



## Progettare e rilasciare flussi MLOps su AWS





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beSharp is an **Italian Premier AWS Partner**, whose core business consists in migrating its customers on **AWS**

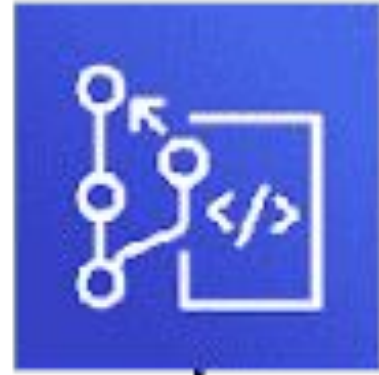
**Materiale in parte da**

**<https://github.com/xtreamsrl/amld22-mlops-on-aws>**

Collaborazione con Xstream srl



# Outline



**ML ed MLOps**



**AWS introduzione**



**MLOps su AWS**

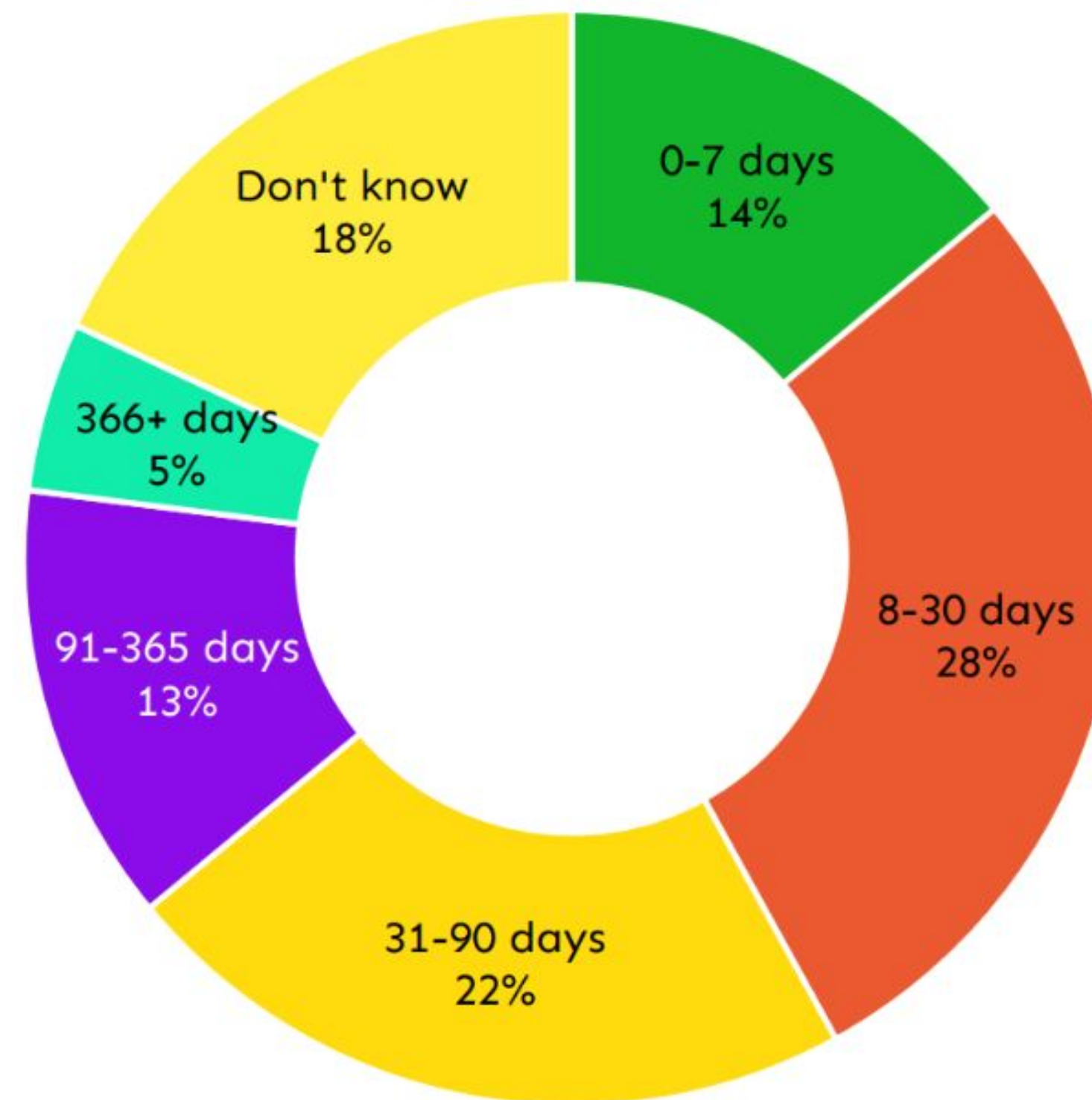
**Un esempio pratico**



**Conclusioni**

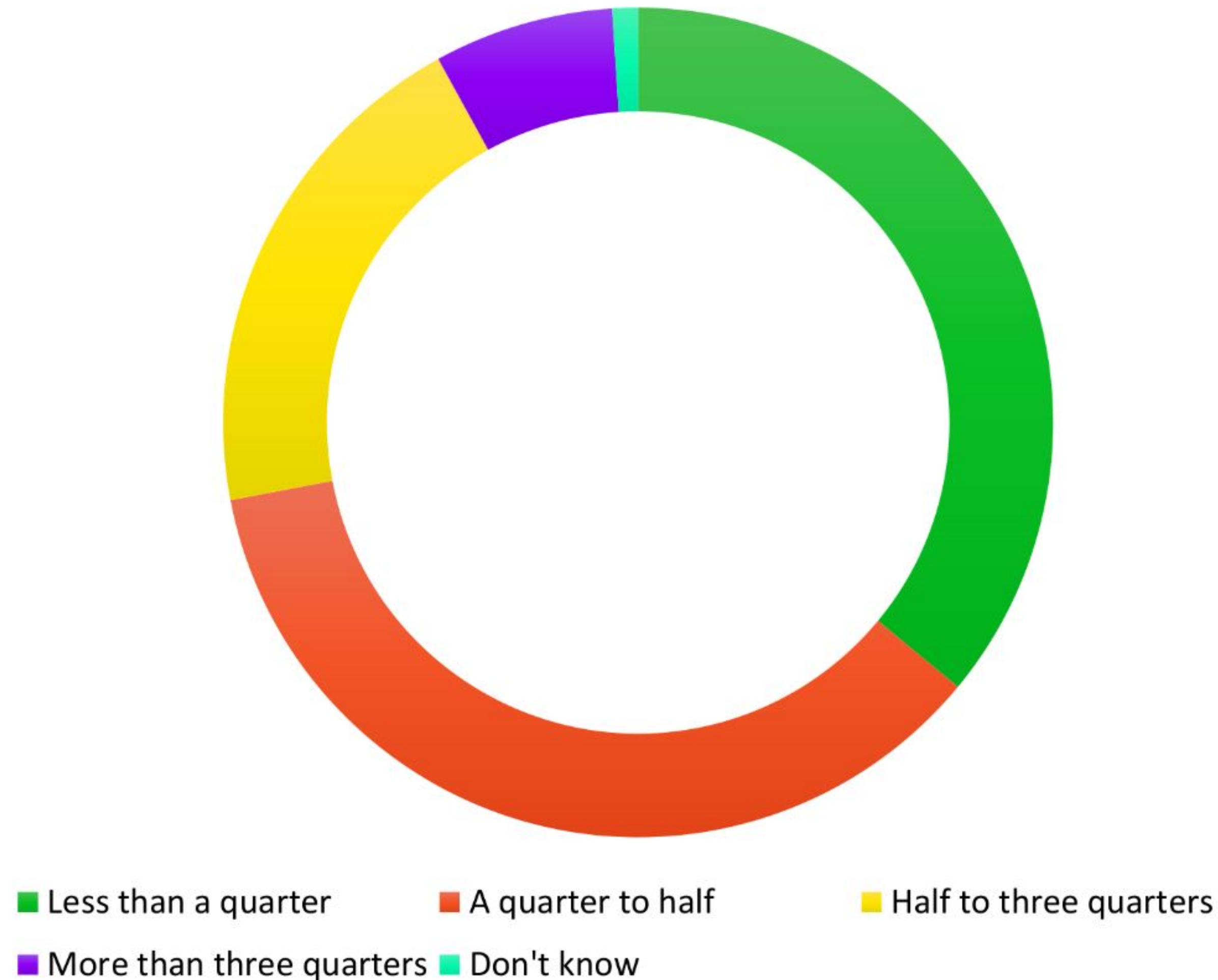
