



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**

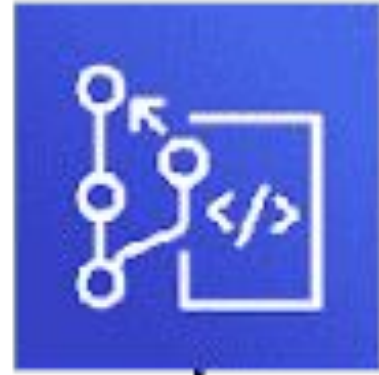
<https://www.besharp.it/>

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

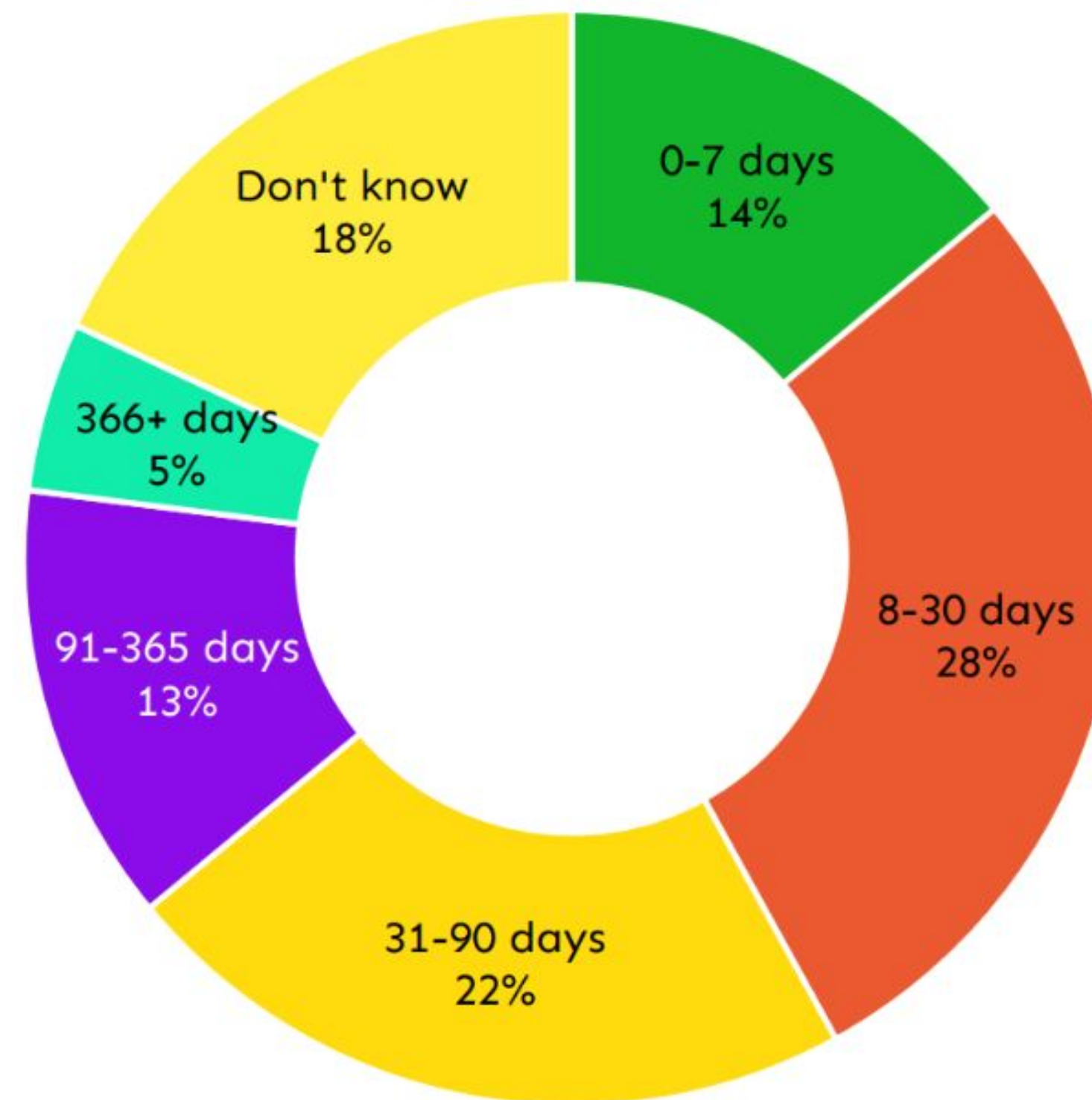
Un esempio pratico



Conclusioni

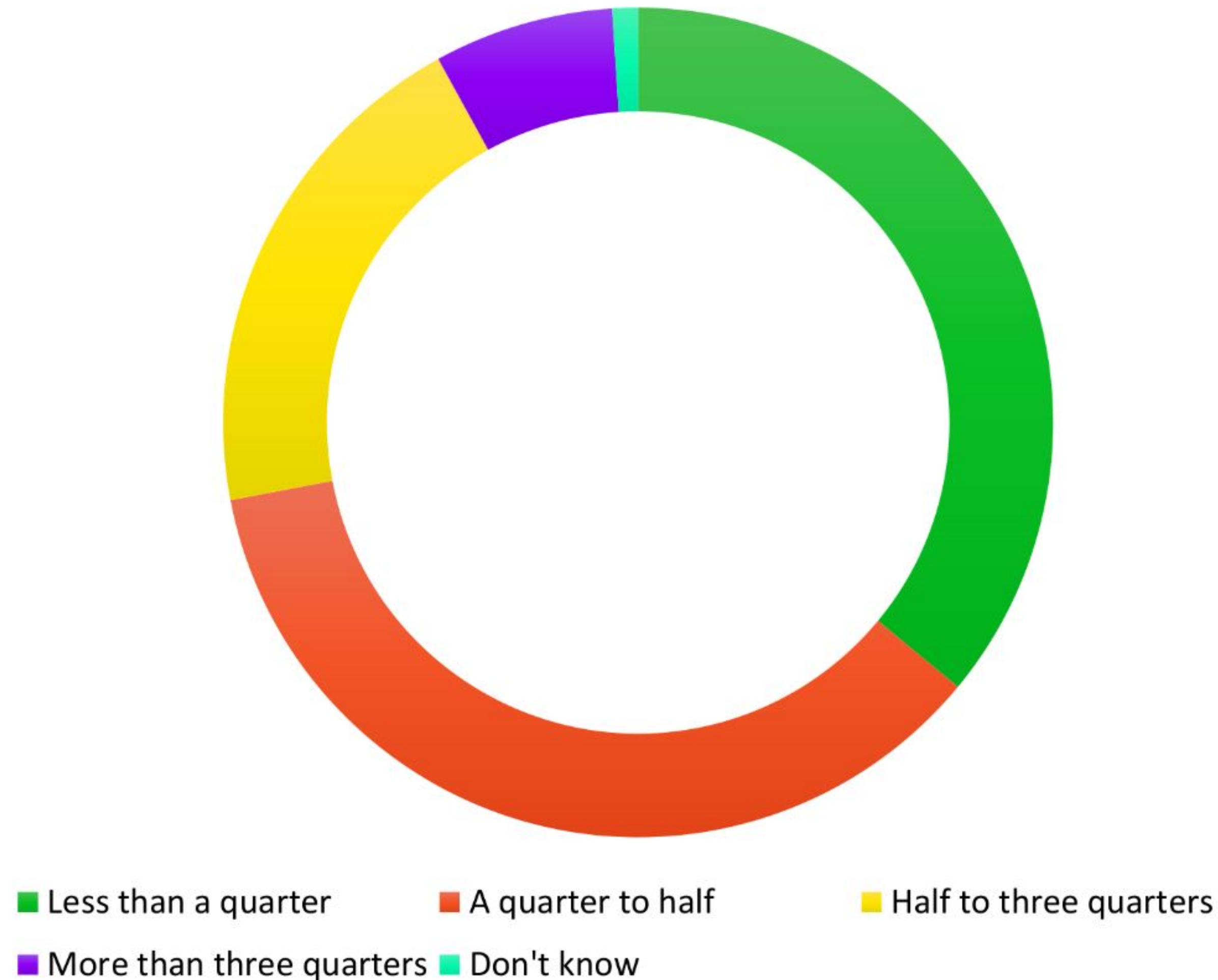
ML Development is slow

