

FROM AI EXPERIMENTATION TO ENTERPRISE-SCALE OPERATIONS

DXC DATA SCIENCE ENABLEMENT MLOPS & LLMOps

ADVISORY AND IMPLEMENTATION SERVICES



The Enterprise AI Challenge

WHY AI FAILS TO SCALE IN ENTERPRISES



Every large company tries to leverage AI to create new business value

But only a small percentage of AI initiatives show a significant ROI today



The challenges:

- Fragmented tools and disconnected teams
- Pilots that don't reach production
- New operational, governance, and cost risks with GenAI
- Inconsistent ways of working across AI initiatives



DXC is the leading independent service provider for AI services:

- Strong, asset-based capabilities
- Strong partnerships
- Plenty success cases
- A dedicated CoE for operationalizing AI

MLOPS ACCELERATES AI ADOPTION

What it is

MLOps provides structure and automation to the lifecycle management of machine learning systems. It is a software and business process framework supporting AI development, testing, release, deployment, operations maintenance, and integration with enterprise applications and business processes.

MLOps best practices

- Flexible Experimentation
- Model Pipeline Development
- CI/CD for Operationalization
- Versioning of Data, Model Pipelines and Models
- Lineage and Reproducibility
- Model Serving
- Monitoring
- Automated Model Freshness

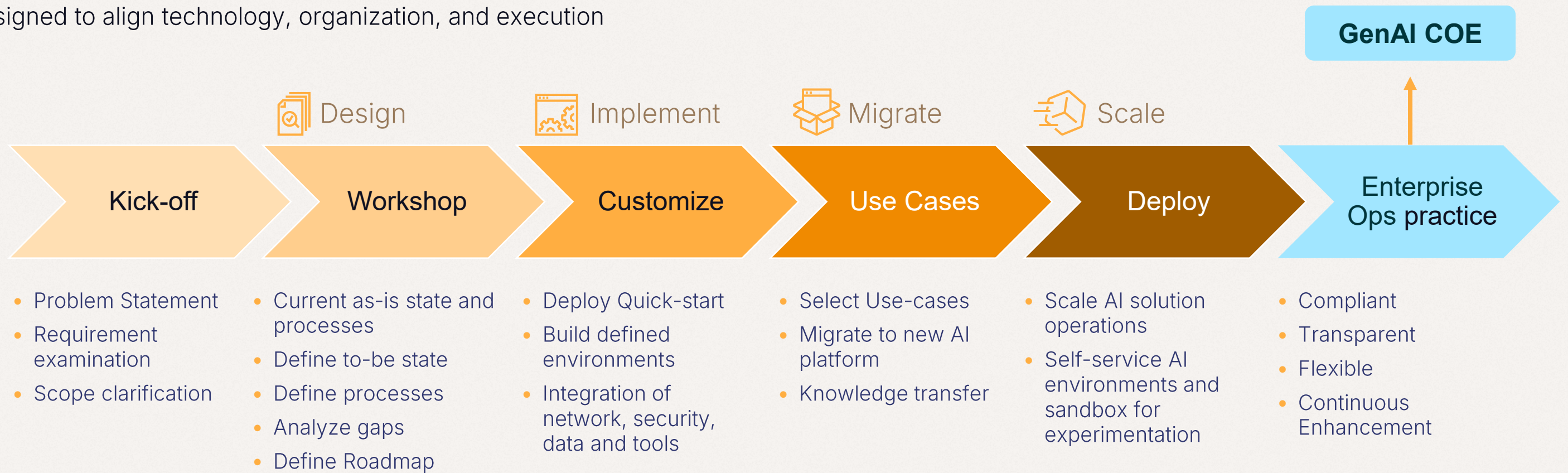
Benefits

- 1 Faster Time to Value
- 2 Reduced Fragmentation
- 3 Governance and Compliance
- 4 Reliable AI Operations at Scale

One Integrated Advisory Entry Point

DXC INTEGRATED AI ENABLEMENT WORKSHOP

One unified advisory workshop covering Data Science Enablement, MLOps and LLMOps
 Designed to align technology, organization, and execution