# ML Development is slow

Time to ship a new model to production



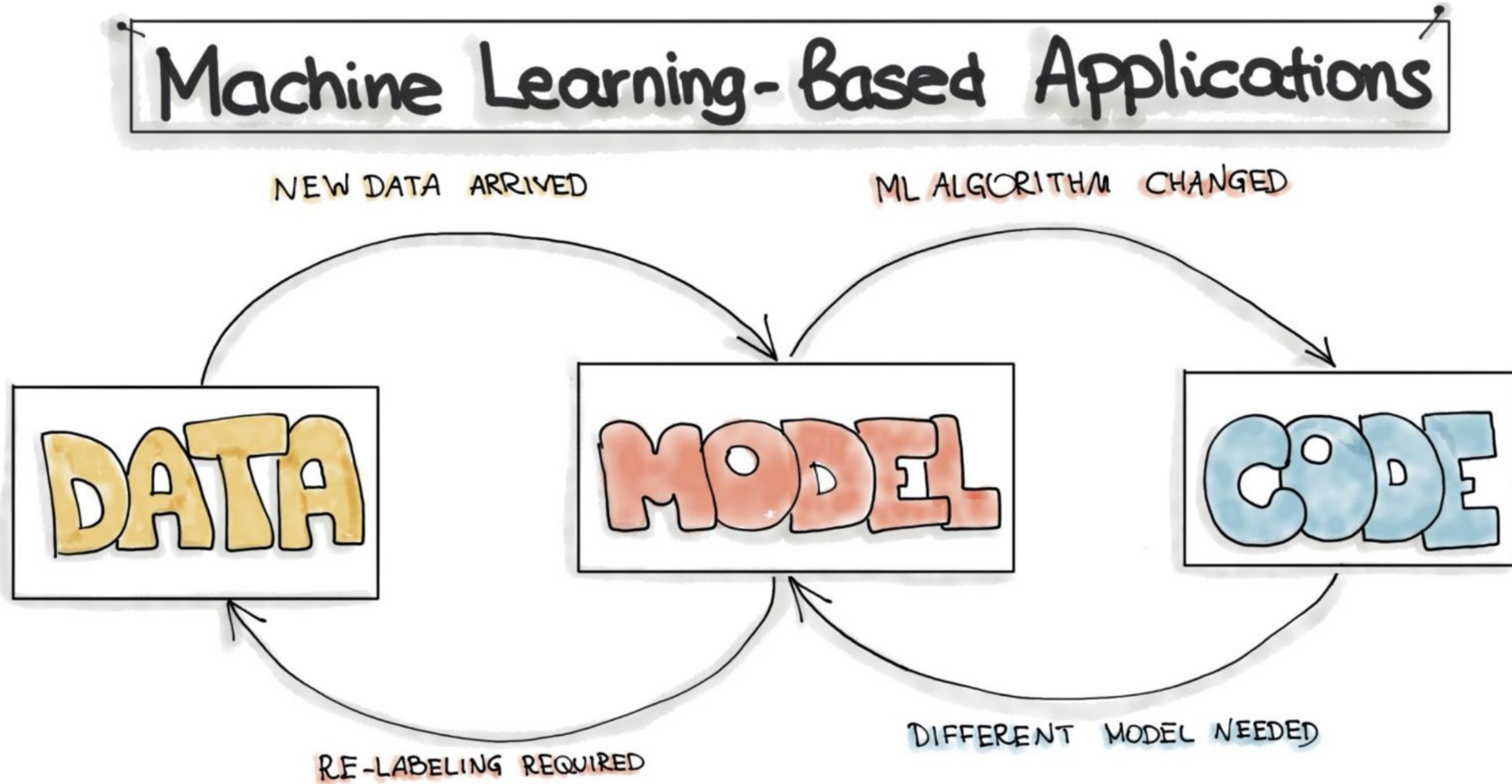
# ML Deployment is time-consuming

Share of time spent by data scientists on model deployment





