Build custom deep learning environments with AWS Deep Learning Containers

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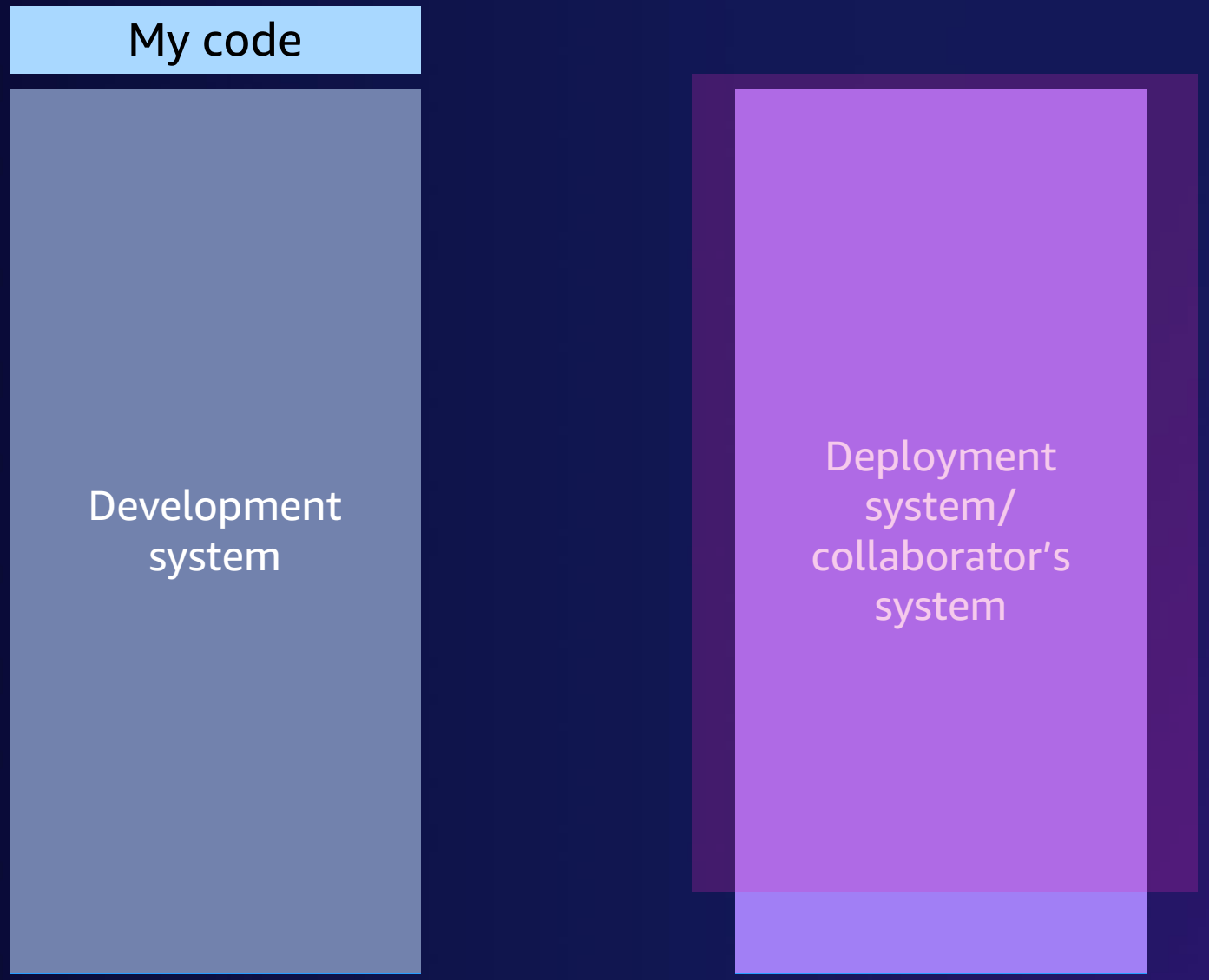
ML stacks are complex