Time to ship a new model to production

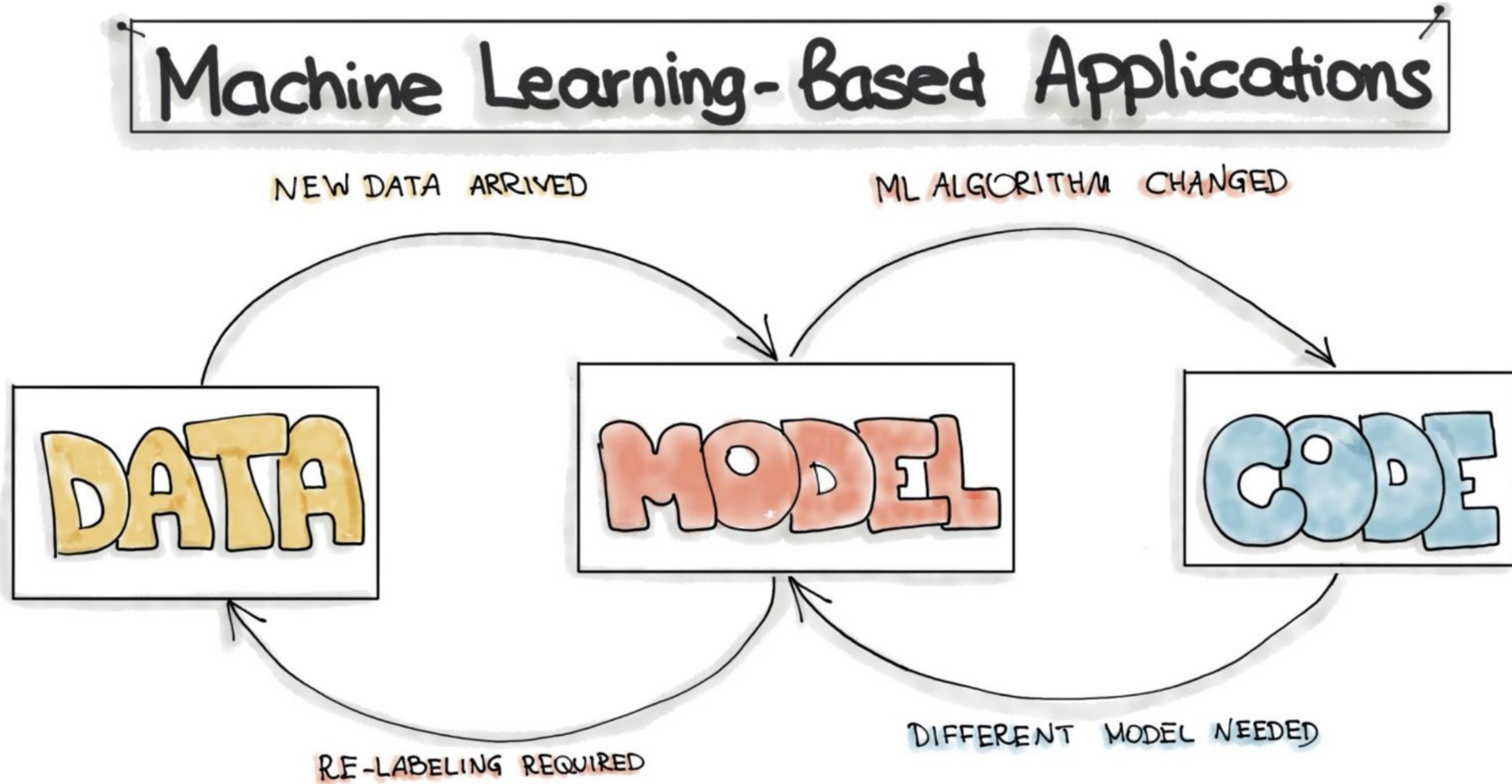


ML Deployment is time-consuming

Share of time spent by data scientists on model deployment



