AWS INNOVATE

ONLINE CONFERENCE 2019

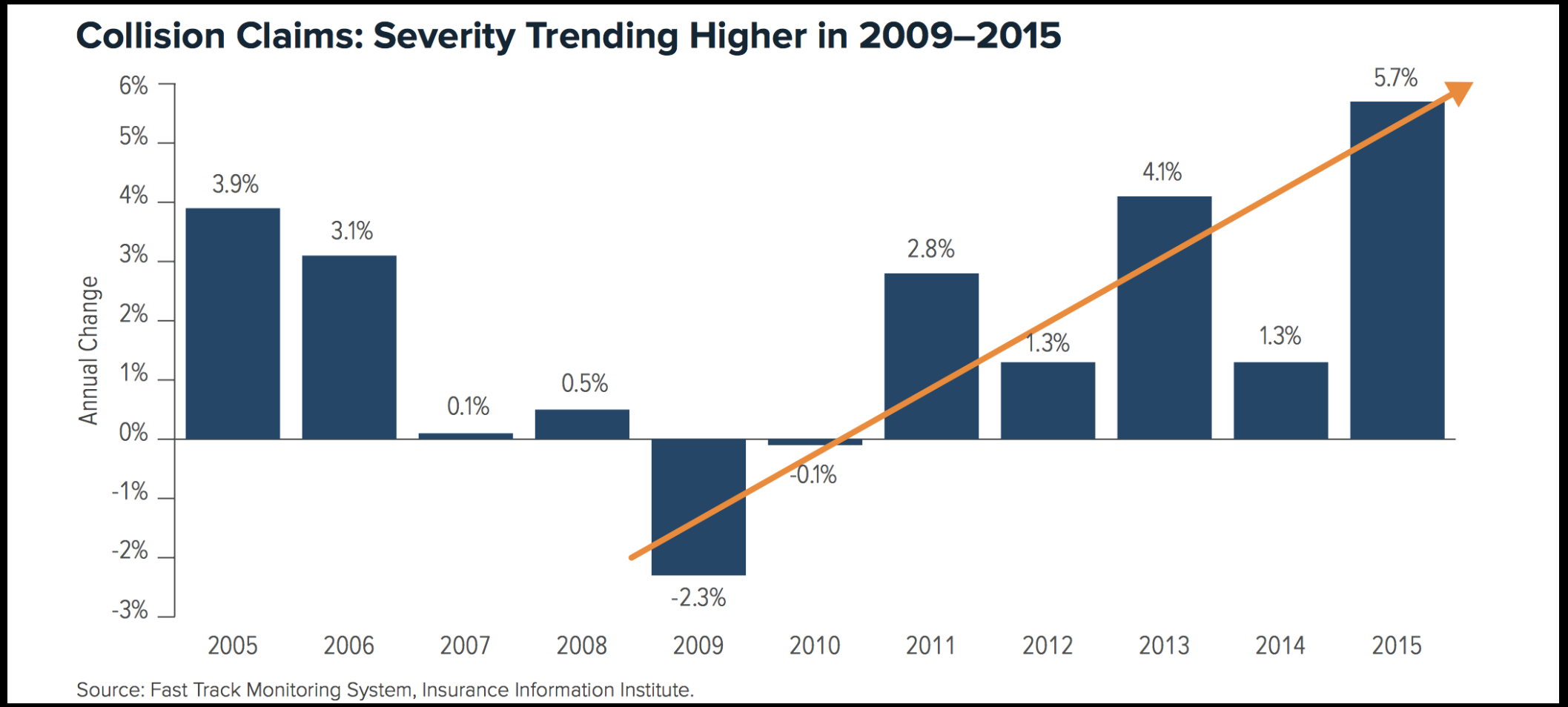
MACHINE LEARNING & AI EDITION

Intelligent Car Damage Assessment

Anand Iyer, Solution Architect, AISPL

aws

Challenges Facing Vehicle Insurers



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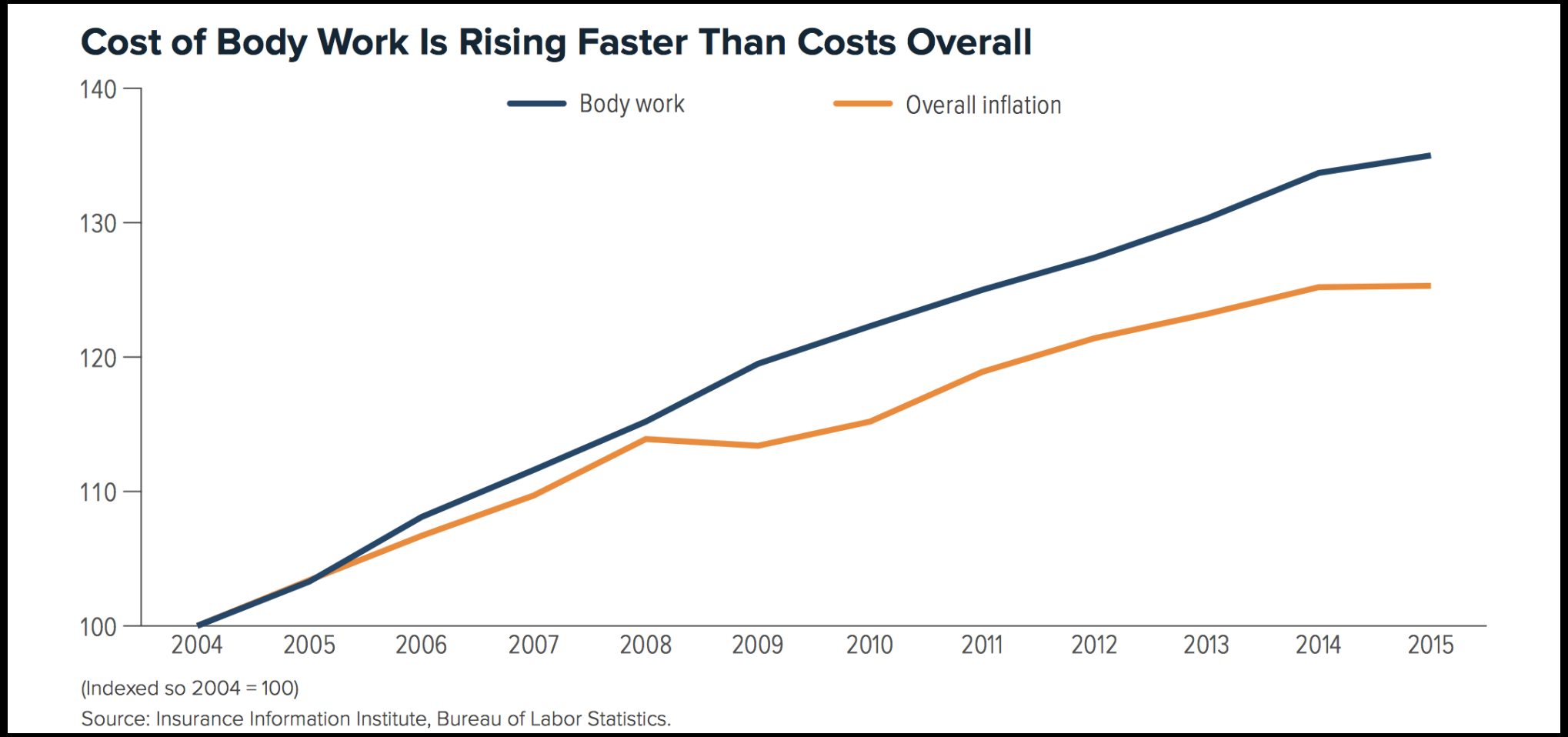
Challenges Facing Vehicle Insurers



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What Problem Are We Trying To Solve?

1. When a vehicle gets damaged in an accident, an insurer has to cover the repair cost
2. However, the estimation for it is done by a body shop, which may overcharge sometimes
3. Furthermore, the estimation process is manual and requires human experts and their time to evaluate the damage

