kainos

MACHINE LEARNING PRODUCTIVITY

LEAP WITH KAINOS MLOPS

Quickly and confidently move AI & ML from PoC to operational use

- Transform the operational gains from data science by adopting ML on the cloud, deploying many ML models safely and quickly for operational use
- Satisfy compliance demands by monitoring and auditing model predictions, being able to explain predictions and rapidly optimising.

Go faster with Kainos MLOps

Kainos MLOps will transform your adoption of data science using best practice to drive common policy, process and practice. It leverages Microsoft technologies while including playbooks and model tools that enable transition from tactical to strategic cloud data science in production at scale.

By establishing a shared set of guidelines, Kainos MLOps **drives alignment** between data science, engineering and operations teams.

Increase automation while maintaining the quality and security of data

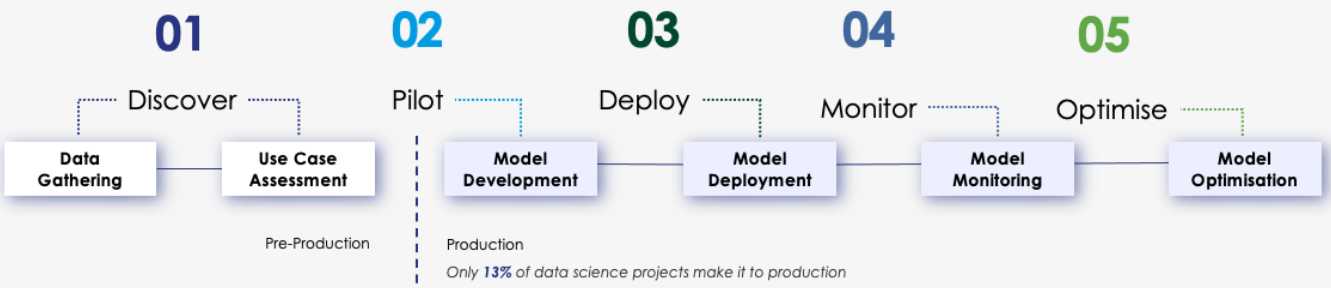
Ensure compliance with regulation for ML predictions and decision-making

Adopt cloud scale for ML safely and confidently through standardisation

Optimise technical investment required to upskill and retrain

Reduce risk of failure through automation of monitoring and alerts for live services.

Bring DevOps productivity to your Machine Learning teams



Kainos MLOps leverages **best practice** to limit the impact of model drift and degradation, ensuring that evolving data assets can be monitored, alerted, maintained and retrained regularly in production.

Learn More

To determine if this service could be of value to you, please email **ai@kainos.com**

Embrace standardised ML DevOps pipelines
on Microsoft Azure technologies

kainos®

Prepare, train, test and deploy ML at **cloud scale**

CI/CD to reduce barriers between development and production

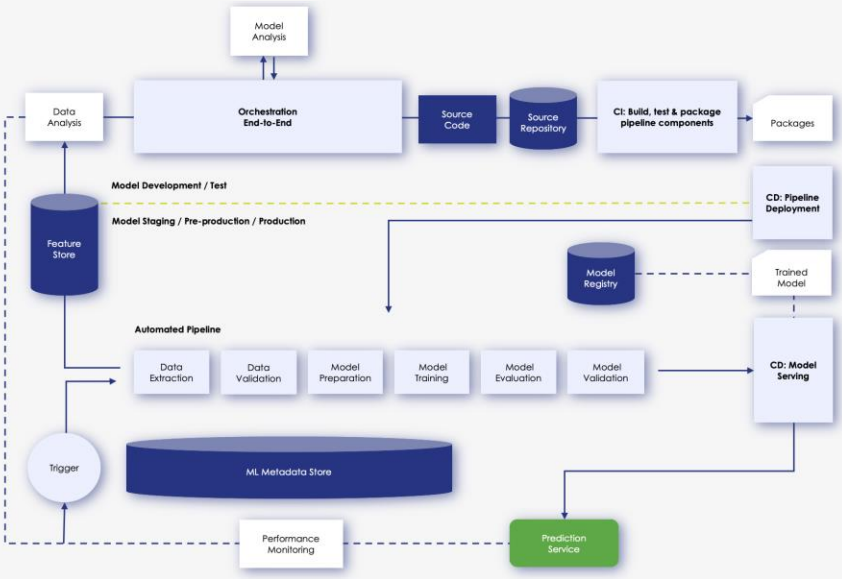
Source repositories, **CI/CD** tooling and **GitOps** embedded throughout

Automatic **triggering** and **alerts** for production models

Monitoring of **model drift** to ensure optimal accuracy

Reproducibility to reduce development time

Continuously push **updates** efficiently and effectively



Partner with a low-risk technical expert

Engineering excellence: we combine expertise in innovation and **robust engineering** to quickly and effectively, deliver value and transformation

Leading cloud expertise: as **Microsoft** UK Partner of the Year 2018 and a Microsoft Gold Partner, we bring extensive experience in utilising the latest cloud technologies

Building customer capability: our technical experts work collaboratively with customer teams using our proven **enablement framework** to transfer skills

Scalable and flexible: we have **1,700+** technical experts across a wide range of key roles; from DevOps, to solution architecture and data science; delivering **the right skills** at the right time

Kainos MLOps Case Study – Large General Insurer

Challenge

A **large general insurer** had data analysts working in pockets throughout their organisation. They ran short agile projects to deliver operational change and used a mixture of SQL, R and Python on local machines. They required support in establishing a centralised advanced analytics hub to scale their use of production ML.

Solution

We implemented **Kainos MLOps**; aligned with **best practice** and underpinned by **optimal tooling** on **Microsoft Azure**, to drive quality and attain economies of scale within their advanced analytics hub:

- Delivered an end-to-end **development environment**
- **Implemented best-in-class technologies** for automated model/pipeline deployment, retraining and monitoring
- Delivered a shared **ML governance framework** for data science, engineering and operations teams
- **Productionised two ML models** through the end-to-end MLOps process – Predictive Classification model and Claims Fraud model

Learn More

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