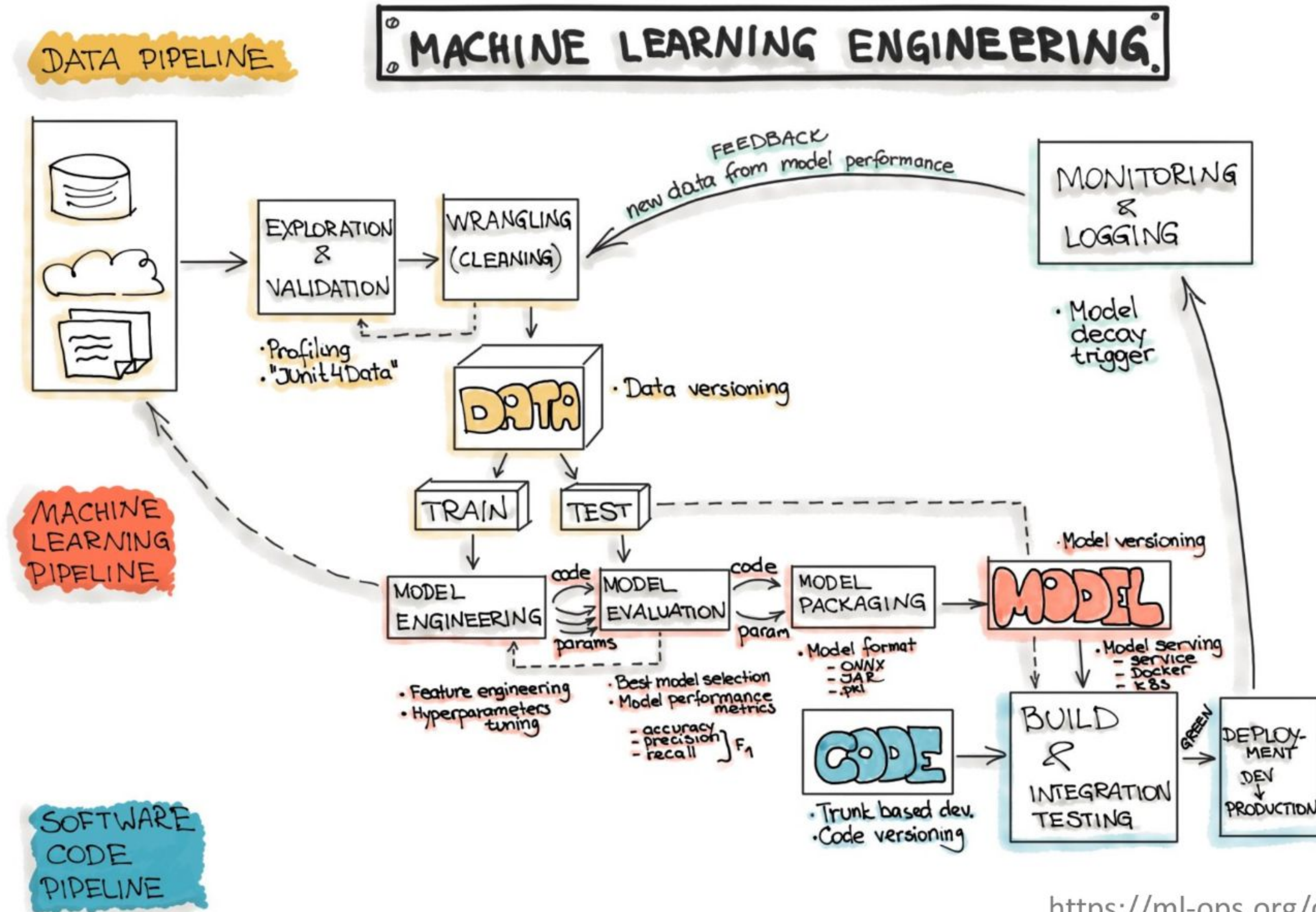
Updates cascade



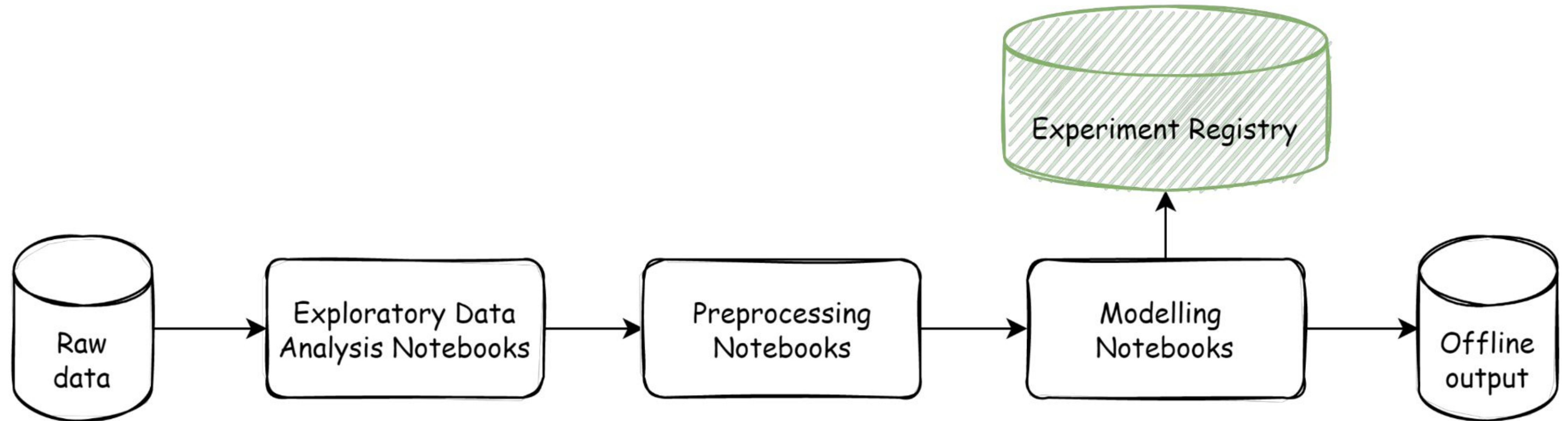
The Machine Learning process