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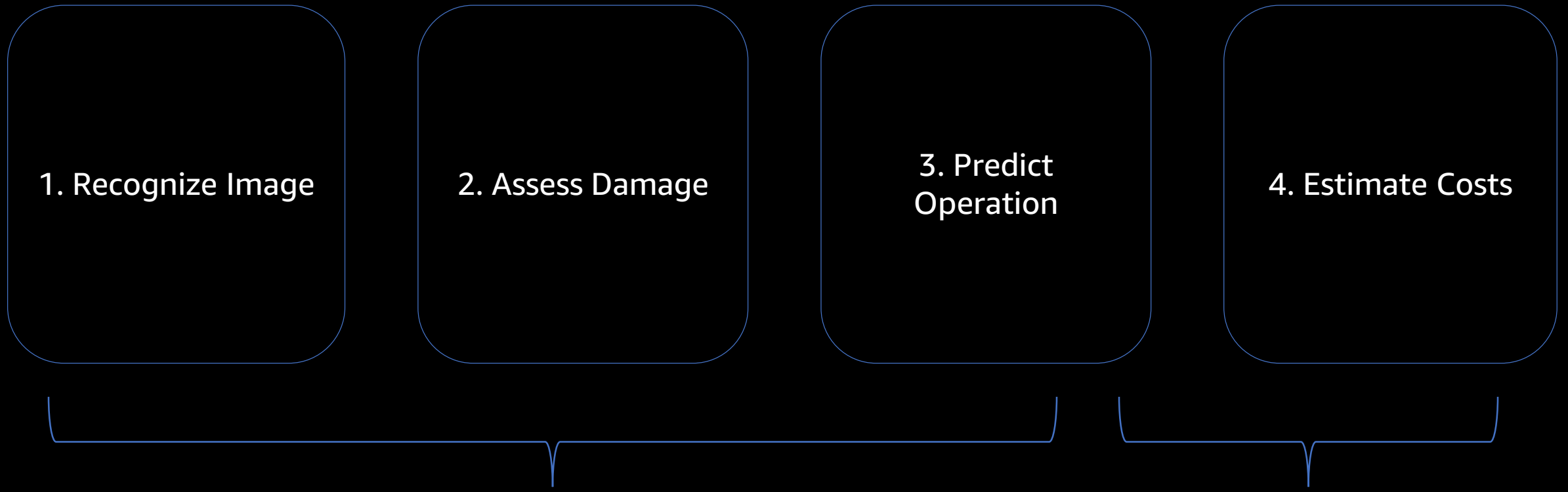
How Do We Solve It?



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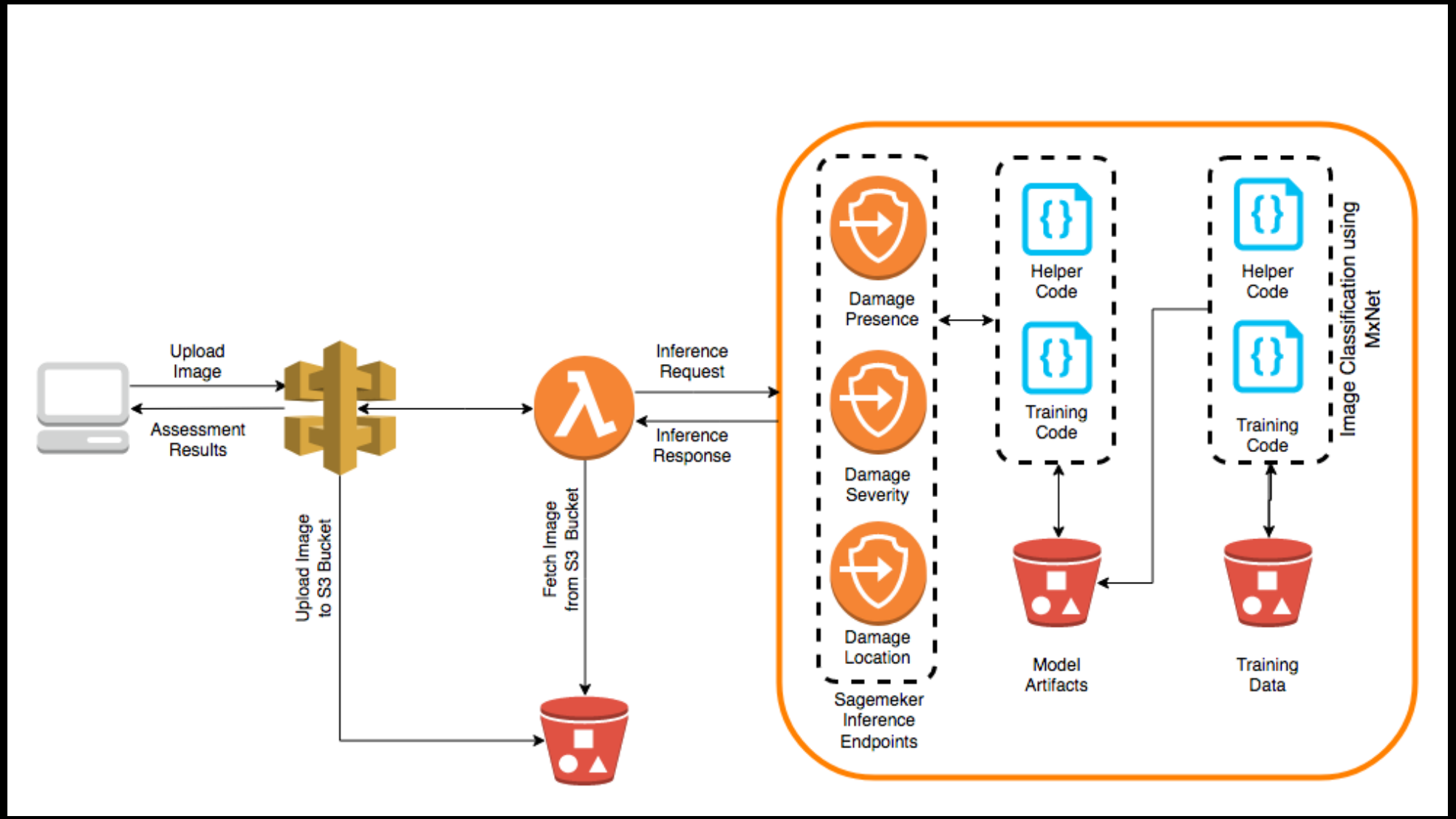
Serverless API Architecture



