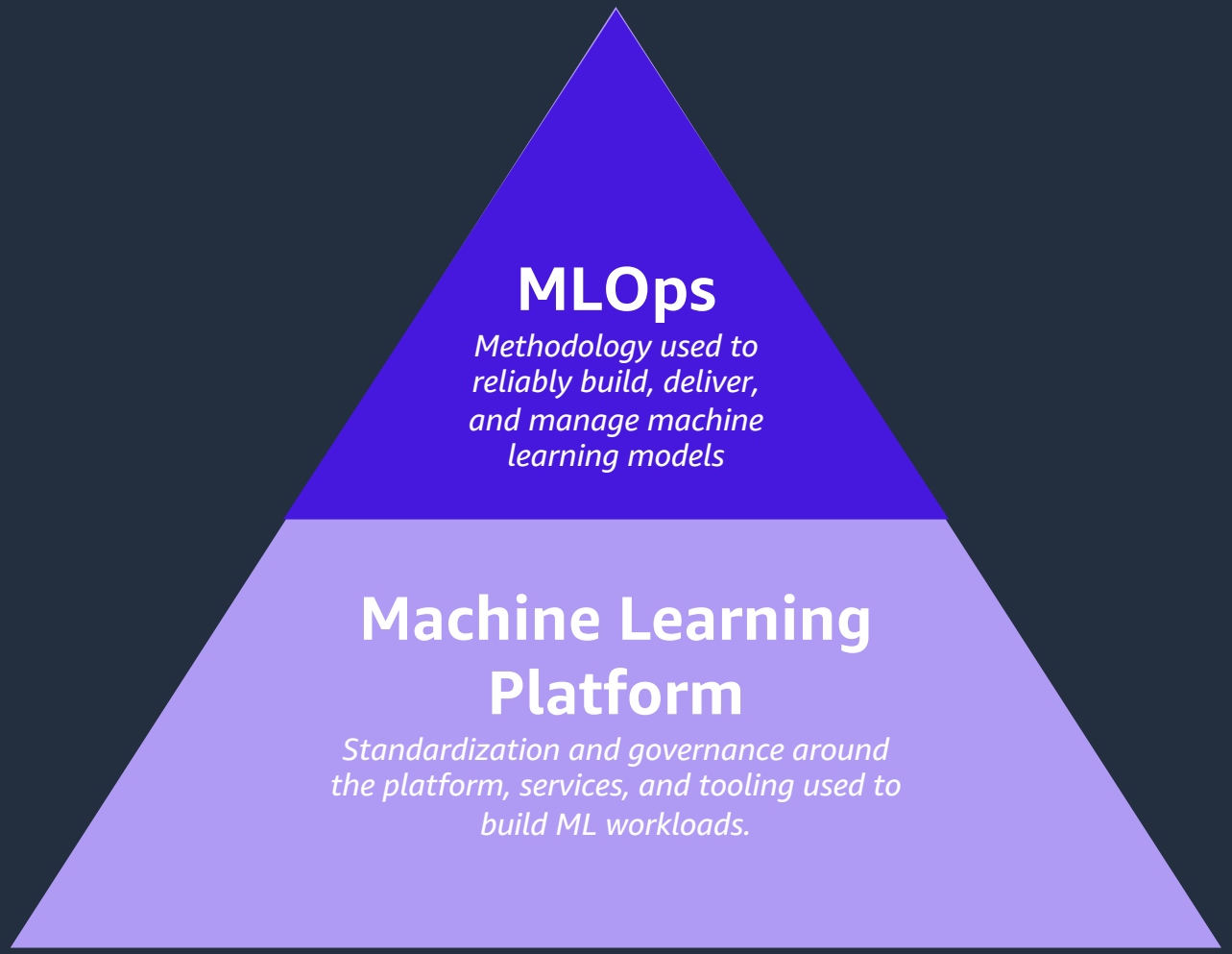
ML Platform & MLOps Introduction

ML Platform + MLOps

Standardizing platform capabilities as the foundation for MLOps implementations



Why it matters…

- Optimize the MLDC using operationally efficient and reliable practices to deliver and manage models at scale
- Standardize tooling & processes to reduce the MLDC
- Select the right services to minimize operational overhead
- Configure the platform infrastructure and services with minimal human effort
- Adherence to AWS Best Practices using the AWS Well Architected Framework and Machine Learning Lens