# Updates cascade



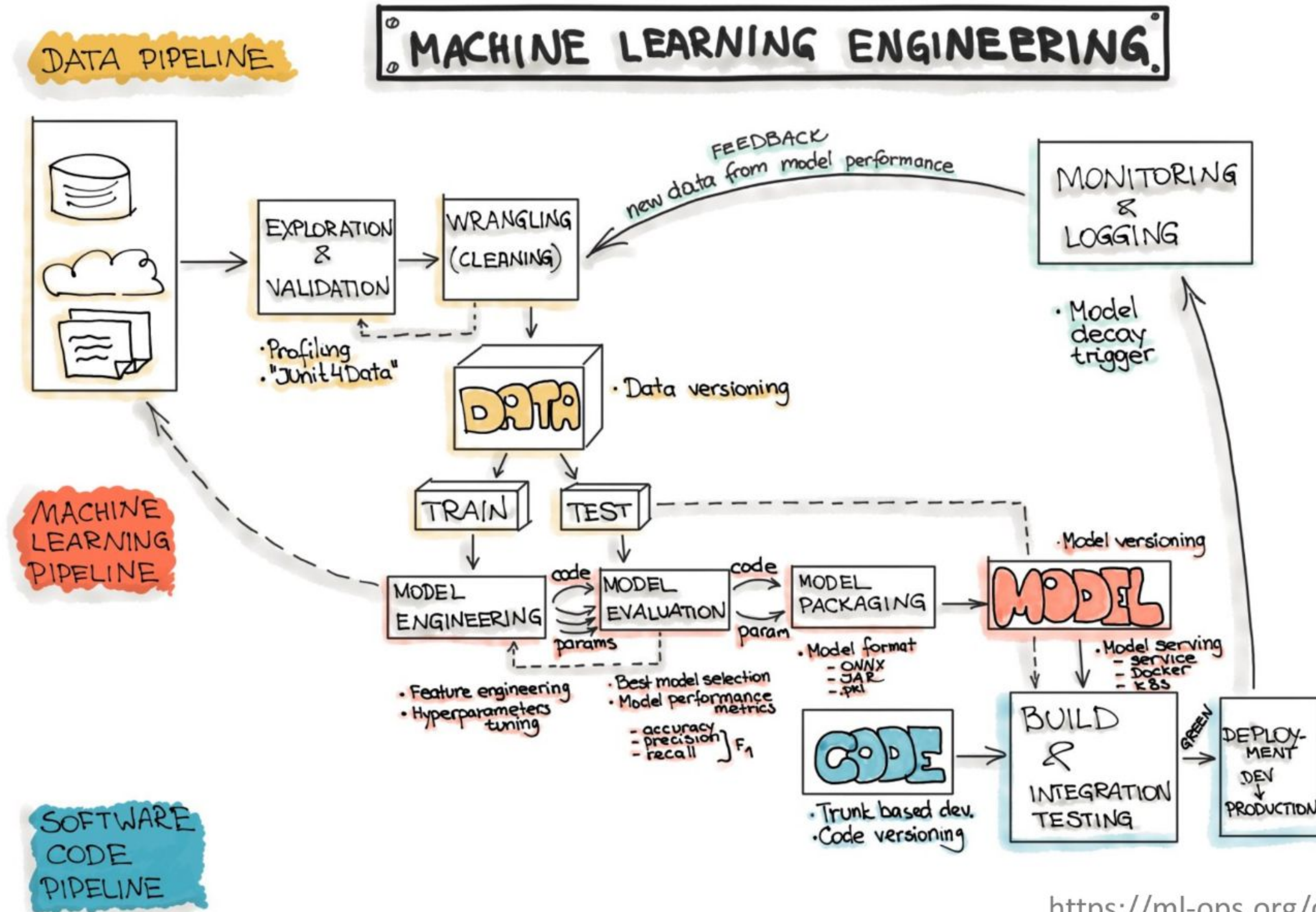


# The Machine Learning process



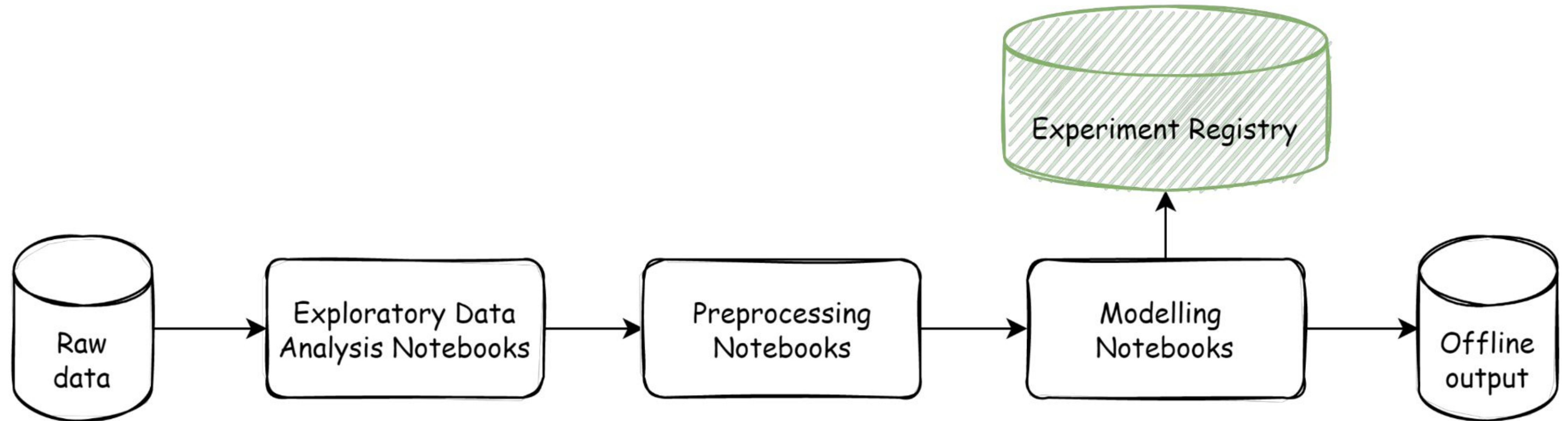


# The Machine Learning process



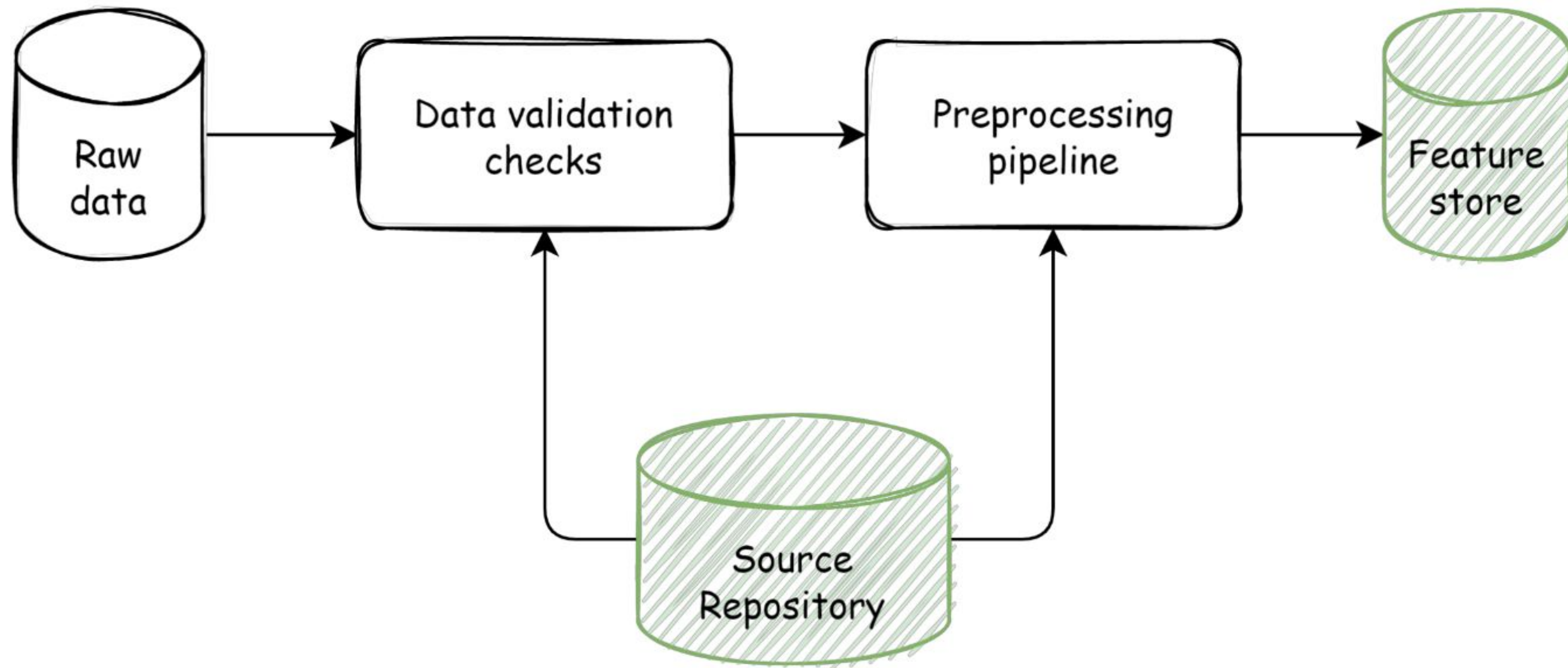