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Amazon SageMaker: Build, Train, And Deploy ML

Pre-built notebooks for common problems	Built-in, high performance algorithms	One-click training	Optimization	One-click deployment	Fully managed with auto-scaling
Choose your ML algorithm	Optimize your ML algorithm	Set up and manage environments for training	Train and tune model (trial and error)	Deploy model in production	Scale and manage the production environment

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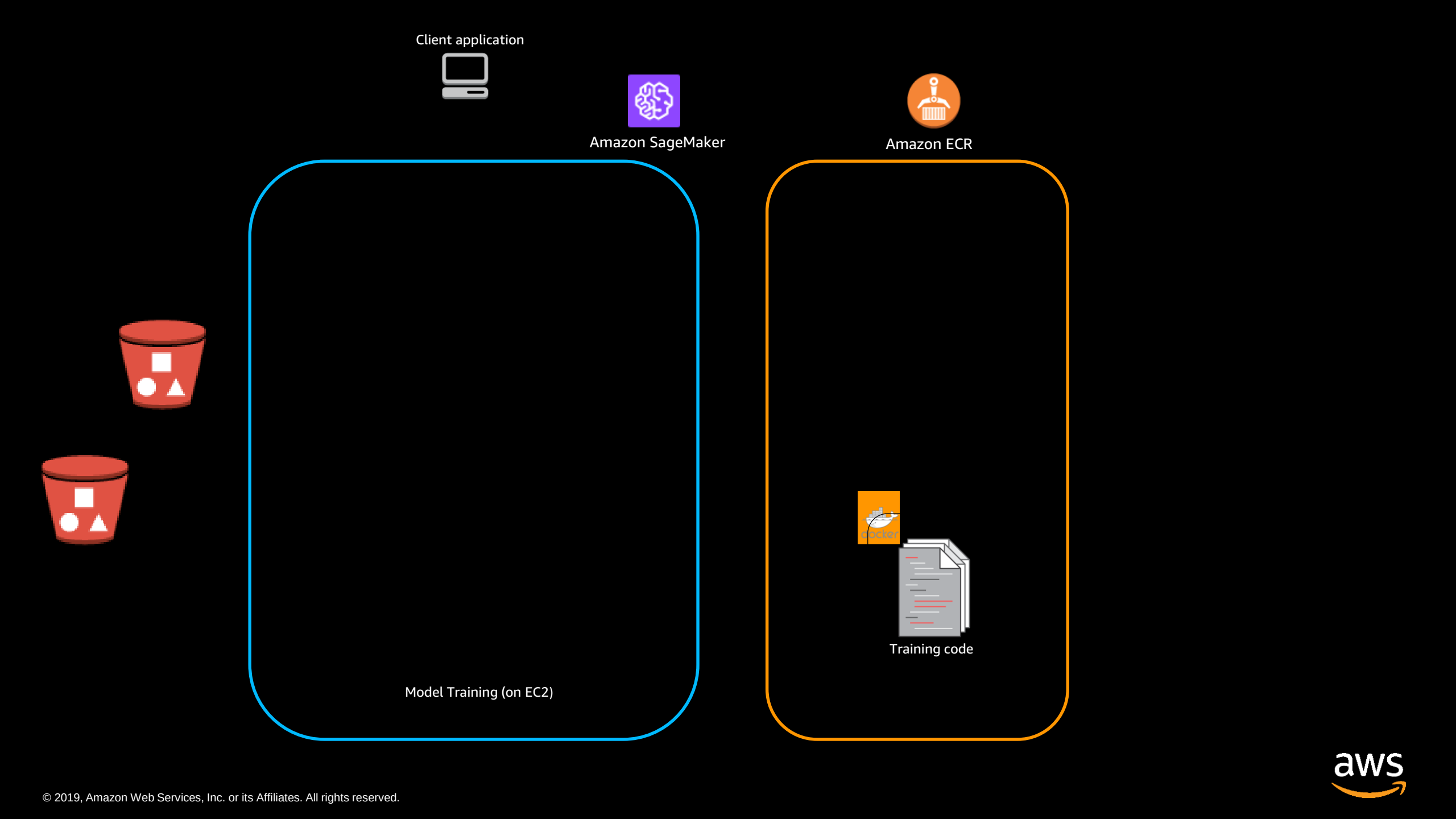

