



Why EjShift Fabric?

- Unified Orchestration across Cloud Providers
- **AI/ML Applications:** Includes model training, inference services, and dashboard/monitoring capabilities.
- **MLOps Layer:** Features MLflow for tracking/registry, Kubeflow for pipelines, and CI/CD for ML Workflows.
- **Compute & Orchestration:** Built on Kubernetes Clusters, supporting containerized workloads and GPU/TPU resource management.
- **Storage Layer:** Comprises an encrypted data lake, model artifact repository, and real-time data streams.
- **Network & Security:** Implements Zero-Trust Architecture, private VLANs, and encryption (in transit/at rest).
- **Physical Infrastructure:** Includes on-premises servers, edge devices, and hybrid-cloud gateways.

Get in Touch:

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CuttingEj EjShift Fabric



Empowering Secure, High-Performance AI at Scale

Overview:

Organizations today face significant challenges when deploying AI in public cloud environments, including data privacy concerns, compliance hurdles, latency issues, and limited customization options. Our Private AI Infrastructure Platform provides a comprehensive solution, enabling enterprises to deploy and scale AI/ML workloads on-premises or in private clouds with unparalleled security, control, and performance.

Planned Enhancements (Roadmap):

- Graphical dashboard
- Alignments to EU AI Act, US Safe AI and UNESCO AI Ethics with Secure AI Framework.
- Cost optimization for AI

Key Features:

- **Data Privacy Risks:** Eliminate sensitive data exposure by processing AI workloads on your private infrastructure
- **Compliance Limitations:** Easily meet stringent regulations such as GDPR and HIPAA with full data sovereignty and on-site data handling
- **Latency Issues:** Overcome data transfer bottlenecks and achieve real-time AI inference with optimized hardware and software stacks.
- **Customization Limits:** Gain full control over your infrastructure to optimize for specific AI/ML workloads and achieve peak performance.
- **Operational Cost Constraints:** Manage and control your operational costs more effectively.

Solution Overview:

Our Private AI Infrastructure Platform is designed to empower organizations to:

- **Deploy and Scale AI/ML Workloads:** Seamlessly deploy and scale AI/ML applications on-premises or within your private cloud environment.
- **Ensure Data Sovereignty and Compliance:** Maintain full control over your data and ensure adherence to industry-specific regulations.
- **Optimize Hardware and Software:** Leverage optimized hardware (e.g., GPUs, TPUs) and a tailored software stack for low-latency, high-throughput AI processing.
- **Integrate with Existing IT Systems:** Effortlessly integrate with your current IT infrastructure through APIs and hybrid-cloud architectures.
- **Automate MLOps Pipelines:** Streamline your AI lifecycle with automated MLOps pipelines for model training, deployment, and monitoring.