# Offline development



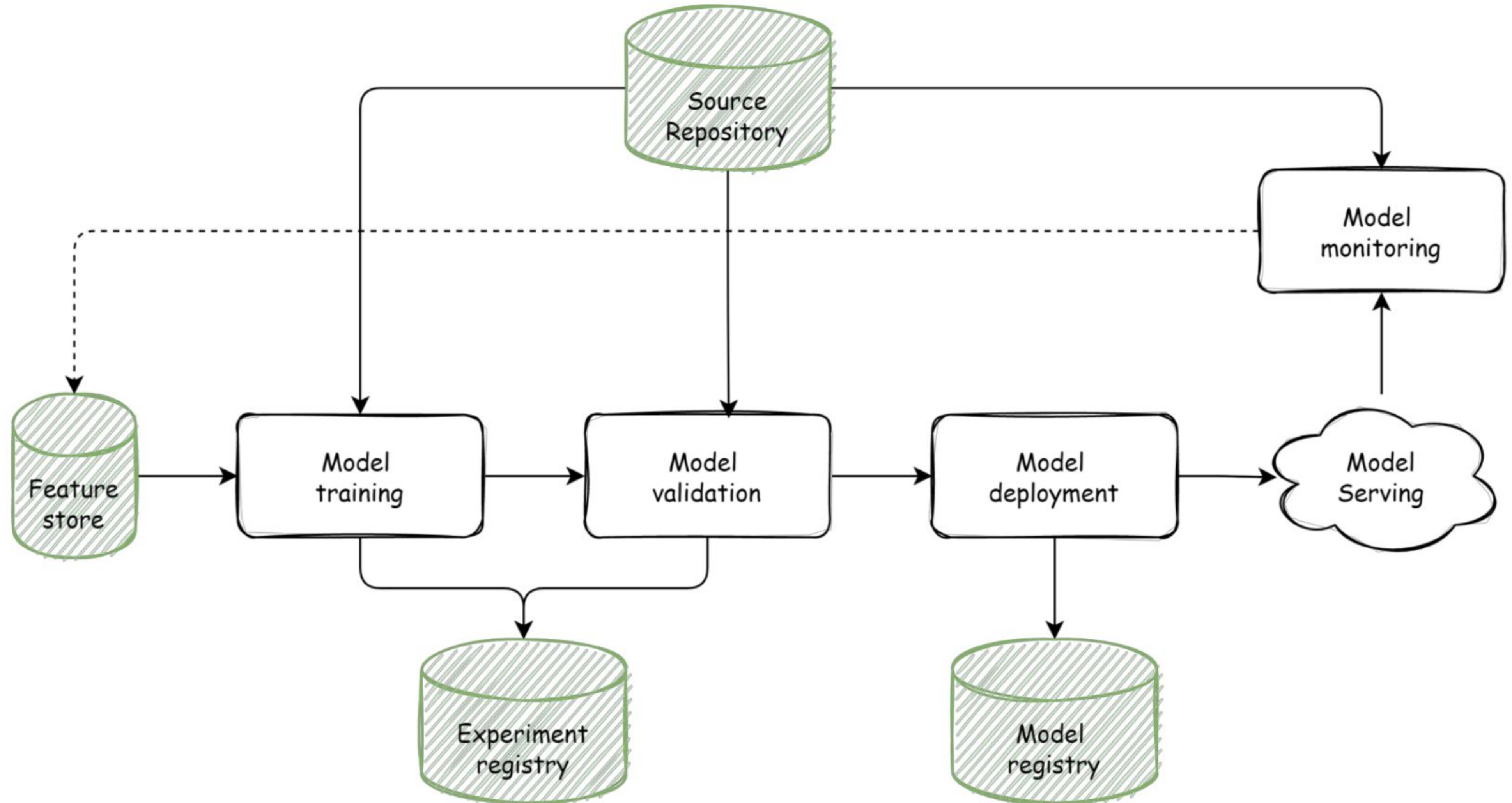


# Automated data pre-processing





# Automated model lifecycle

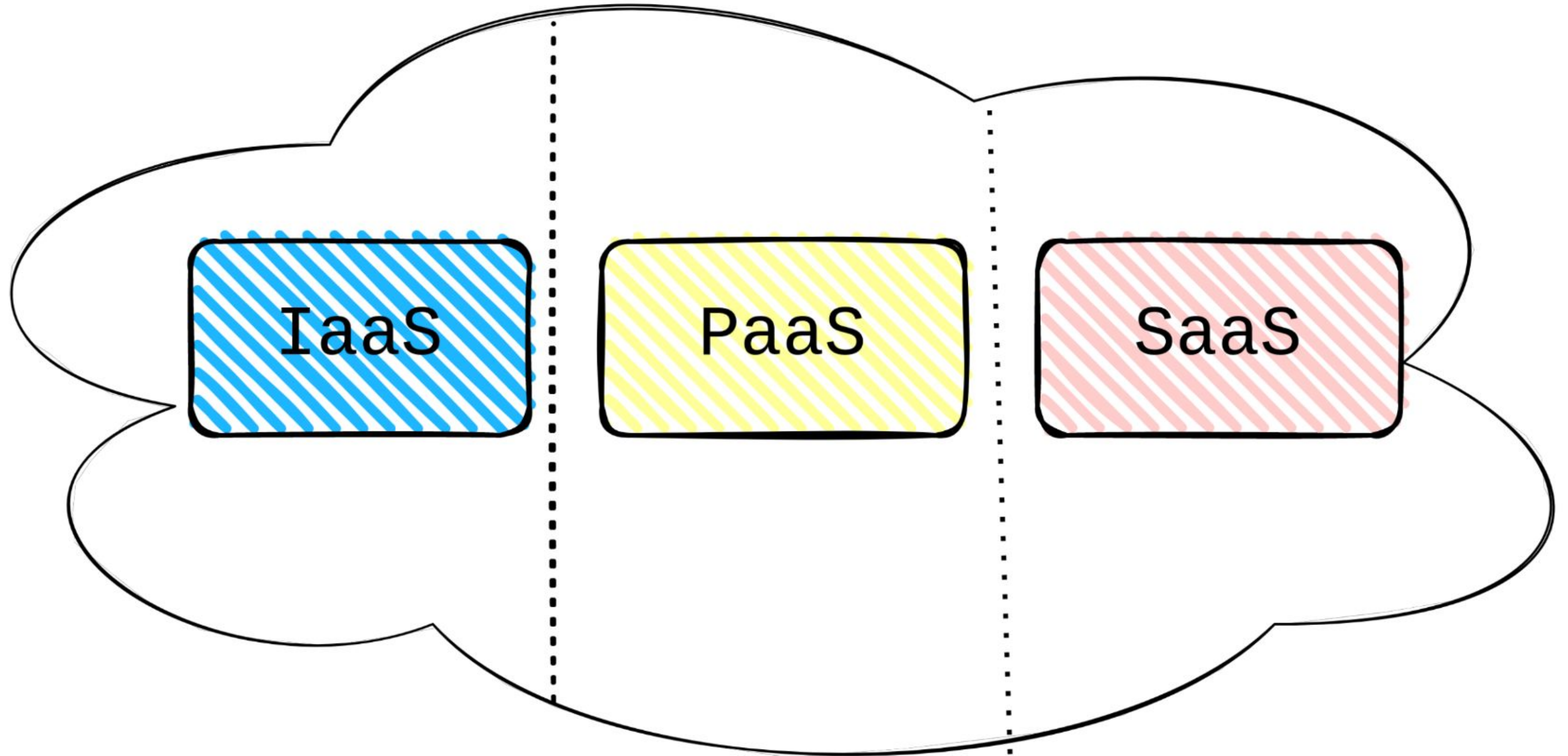




