

# MODERN HPC AND AI ARCHITECTURE

Future Tech helps organizations provide their innovation teams with immediate access to the computing power needed to test ideas, train models, and push projects forward.



## PERFORMANCE

Converged HPC and AI Architecture



## TRANSPARENCY

Chargeback and Consumption Governance



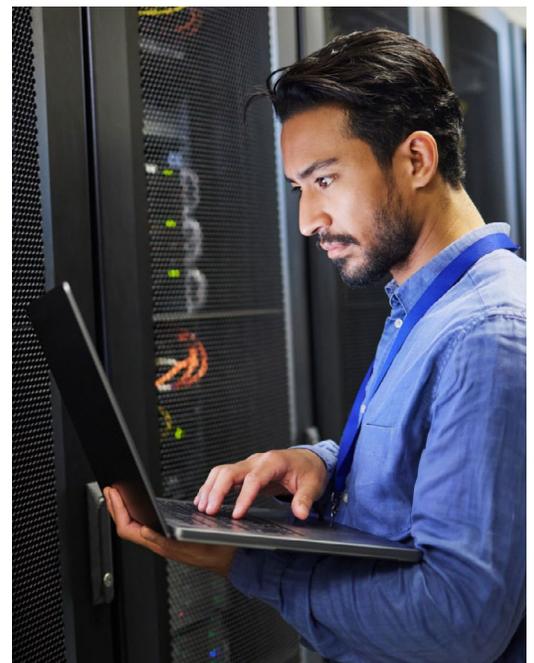
## SECURITY

Secure, High-Speed Data Transfer

## BLENDING GPU POWER WITH PRACTICAL SERVICES

Accelerate time-to-value and avoid costly reinvention with high-performance computing (HPC) clusters and AI architecture tailored to your organization's specific workloads and seamlessly integrated into your existing environment.

The solution ensures that every dollar is tied to measurable business value with built-in chargeback and consumption governance. It also provides quick, secure access to distributed datasets across the edge, core, and cloud to protect sensitive information while keeping teams productive.



## PERFORMANCE

# CONVERGED HPC AND AI ARCHITECTURE

GPU clusters built on best-of-breed technologies deliver the power needed for LLM training, AI simulations, AI inference, digital twins, and other emerging AI opportunities at scale. Instead of one-size-fits-all clusters, Future Tech engineers them for the unique demands of each environment and integrated seamlessly with existing systems to future-proof for modern applications.

## What's included:

- ✓ GPU-accelerated compute architecture
- ✓ Hybrid architectures
- ✓ High-performance storage design
- ✓ Low-latency networking
- ✓ HPC and AI software stack integration
- ✓ Workload benchmarking and performance tuning
- ✓ A scalable architecture design

## What's included:

- ✓ Real-time resource monitoring
- ✓ Cost tracking and allocation
- ✓ Policy-based governance
- ✓ Multi-tenant organization support
- ✓ Audit logging and usage analytics
- ✓ Alert management and scheduling

## TRANSPARENCY

# CHARGEBACK AND CONSUMPTION GOVERNANCE

Consumption governance and chargeback models make usage visible across departments, projects, and programs, ensuring resources are shared fairly and tied directly to measurable outcomes. This transparency strengthens collaboration between IT and finance, enabling predictable OpEx budgeting and smarter decisions about scaling and investment.

## SECURITY

# SECURE, HIGH-SPEED DATA TRANSFER

Ensure critical datasets are transferred to the right place so teams working across edge, core, and cloud can access them in near real time, without compromising control. Instead of leaving security as something to think about after the fact, it's built into the solution's foundation through identity, access, and audit frameworks that satisfy the most demanding compliance requirements.

## What's included:

- ✓ Secure access across environments
- ✓ High-speed data movement
- ✓ Identity, access, and audit controls
- ✓ Compliance-ready security posture
- ✓ Hybrid cloud integration
- ✓ Automation and orchestration

Work with a Future Tech expert to build a modern HPC and AI architecture that's engineered for demanding workloads, governed for shared use, and secure by design.

SCHEDULE AN ASSESSMENT CALL →



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