Amazing happens when you harness advanced computing to accelerate and optimize processes.

What is the Advanced Computing Practice?

CDW's Hybrid Infrastructure Advanced Computing Practice helps design solutions for customers looking to solve business problems with specialized infrastructure, such as accelerated computing and high-performance storage.

Why Advanced Computing?

Organizations seeking to remain competitive and better serve their constituents are doing everything they can to innovate faster, "wrangle" their enterprise data, extract critical insights and transform end-user experience.

Understanding the complex infrastructure and software components that glue data from inception to insight or underpin Generative AI can be tricky – CDW's Advanced Computing Practice is responsible for helping align AI use-cases to a business outcome as well as demystify and design infrastructure solutions for the following workloads:

- AI and ML training and inference
- High-performance computing
- Research Grids
- Edge AI

What is CDW Doing?

- **Extensive Expertise:** We have a team of highly technical field-facing resources with extensive AI/ML expertise and CDW experience.
- **AI/ML Technology Analysis:** Due to the fast pace of change in the AI technology sector, the advanced compute team dedicates significant time to evaluating current and emerging technologies, including ISVs and OEM partner solutions.
- **Tech Eval, Demos, POCs:** The Advanced Compute team can help customers determine what works best for their environment through AI/ML model performance benchmarking and burn-in of certain AI hardware and software components, LLM demos and RAG on-premises POCs.
- **Holistic Solutions and Custom Designs:** Our experts can architect holistic AI and HPC solutions and deliver application/domain specific designs.
- **Navigating a complex AI landscape:** Assist in identifying what types of use cases to consider for fastest proof of value or ROI, including design considerations across all phases of the model life cycle from data prep, to training, as well as inference.
- **Future Proof IT Investments:** Ensure your AI infrastructure is scalable and adaptable to future advancements. Our team will help you maximize your investment by designing a robust and flexible infrastructure that can evolve with the rapidly changing AI landscape.
- **Business Outcome Focused Solutions:** Tailored to your specific goals and challenges, our solutions are designed to deliver measurable business outcomes. We demonstrate how our AI solutions can enhance your environment, drive efficiency, and provide a clear return on investment.
- **AI Factory Design Services:** From facilities to AI frameworks, CDW's Advanced Computing team can design your cutting edge "AI Factory" with hardware acceleration and AI/ML tooling in mind.

NVIDIA.

CDW

Technical Solutions

Deliver technical solutions based on customer requirements and outcomes, including:

- Artificial Intelligence
- Machine/Deep Learning
- High Performance Computing
- Accelerated Computing (e.g., GPU)
- Parallel File Systems
- Low-latency Ethernet | InfiniBand

Technical Expertise

Provide deep technical expertise around AI/ML solutions and services, including:

- NVIDIA Computing, Systems and Software
- AI/HPC Workload Schedules
- Storage and Network Considerations for AI workloads
- AI as Factory design and sizing
- MLOps and Model Serving Platforms
- Industry/Vertical Use Cases

Advancing Computing Practice SMEs

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