Workshop Structure & Outputs

FROM CURRENT STATE TO ROADMAP

AS-IS: Current practices, pain points

TO-BE: Best practices & target architecture

ROADMAP: Validated decisions

Primary outputs

- Roles & Processes
- Reference Architecture
- Implementation Roadmap

Session 1			Session 2			Session 3			
As - Is			To - Be			Roadmap			
09:00 – 09:30	Meet and Greet	Core Team	09:00 – 10:30	Architecture Review	Core Team	09:00 – 10:30	Final Architecture and Processes	Core Team	
09:30 – 10:00	Introduction		11:00 – 12:30	Roles & Processes		11:00 – 12:30	Enhancement Roadmap		
10:00 – 12:00	Enterprise Vision		break	break	break				
13:00 – 13:45	Compliance	Interfaces	13:30 – 14:00	Governance	Interfaces	13:30 – 14:00	Open Discussion	Core Team	
13:45 – 14:00	Data Governance		14:00 – 14:30	break		14:00 – 14:30			Wrap-Up
14:00 – 14:30	break		14:30 – 15:00	App Integration		14:30 – 15:00			Closing Words
14:30 – 15:00	App Integration		15:00 – 15:30	Security		15:00 – 15:30			
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Data Science Enablement

ESTABLISHING A UNIFIED WAY OF WORKING

- Clear roles across business, data science, engineers, platform, and IT
- Standardized experimentation and collaboration path
- Governed environments without blocking freedom of innovation
- Foundation for MLOps and LLMOps

Best Practices

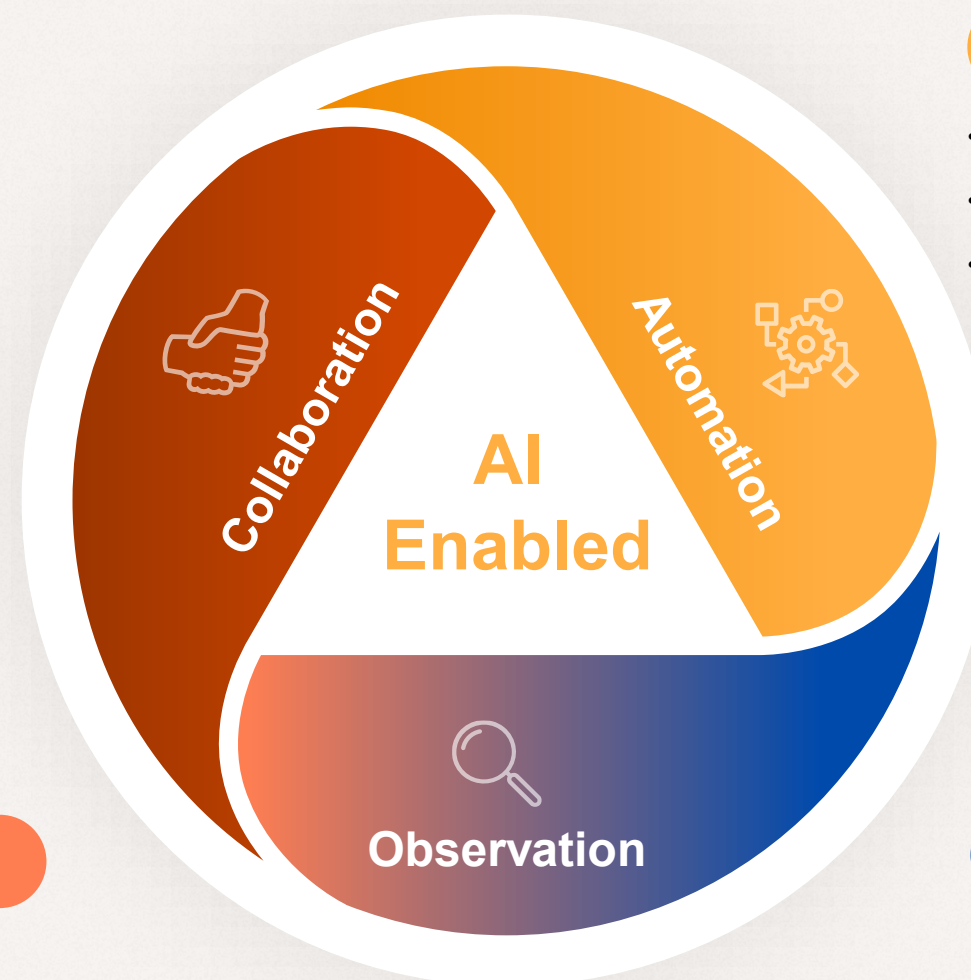
- Processes and procedures for standards & best practices
- Socializing larger data and AI citizens
- Increased adoption and governance while scaling AI footprint across the business lines