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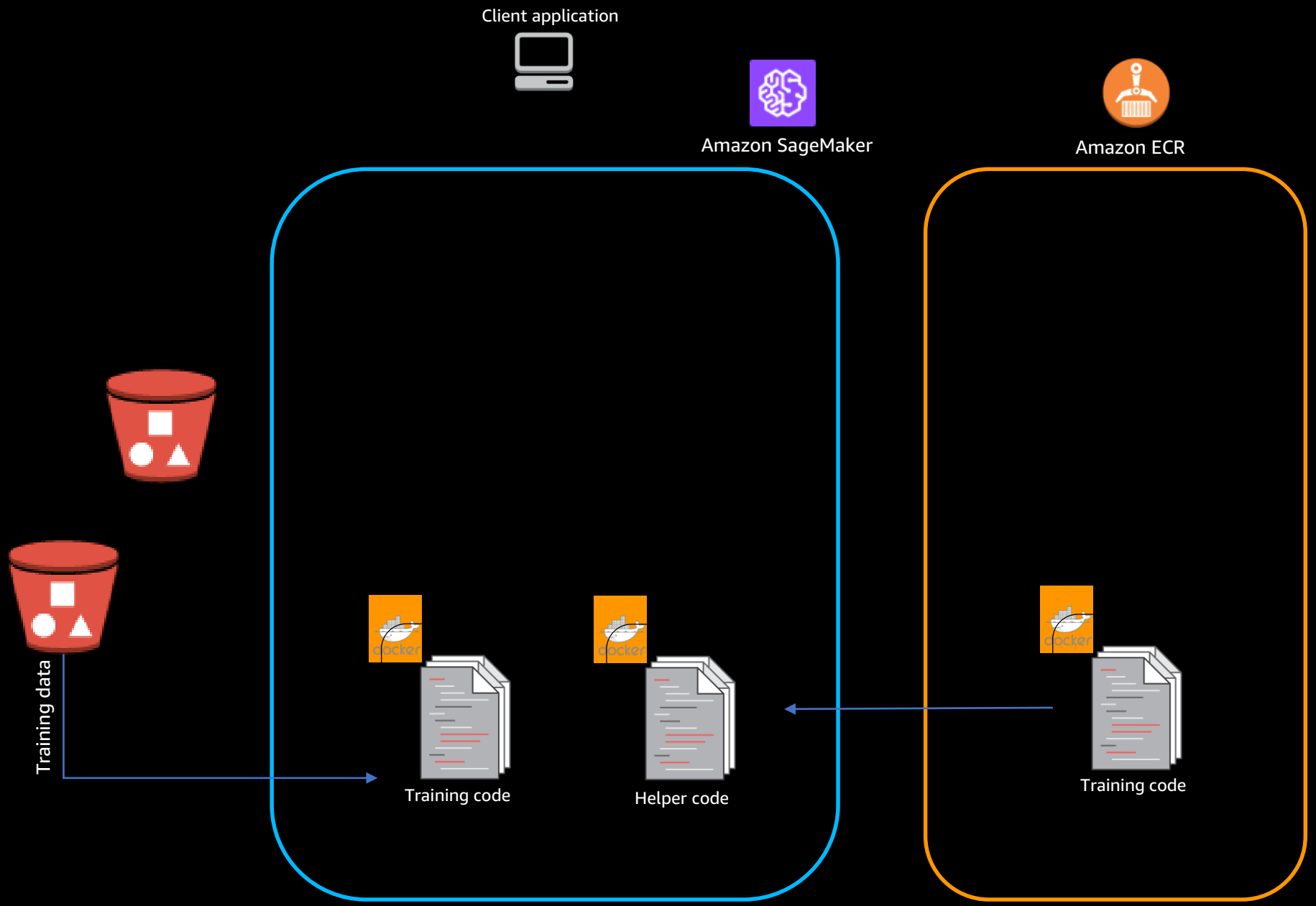

