

3 Assessment Example

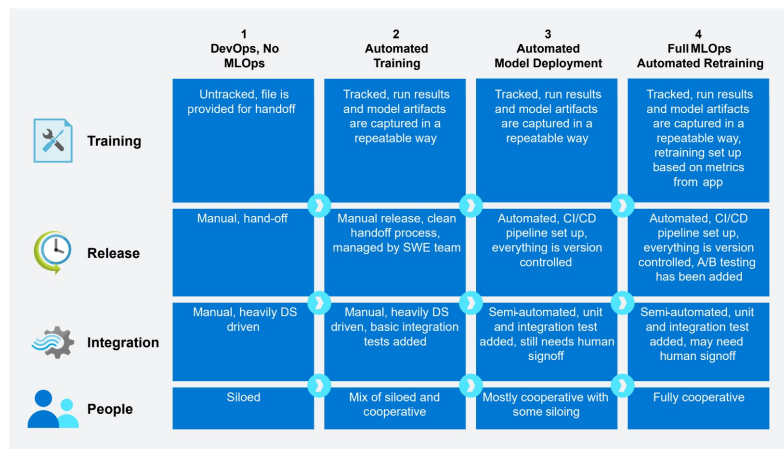
Data Platform Architecture

In this case, we identified some key improvements for the data platform, mainly in data quality and MLOps (Machine Learning Operations).

For data quality, we suggested using anomaly detection services to monitor data quality issues before they affect end users and stakeholders.

Regarding MLOps, the customer's data platform lacked an MLOps strategy. We recommended taking a small step towards automation by enabling model artifact tracking and creating tools for a repeatable model release process.

MLOps Maturity Journey

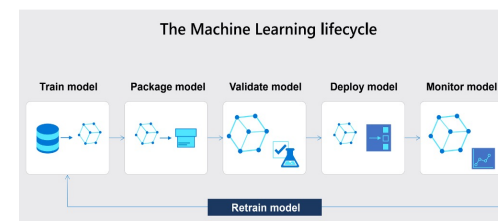


Reference: Azure MLOps Whitepaper

Tech Toolset: MLOps

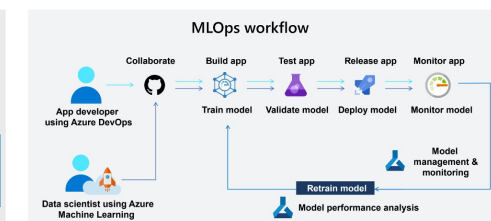
ML Development: Typical State

- Starting point for ML activities is typically manual
- Effort to achieve consistency and reliability is high
- Scale and speed impediments to move across environments



Contrast: MLOps

- Adapt DevOps best practices into ML development, incorporating ML-specific aspects and nuances
- Attain sustainable pace and speed
- Frictionless movement from Dev to Prod



Reference: Azure MLOps Whitepaper