AI Playbooks

- Playbooks for onboarding new teams, data sets, models and tools
- Cookbooks for onboarding new teams, data sets, models and tools

Support Activities

- Educating Data Scientists for adoption of standards in model development & deployment
- AI policing for adherences to standards and responsible AI



Pipeline Automation

- Deliver optimization on costs & resources
- Ownership of all model pipelines on production
- Review mechanism for model promotion to production

Reusable Assets

- Data quality and drift detection
- AI use case repositories
- Standardized code snippets

Monitoring & Reporting

- Readymade templates for logging, monitoring & quality control of operations
- Automated code quality checks

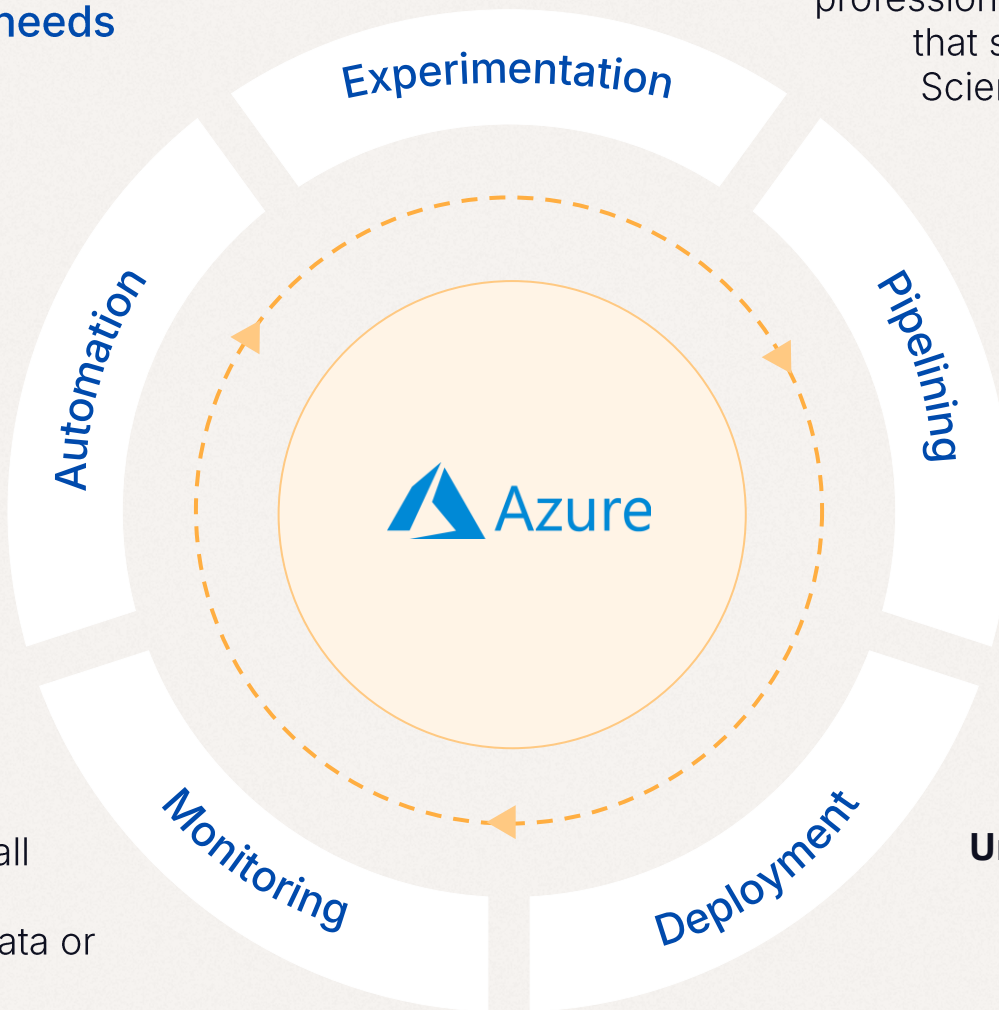
