



HPC & AI Converged System

QCT Platform on Demand (QCT POD)

Adaptive Workload-driven System Designed to Power Your Business

As modern application scenarios grow increasingly diverse, enterprise data center operators face significant challenges in meeting intensive high-performance computing (HPC) and artificial intelligence (AI) workload needs with traditional IT infrastructures.

QCT leverages its expertise to deliver QCT Platform on Demand (QCT POD), an integrated, heterogeneous solution optimized for both AI and HPC workloads. QCT POD seamlessly supports bare-metal and cloud-native environments, providing architectures that enhance flexibility and performance. In addition, it incorporates comprehensive tools and mechanisms to streamline cluster deployment and management processes.

By integrating efficiency with performance, QCT POD enables businesses to adeptly scale their infrastructure and drive transformative growth in AI and HPC applications.

HPC & AI Convergence

Supports both HPC and AI environments and offers toolkits to simplify system management and software development.

Workload-Driven

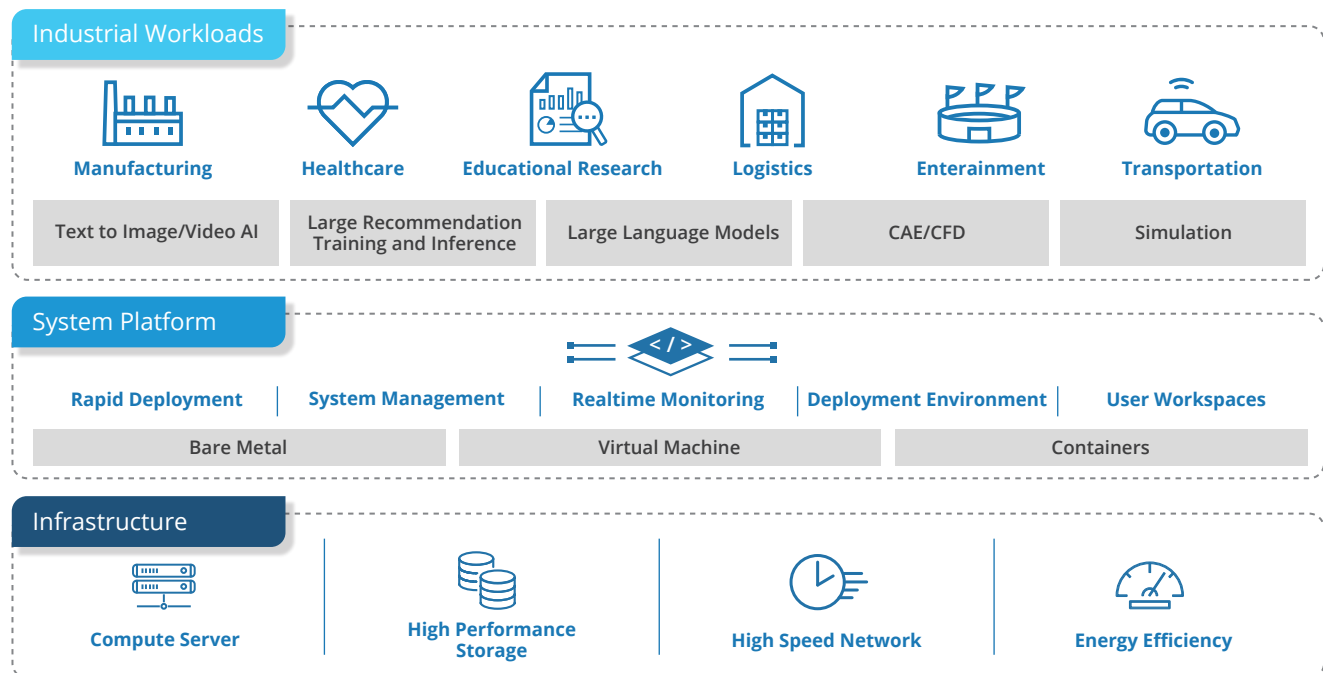
Adaptive infrastructure tailored to meet specific workload requirements with cost optimization and enhanced resource utilization.

Infrastructure Capabilities

Comprehensive hardware portfolio seamlessly integrated with high-quality software.