# AWS Cloud

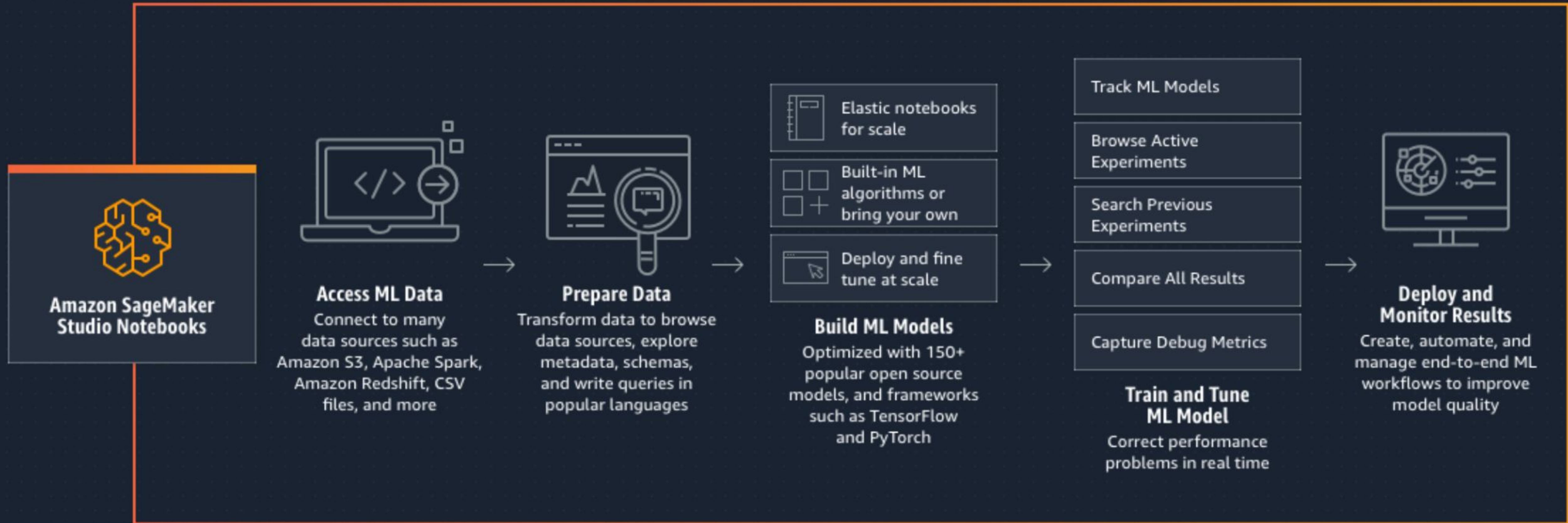


# AWS Cloud basics



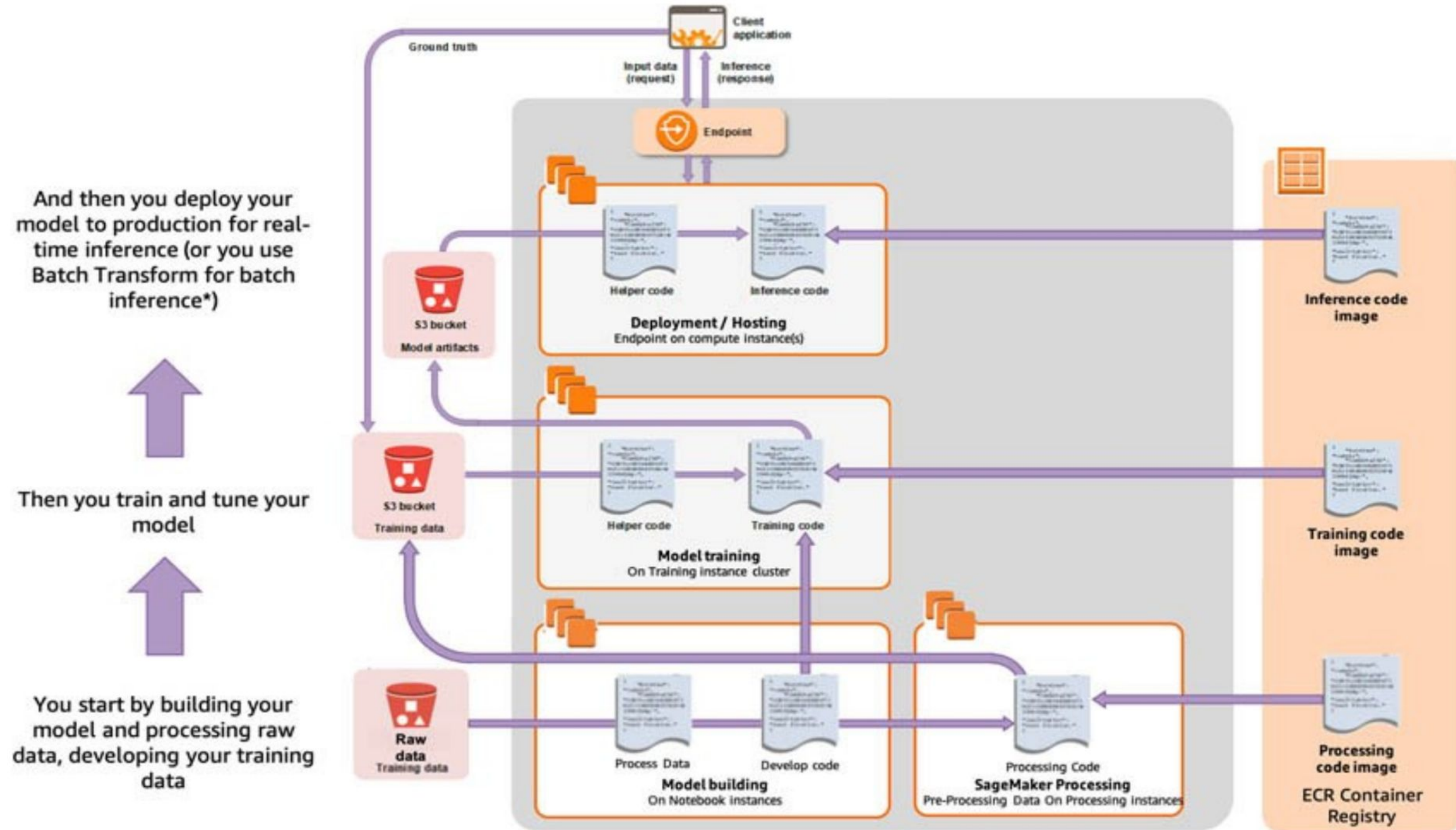


# Sagemaker Components



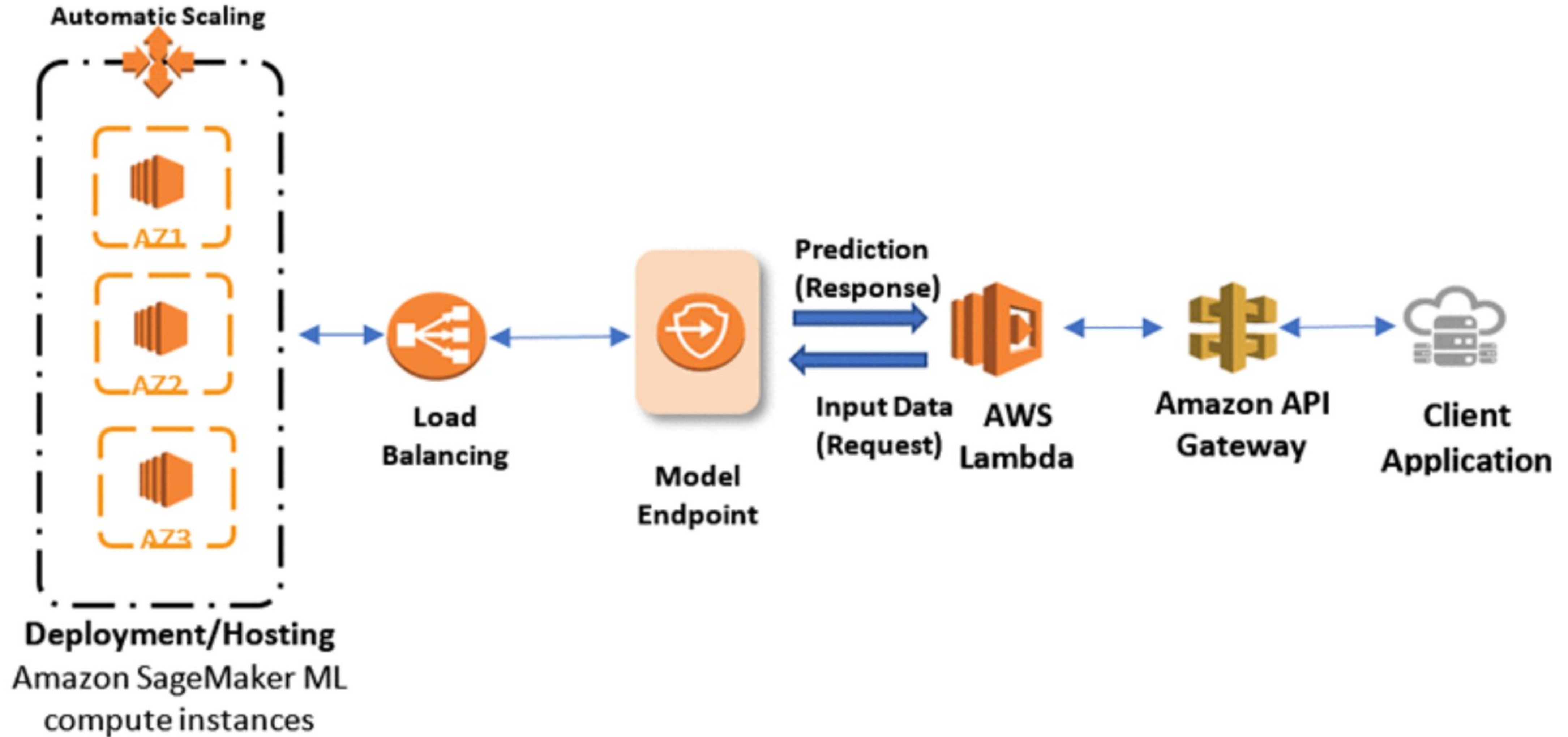


