.

Get Started on Leveraging AI:



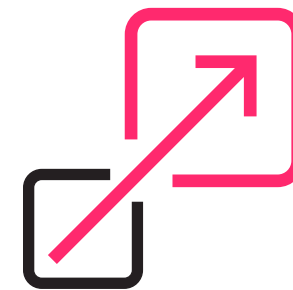
Adopt Real-Time Data Strategies:

Ensure AI tools have immediate access to production data.



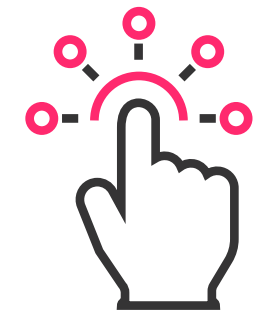
Prioritize Data Security:

Implement zero-trust models to safeguard sensitive information.



Embrace Scalability:

Leverage the elastic infrastructure that tools like Silk offer to future-proof AI solutions.



Partner with Proven Technologies:

Combine trusted tools like Silk and Microsoft for seamless integration and maximum impact.

Conclusion

Ready to dive deeper into how organizations like PTC, Sentara Healthcare, and Franciscan Health are transforming their industries with AI? Watch the replay of our exclusive webinar roundtable, where industry leaders share real-world insights on leveraging AI with Silk and Microsoft. Discover strategies to overcome data latency, enhance scalability, and secure sensitive information while achieving groundbreaking results. Don't miss the chance to gain actionable takeaways for your own AI journey.

**Watch the
Webinar Replay
Now**