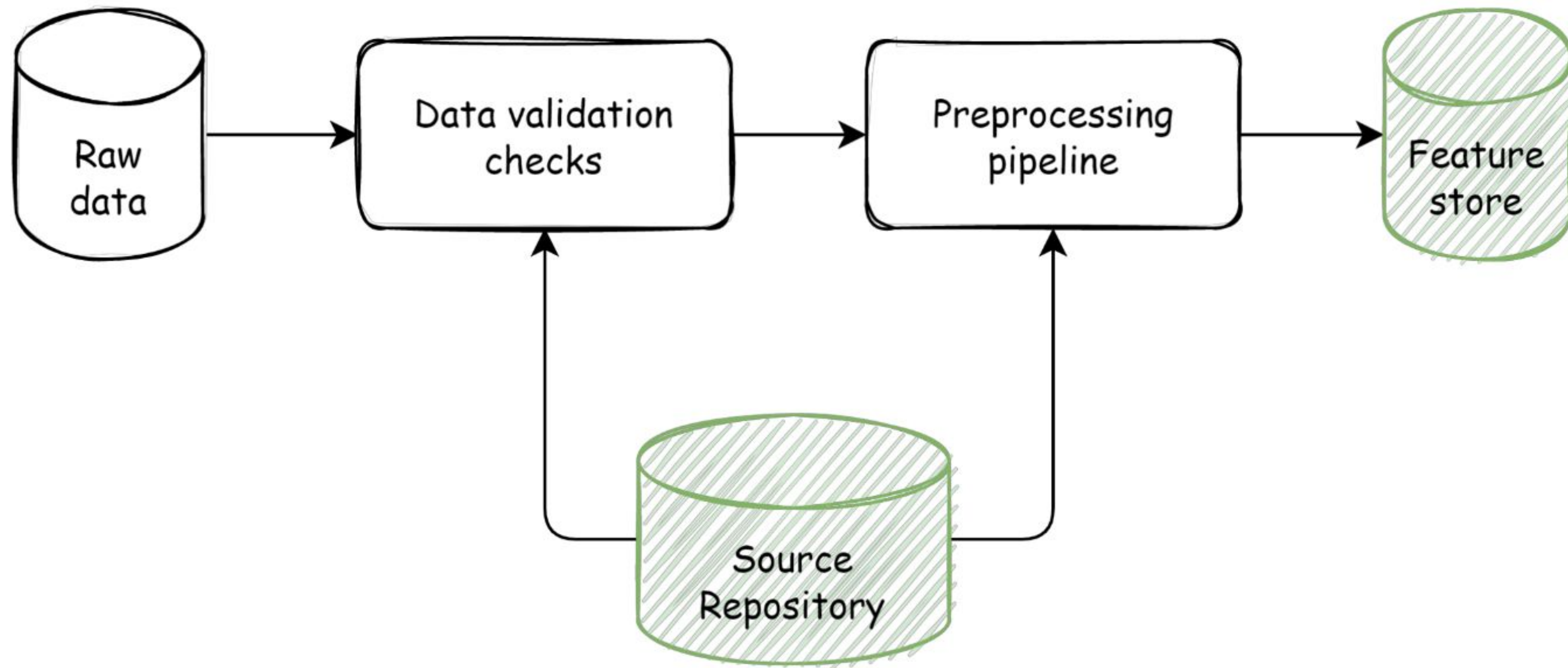
The Machine Learning process



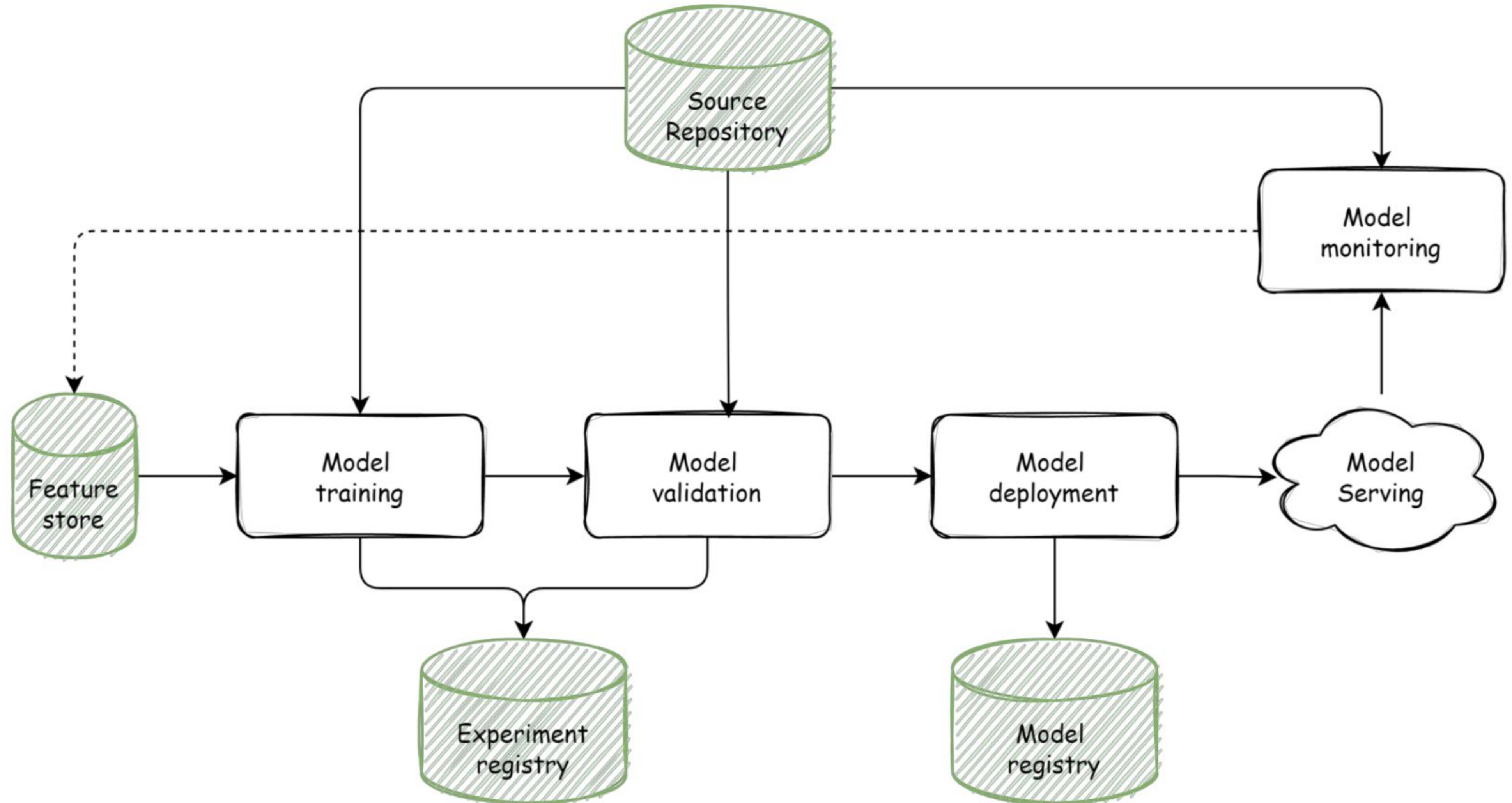
Offline development



Automated data pre-processing