Industrializing machine learning

DXC QUICKSTART FOR MLOps

Quick deployed full MLOps functionality designed to scale with your needs

Free your teams from repetitive manual tasks by making use of a fully automated no-ops model freshness workflow that leverages the monitoring data for event-based model re-training and alerting

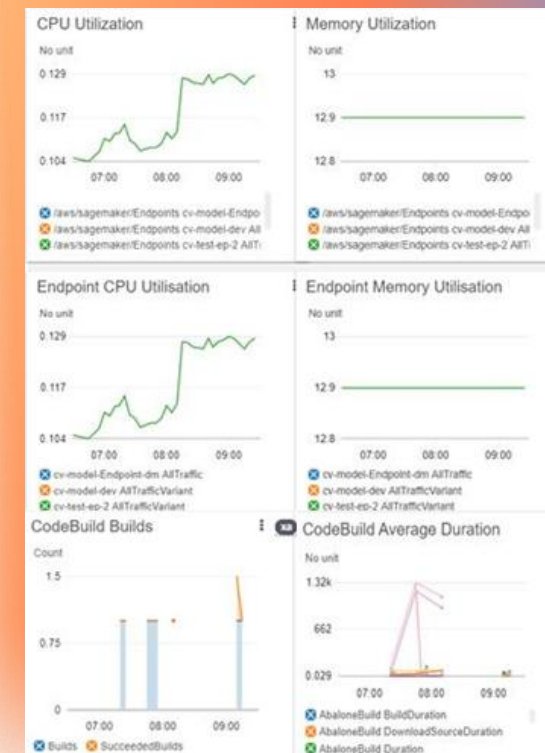
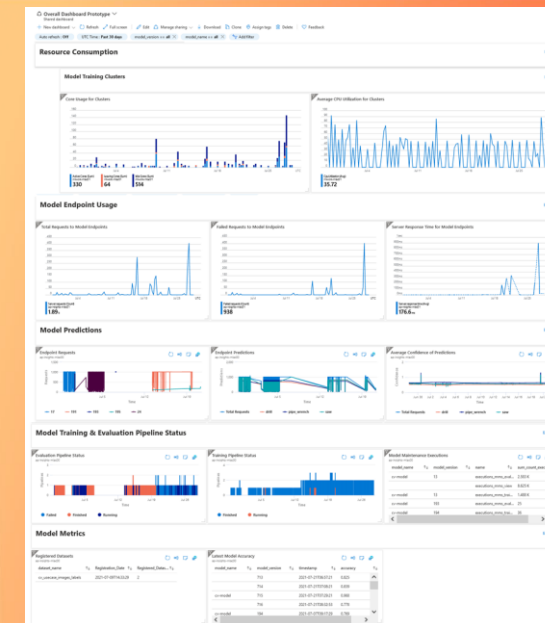
Get near to real-time model transparency by leveraging monitoring capabilities across all environments, whether it's experimental runs, pipelines, data or model consumption



Maintain full flexibility by leveraging professional notebook environments that support the preferred Data Science tools and enable easy tracking of experiments