# Sagemaker Training



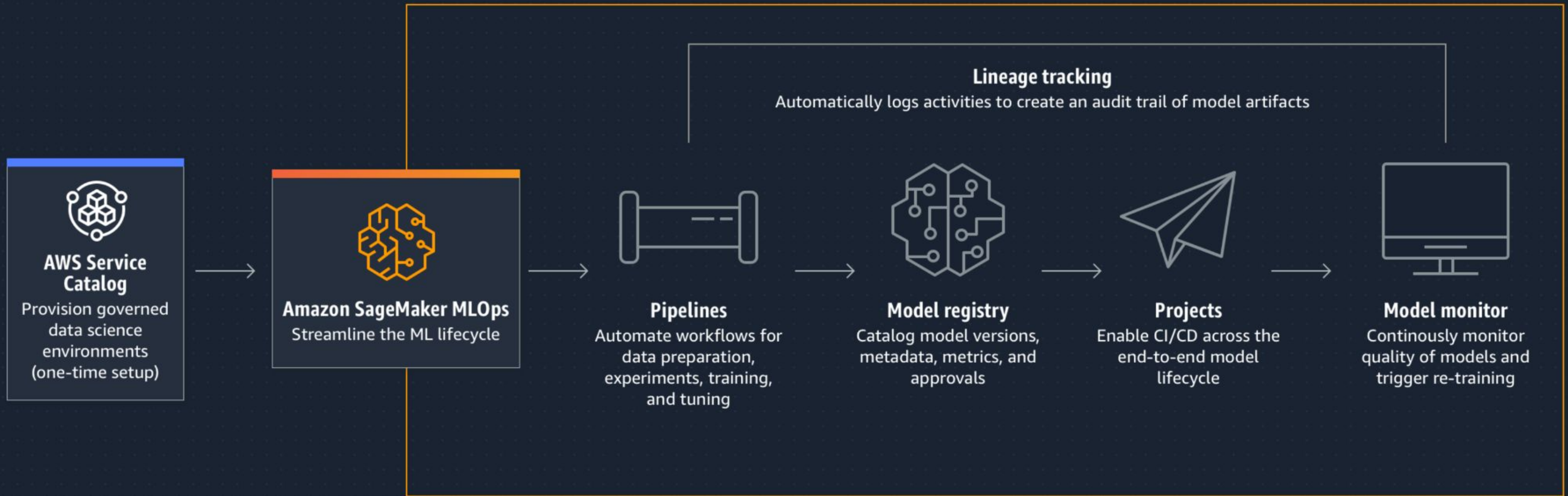


# Sagemaker Endpoint






# AWS MLOps: Sagemaker Studio







**Check the billing!!  
Always.  
All the time.**



**Questions?**