



OAKWOOD

Powering Transformation. *Together.*

HPC ON AZURE

Azure, Microsoft's cloud computing platform, offers a comprehensive suite of services tailored for high-performance computing (HPC) applications. These services empower businesses, researchers, and developers to run compute-intensive workloads on-demand, without the overhead of managing physical infrastructure.

With Azure's HPC services, enterprises can harness the power of high-performance computing in a flexible, scalable, and secure environment. Whether it's for research, simulations, data analysis, or any other compute-intensive task, Azure has the right tools and infrastructure to drive innovation and results.

ABOUT

Oakwood Systems Group, Inc. stands at the forefront of High-Performance Computing (HPC) on Azure, committed to powering transformative computational solutions that drive the next wave of innovation. Over the years, our deep-rooted expertise in Azure's infrastructure has positioned us as the go-to authority for businesses seeking to harness the full spectrum of HPC capabilities available on the Azure platform.

Our seasoned team of professionals brings together a unique blend of technical prowess, industry insights, and a genuine passion for pushing the boundaries of what's possible with Azure HPC. This allows us to craft solutions tailored to the specific needs of each enterprise, ensuring optimized performance, scalability, and cost efficiency.

Beyond mere implementation, we pride ourselves on offering a holistic HPC approach. From meticulous planning and strategy development to seamless deployment, and from rigorous optimization to continuous post-implementation support, our end-to-end services ensure that our clients' HPC endeavors are always aligned with industry best practices and poised for success.

HPC ON AZURE: *BRIEFING*

OAKWOOD HPC ENGAGEMENT

DELIVERABLES

- Briefing Document & Executive Summary
- Presentation Slides
- Cost Analysis
- Technical Architecture Diagrams
- Security & Compliance Checklist
- Client-Specific Recommendations
- Implementation Best Practices Guide
- Support & Training Materials
- Follow-up Meeting Schedule & Agenda



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Oakwood's HPC on Azure Briefing engagement is designed to streamline the adoption and optimization of Azure HPC solutions. Tailored to each organization's unique needs, this briefing provides a roadmap that aligns with specific operational goals and challenges, making the implementation of HPC a strategic fit. Moreover, it aids in efficient resource utilization, ensuring that companies can achieve top-tier performance and scalability without superfluous costs.

WHAT TO EXPECT:

- Introduction to Azure HPC: Definition & Benefits
- HPC Infrastructure Components: VMs, Azure Batch, CycleCloud, and Blob Storage
- Networking: VNet, ExpressRoute, and Accelerated Networking
- Data & Storage Solutions: NetApp Files, Managed Lustre + HSM
- Integration: Azure compatibility with HPC software
- Security & Compliance: IAM, Azure Security Center, and Azure Compliance Standards
- Cost Management: Azure Cost Management & Billing
- Next Steps & Recommendations



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