

# AZURE MLOPS

An intersection of ML and IT operations based on the concept of DevOps

Pactera EDGE provides an end-to-end future-ready Azure MLOps platform that allows you to design, build, deploy and collaborate between IT Engineers and Data Scientists. The solution is aimed to expedite the development & deployment of an MLOps platform using our frameworks and accelerators, resulting in improved quality of models, increased productivity & revenue, optimized OPEX, and reduced costs of data & talent acquisition.



*See what customers are saying:*

*"The solution will greatly help individuals and businesses to unlock previously untapped sources of revenue, save time, and reduce cost"*

*– Fortune 500 Companies*

## WHAT WE OFFER

Pactera EDEGE incorporates accelerators, IP, best practices and methodologies through which we can infuse the right processes, tools & skill set to accelerate your MLOps Journey resulting in optimized spending.

We help Enterprises achieve reliable ML model deployment, consistent model training & monitoring, rapid experimentation, reproducible models, and accelerating model deployments, reducing technical debt..

We unlock the MLOps capabilities to deliver solutions that facilitate and optimize collaboration among Data-Scientists and IT Ops teams to deploy, monitor, manage, and govern ML/AI models, accelerating deployments of enterprise-grade models into production while minimizing OPEX..

# Why Microsoft Azure MLOps?

## Build machine learning workflows and models

Use datasets and rich model registries to track assets. Enable enhanced traceability with tracking for code, data, and metrics in run history. Build machine learning pipelines to design, deploy, and manage reproducible model workflows for consistent model delivery.

## Easily deploy highly accurate models anywhere

Deploy rapidly with confidence. Use managed online endpoints to deploy models across powerful CPU and GPU machines without managing the underlying infrastructure. Package models quickly and ensure high quality at every step using model profiling and validation tools. Use controlled rollout to promote models into production.

## Efficiently manage the entire machine learning lifecycle

Take advantage of built-in interoperability with Azure DevOps and GitHub Actions for seamlessly managing and automating workflows. Optimize model training and deployment pipelines, built for CI/CD to facilitate retraining, and easily fit machine learning into your existing release processes. Use advanced data-drift analysis to improve model performance over time.

## Achieve governance across assets

Track model version history and lineage for auditability. Set compute quotas on resources and apply policies to ensure adherence to security, privacy, and compliance standards. Use the advanced capabilities to meet governance and control objectives and to promote model transparency and fairness.

## Benefit from interoperability with MLflow

Build flexible and more secure end-to-end machine learning workflows using MLflow and Azure Machine Learning. Seamlessly scale your existing workloads from local execution to the intelligent cloud and edge. Store your MLflow experiments, run metrics, parameters and model artefacts in the centralized Azure Machine Learning workspace.

## Accelerate collaborative MLOps across workspaces

Facilitate cross-workspace collaboration and MLOps with registries. Host machine learning assets in a central location, making them available to all workspaces in your organization. Promote, share, and discover models, environments, components, and datasets across teams. Reuse pipelines and deploy models created by teams in other workspaces while keeping the lineage and traceability intact.



Microsoft Azure is an ever-expanding set of cloud computing services to help your organization meet its business challenges. With Azure, your business or organization has the freedom to build, manage, and deploy applications on a massive, global network using your preferred tools and frameworks.

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