Multiple points of failure

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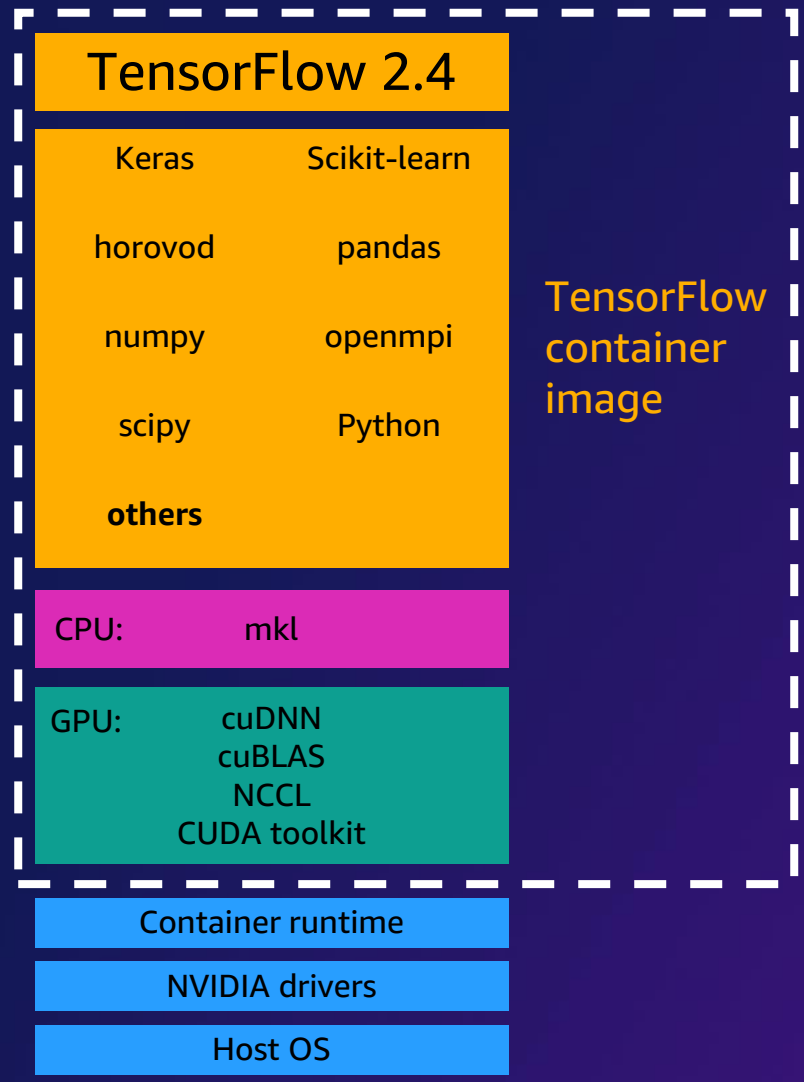
Containers for custom ML environments

Containers for custom ML environments that are

- Lightweight
- Portable
- Scalable
- Consistent

Containers can package

- Training code
- Dependencies
- Configurations



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ML infrastructure and cluster management

Management
Deployment, scheduling, scaling, and management of containerized applications

Amazon Elastic Container Service (Amazon ECS)

Amazon Elastic Kubernetes Service (Amazon EKS)

Compute
Where the containers run

Amazon EC2

Image registry
Container image repository

Amazon Elastic Container Registry (Amazon ECR)

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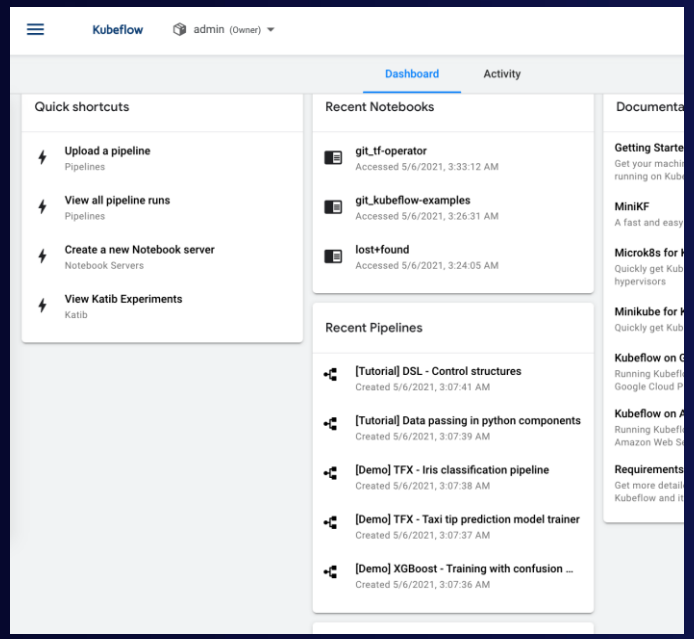
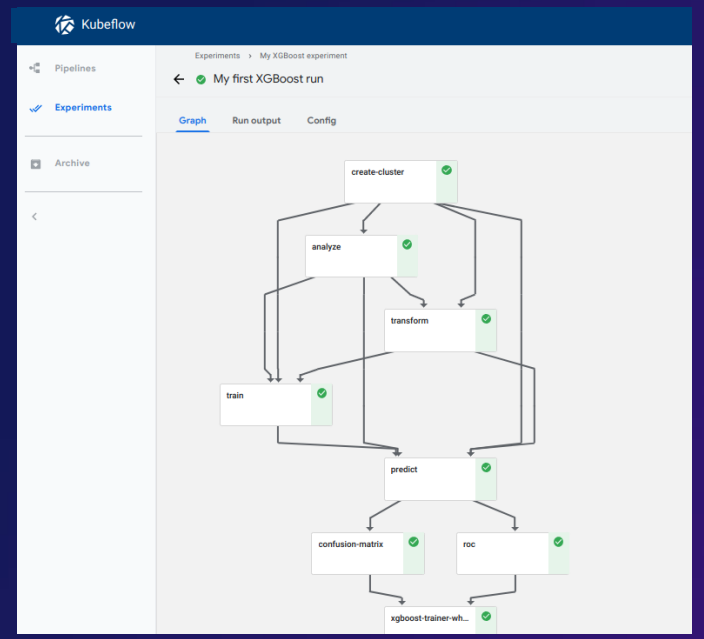
Kubernetes + Kubeflow for ML



Kubeflow



Amazon EKS

Kubeflow relies on Kubernetes to manage infrastructure

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ML services for scaling ML environments

Management

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aws

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Thank you!

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