AWS Well-Architected ML Design Principles

Assign ownership

Enable automation

Optimize resources

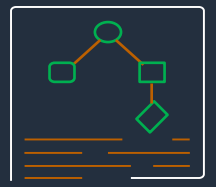
Provide protection

Enable reproducibility

Reduce cost

Considerations used as the basis for Well-Architected ML workloads

Enable resiliency



Enable reusability

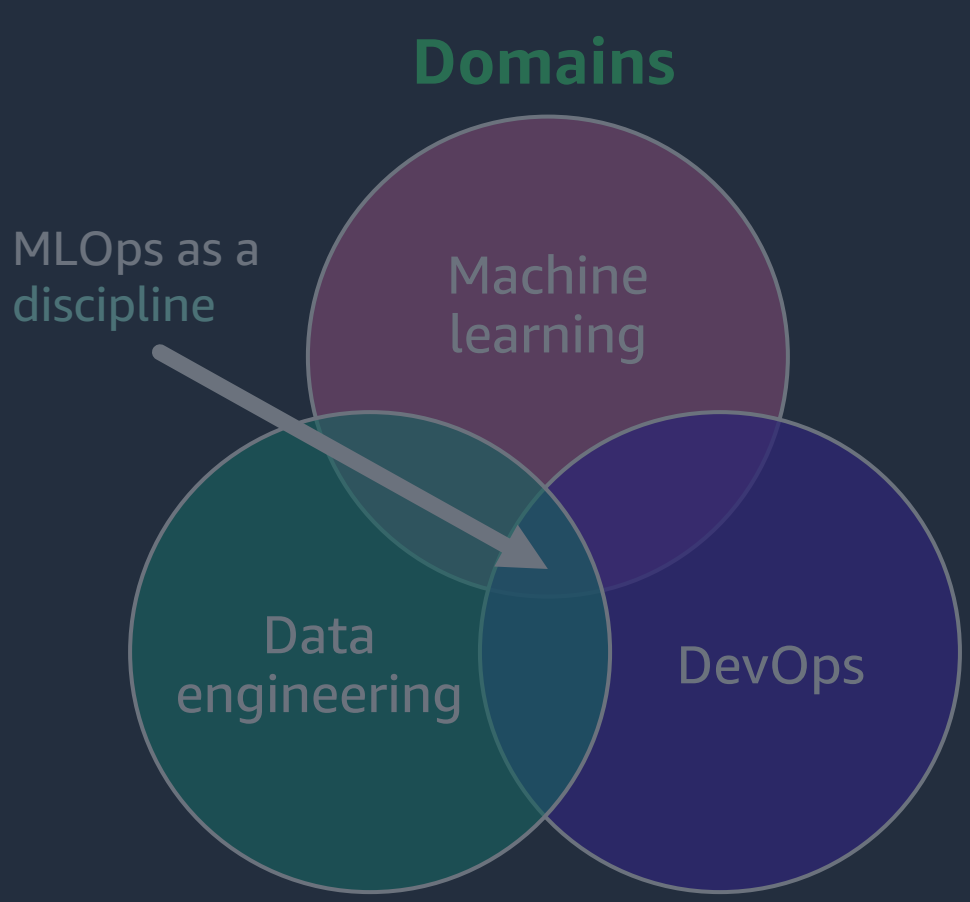
Enable continuous improvement

aws

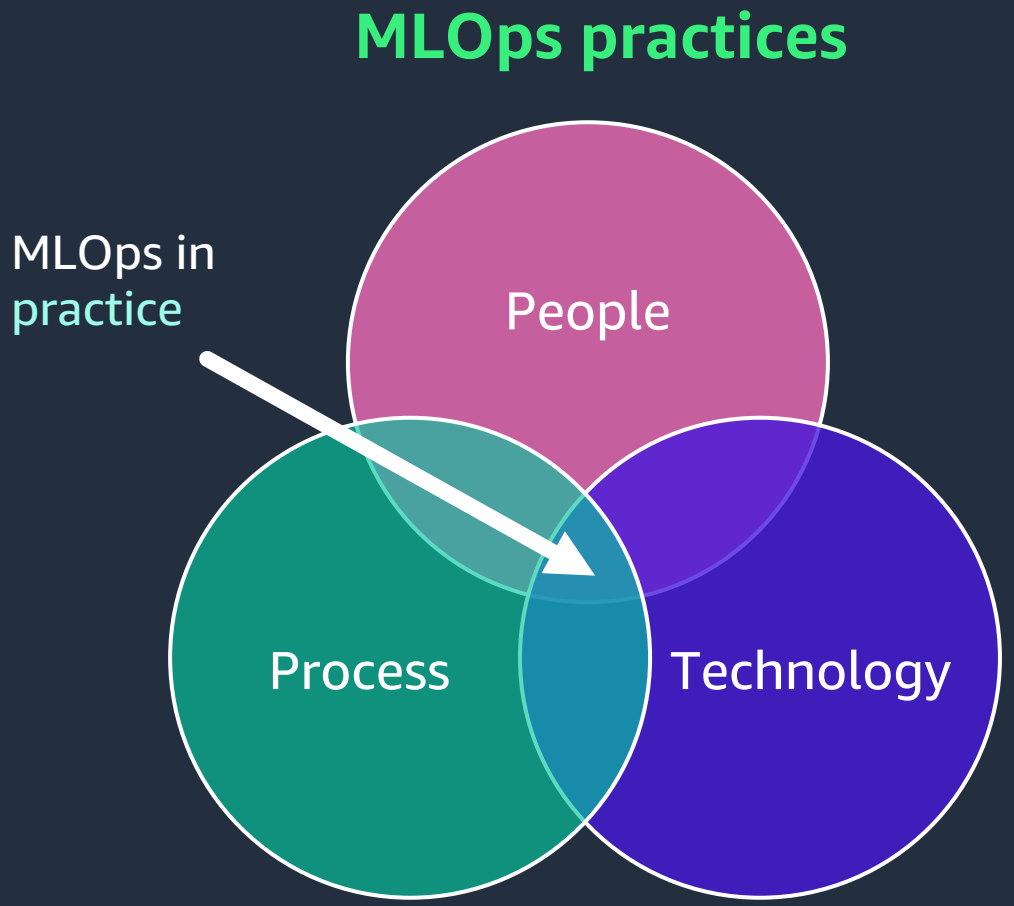
ML Platform

Standardizing platform capabilities as the foundation for MLOps implementations

What is MLOps?
It's not just technology



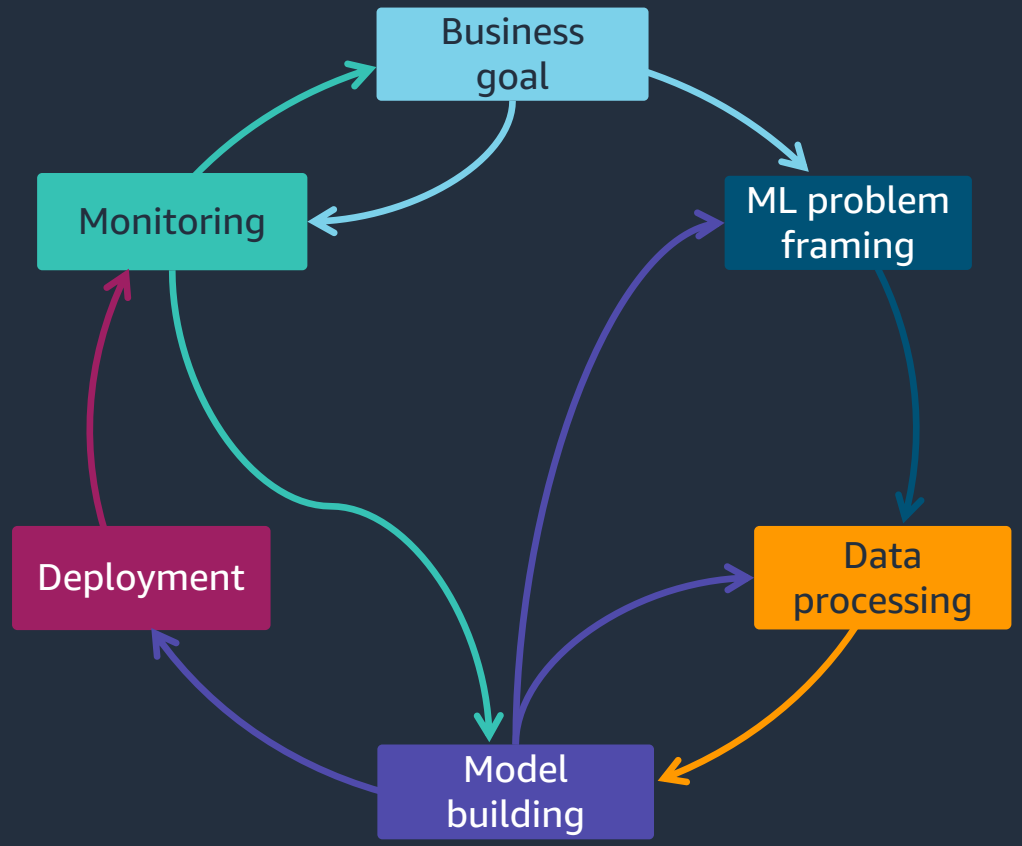
MLOps is a discipline that sits at the intersection of the domains of data science, data engineering, and DevOps.



MLOps as a discipline is enabled by a core set of practices that span People, Process, and Technology across the Machine Learning Development Lifecycle.

What is MLOps?

It's not just technology



MLOps defines the methodology used to build, deliver, and manage machine learning models using repeatable and reliable end-to-end processes designed to optimize operational efficiency and reliability across the Machine Learning Development Lifecycle (MLDC).

Tomorrow: Dive deep into MLOps Technical Considerations

Featuring SageMaker MLOps + Supporting SageMaker Features