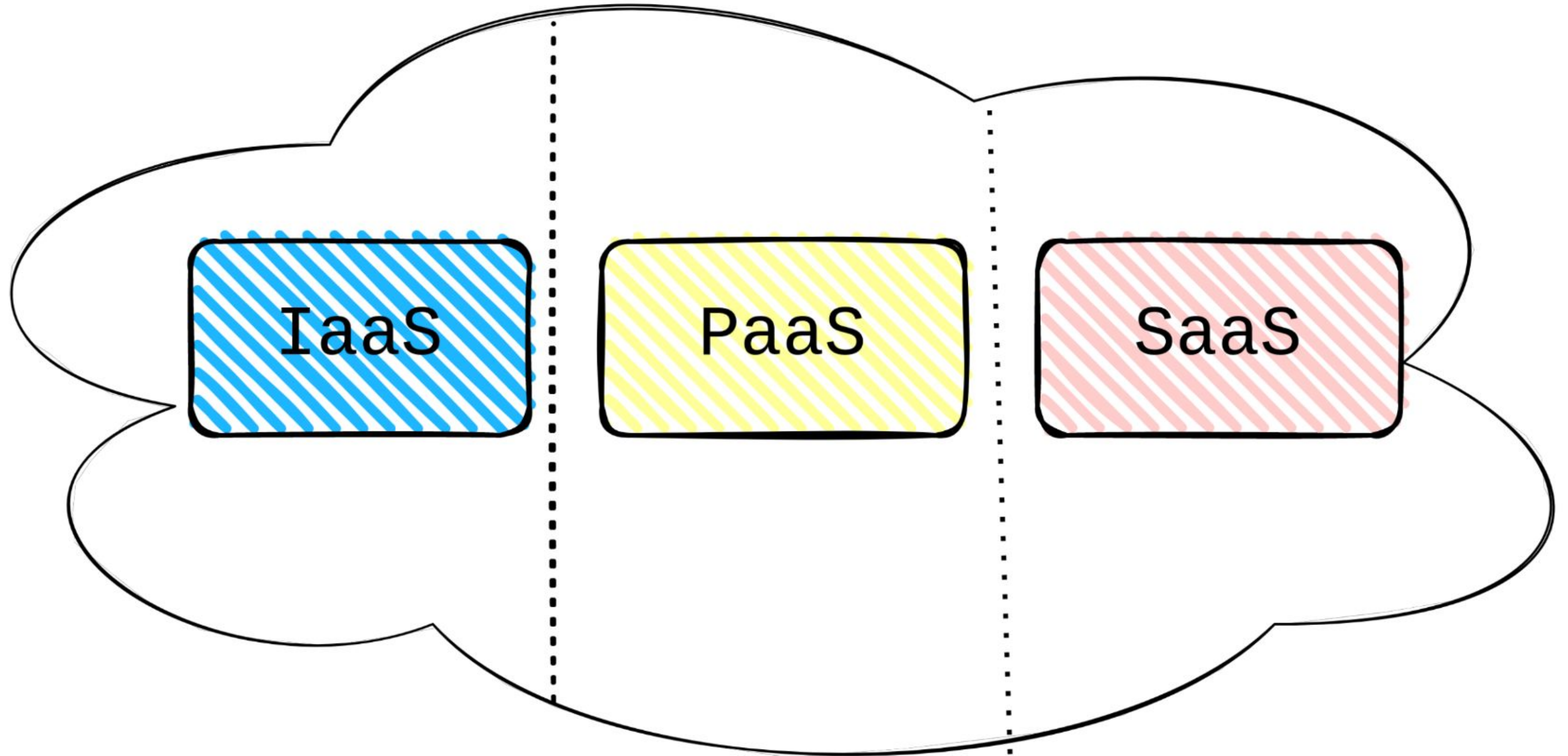


Automated model lifecycle

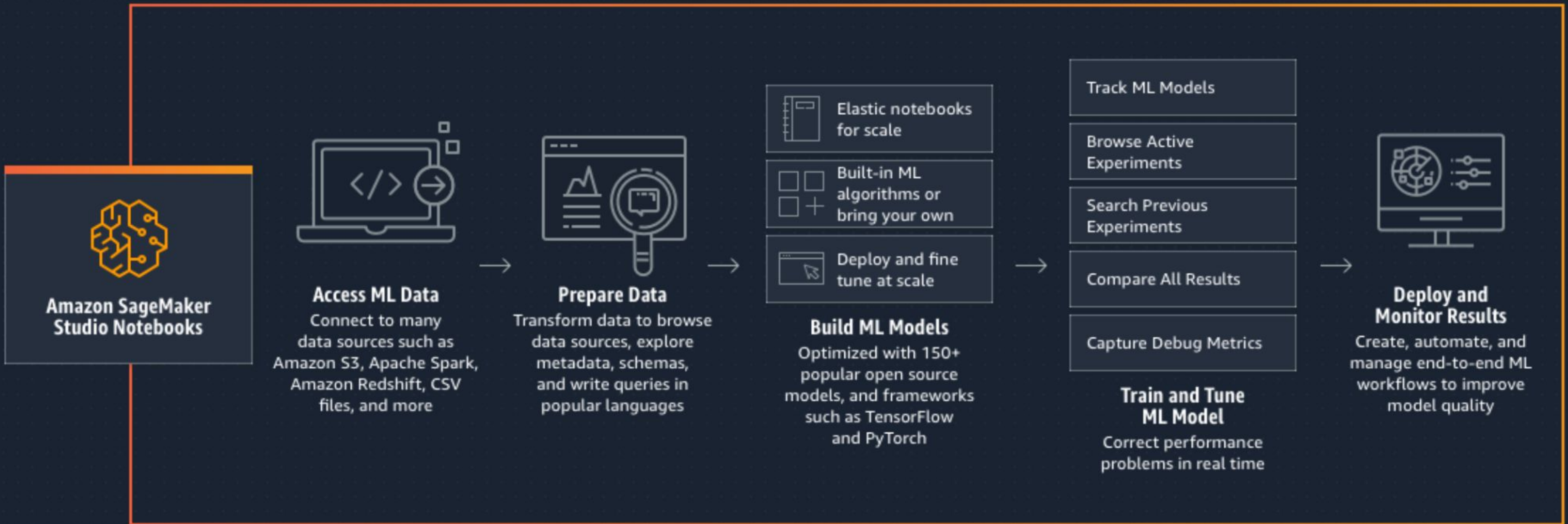


AWS Cloud

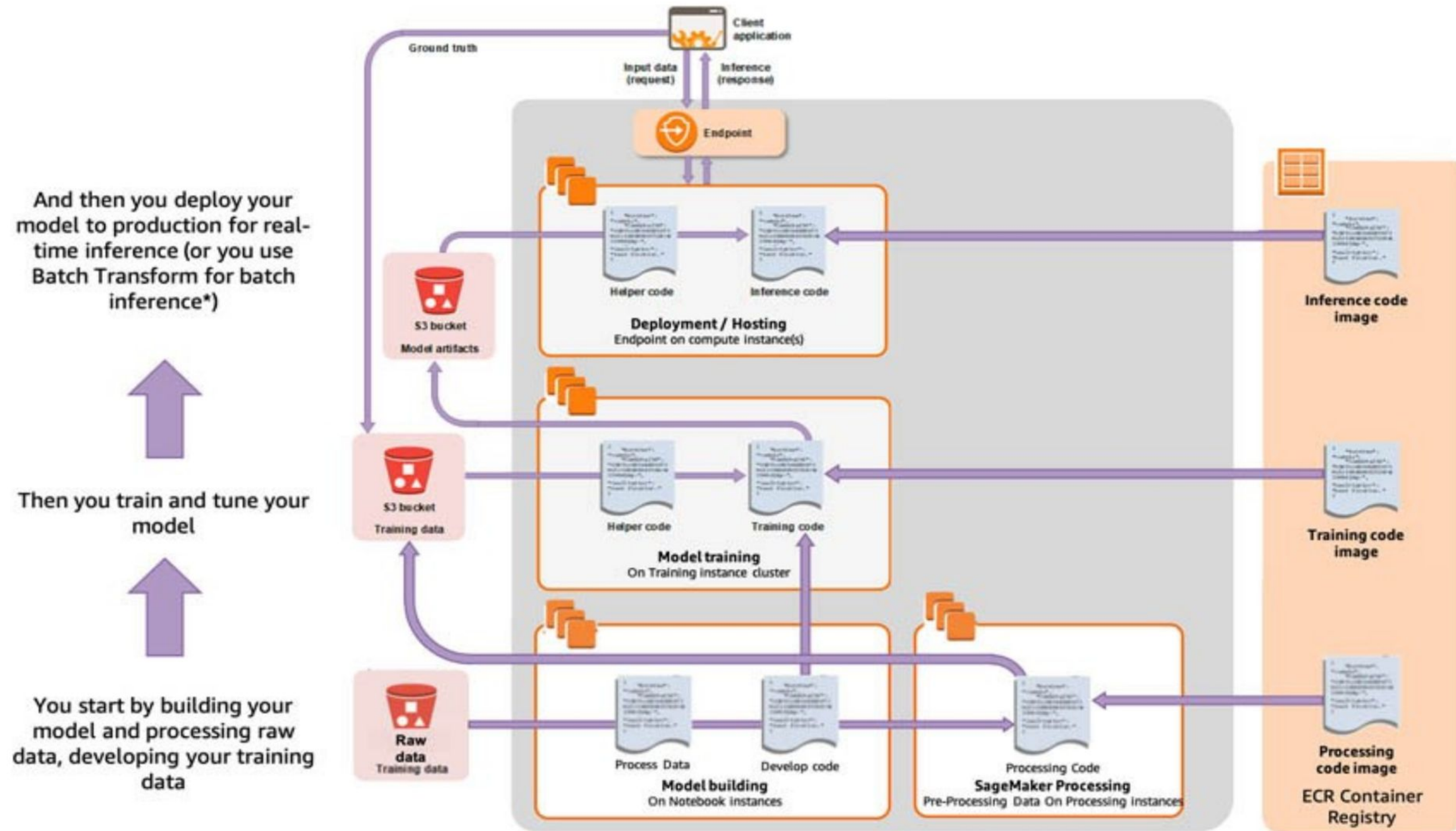