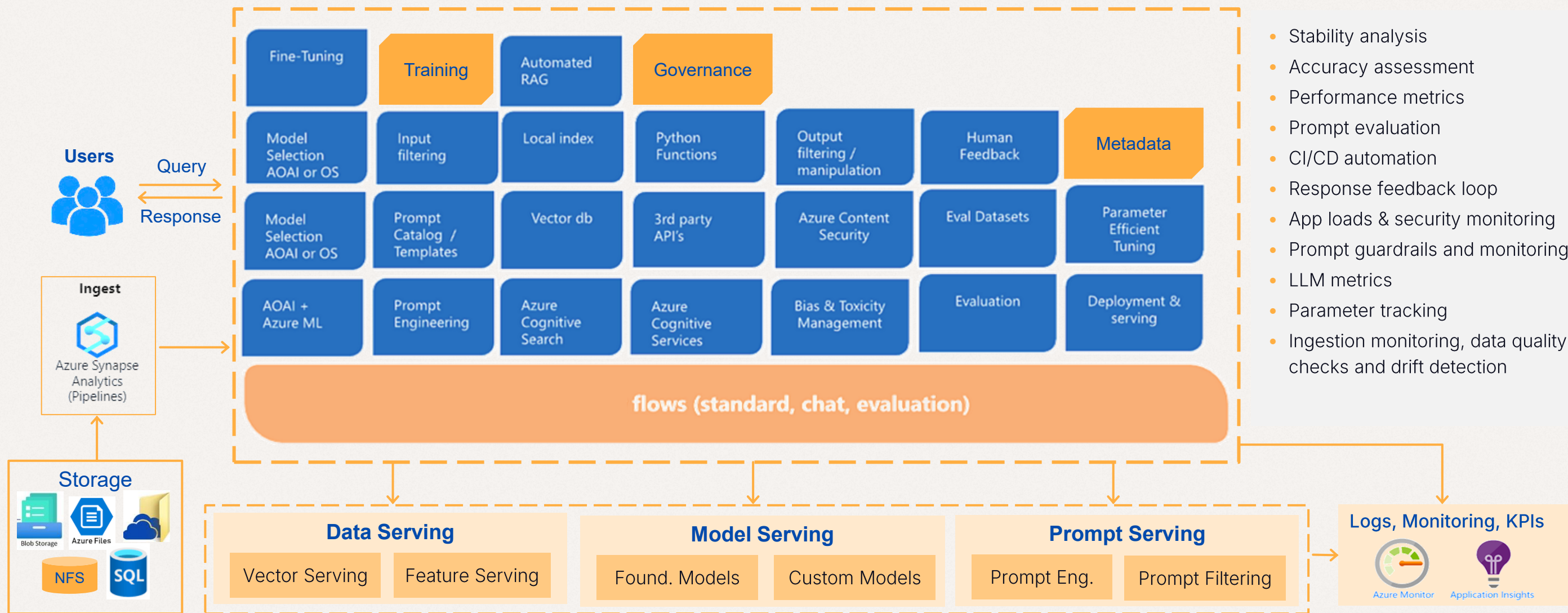
Create reusable Model Pipelines for training and evaluation that are versioned, monitored and that can be triggered automatically in production

Unleash full CI/CD for AI solutions to quickly deploy ML pipelines and to serve models into production for consumption



Operating generative AI at enterprise scale

DXC LLMOPS BEST-PRACTICES



- Stability analysis
- Accuracy assessment
- Performance metrics
- Prompt evaluation
- CI/CD automation
- Response feedback loop
- App loads & security monitoring
- Prompt guardrails and monitoring
- LLM metrics
- Parameter tracking
- Ingestion monitoring, data quality checks and drift detection

DXC AI CENTER OF EXCELLENCE

Analysts Voice

DXC offers a plethora of asset-based services, including MLOps as an asset-based offering. The MLOps library includes tool assessments, reusable software code for relevant building blocks of MLOps/ LLMOps and deployment scripts for MLOps/LLMOps base environments. This reduces customers' barriers and offers cost-reductions opportunities and faster value realization.



Vendor Independent

DXC partners with major Machine Learning vendors but offers its services completely independent



End to End coverage

DXC helps clients across advisory, platform implementation, platform operations and use case maintenance



30+ organizations

Rely on DXC as their trusted partner on MLOps



Asset Based

DXCs services are based on pre-developed software and organizational assets



Field Proven CoE

DXCs MLOps capabilities are bundled in a center of excellence (30+ members) which leads projects, develops and maintains assets





IMPOSSIBLE. DELIVERED.