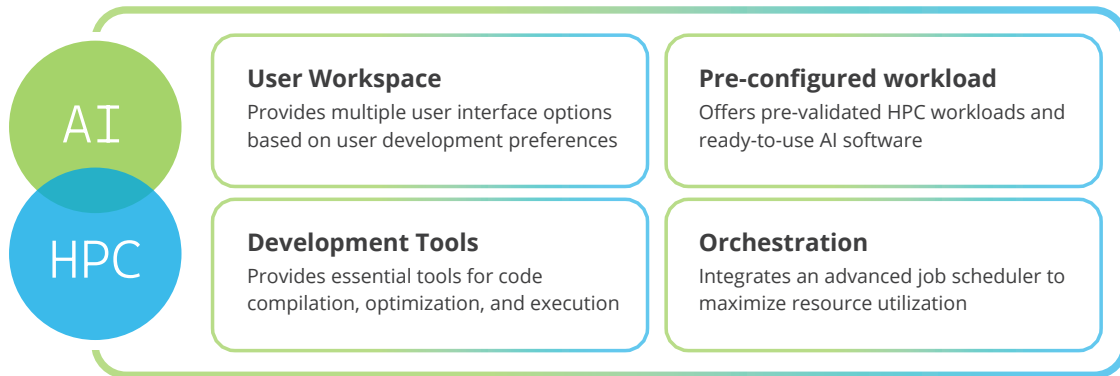
QCT POD Optimizes Infrastructure for Industrial Workloads

By integrating advanced QCT server systems accelerated by NVIDIA® with comprehensive administrative and development tools, QCT POD provides end-to-end support—from the underlying infrastructure to the system platform—effectively addressing diverse industrial workload demands.



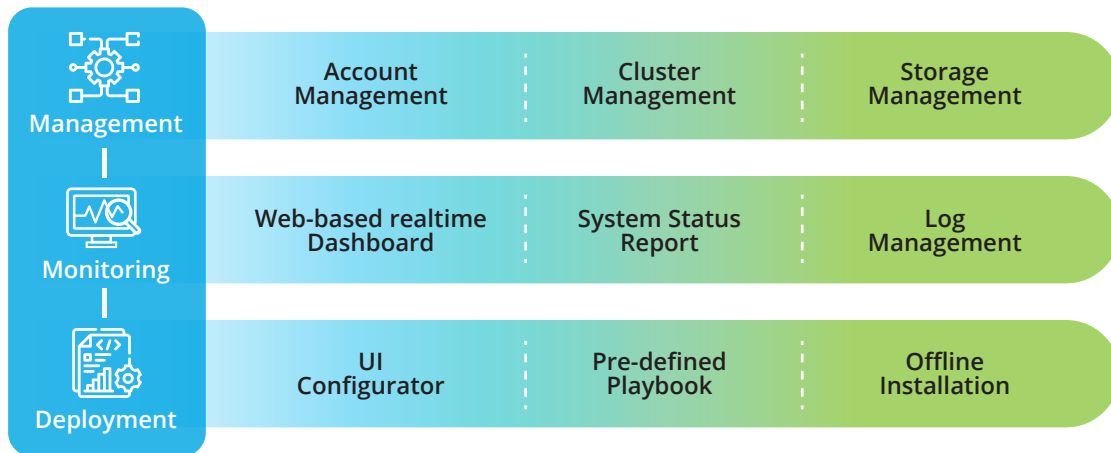
For Developers & End users

QCT POD provides tailored solutions for Cloud-Native and Bare-Metal environments, featuring a powerful and efficient Web-Based Workspace that seamlessly integrates advanced development tools and automate resource scheduling systems. This enables users to flexibly manage computing resources and significantly enhance development efficiency.



For Administrators

The QCT POD management suite includes rapid deployment, real-time monitoring, and robust management features to optimize operational efficiency. The UI configurator simplifies system provisioning, reducing HPC and AI cluster initialization time from days to hours. The web-based dashboard provides real-time insights into resource utilization and system status, ensuring efficient system resource allocation. Its comprehensive management tools also enable administrators to streamline operations and reduce management effort.



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QCT POD



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