AWS Cloud basics



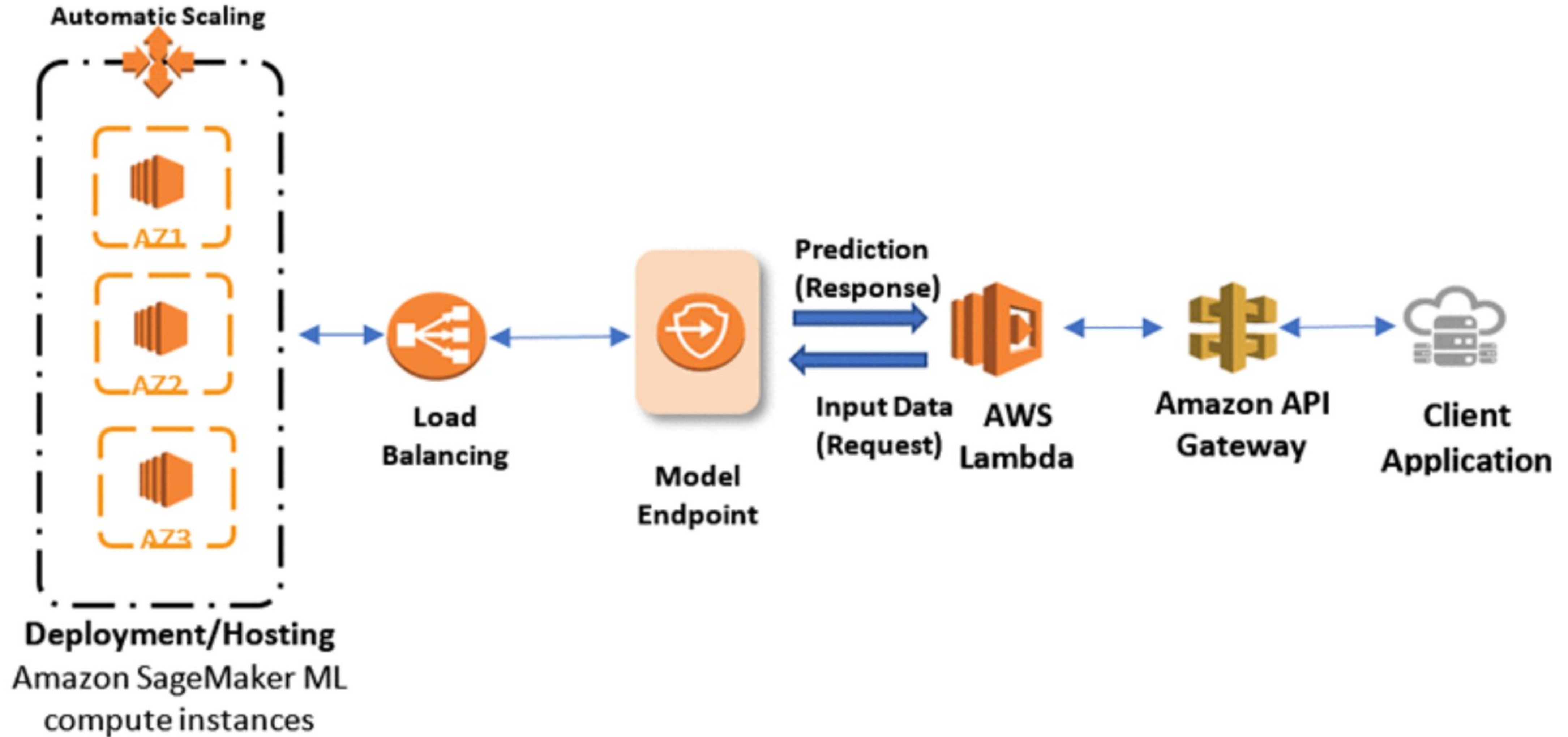
Sagemaker Components



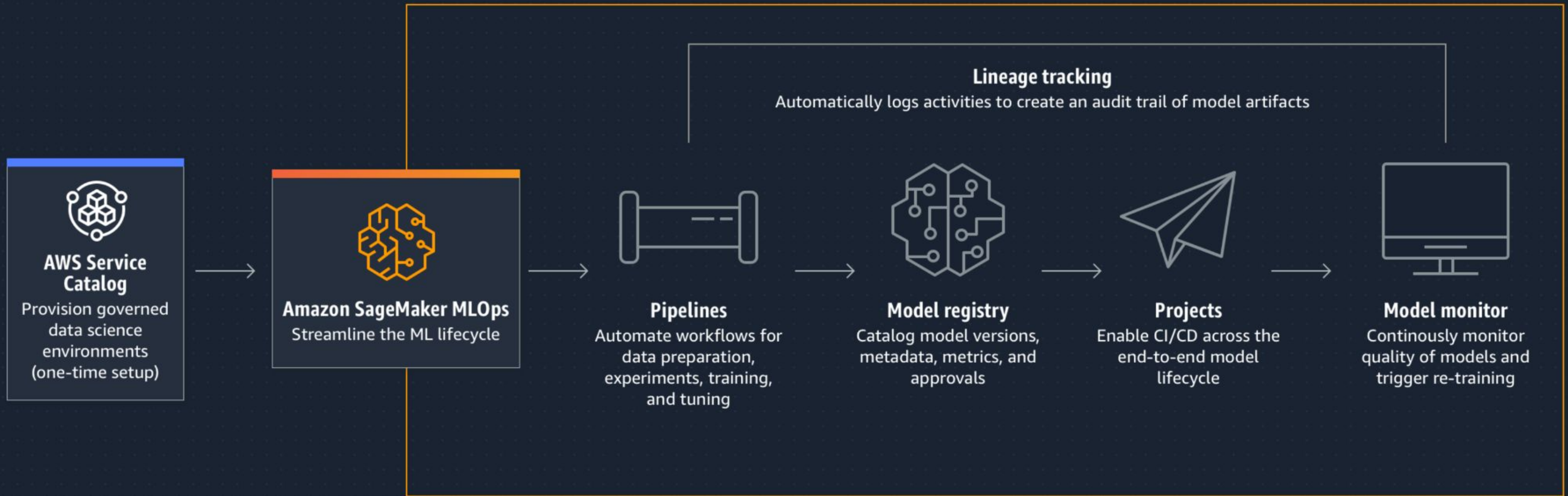
Sagemaker Training




Sagemaker Endpoint



AWS MLOps: Sagemaker Studio





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

https://github.com/besharpsrl/insubria_MLops_2022

Questions?