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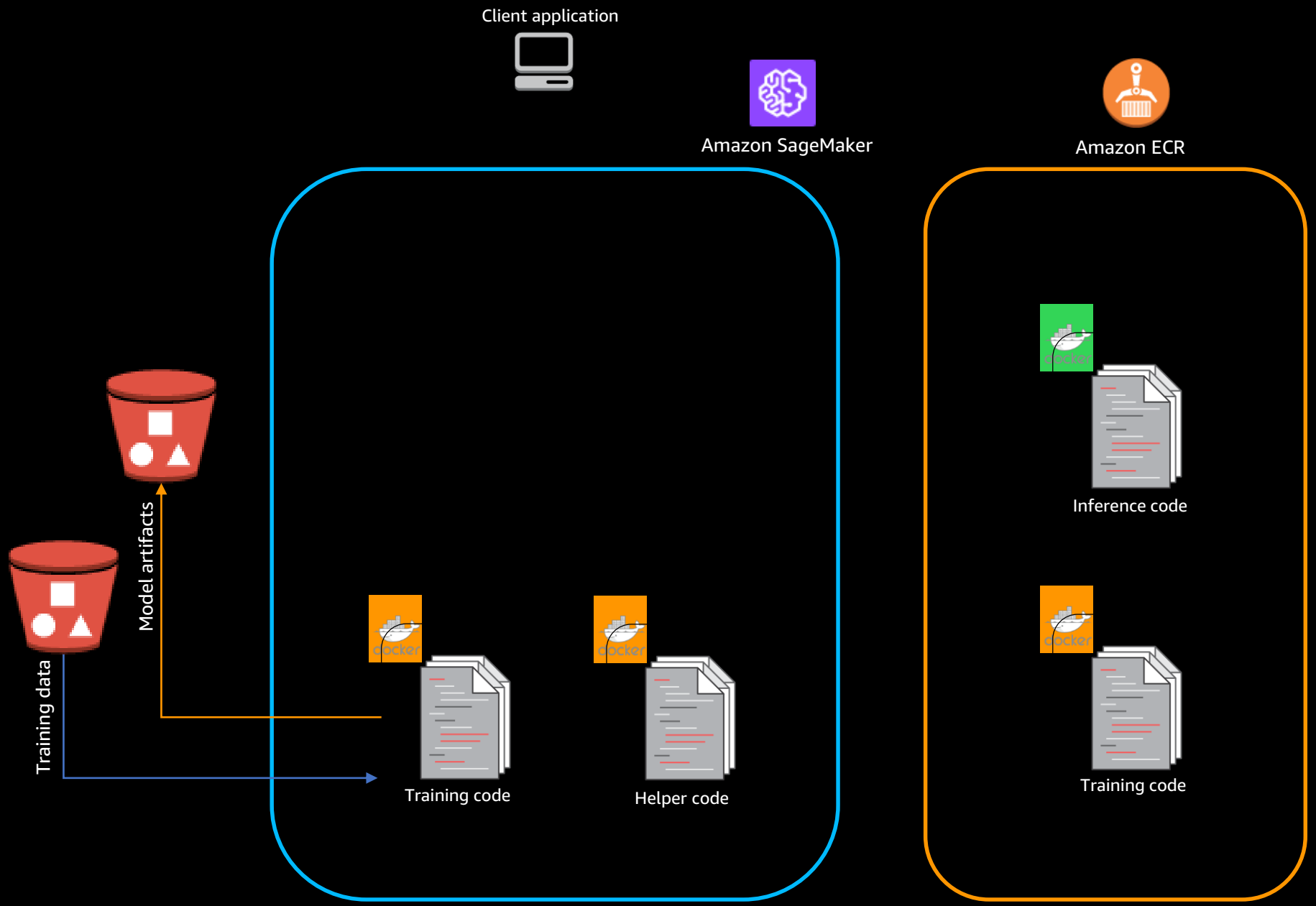

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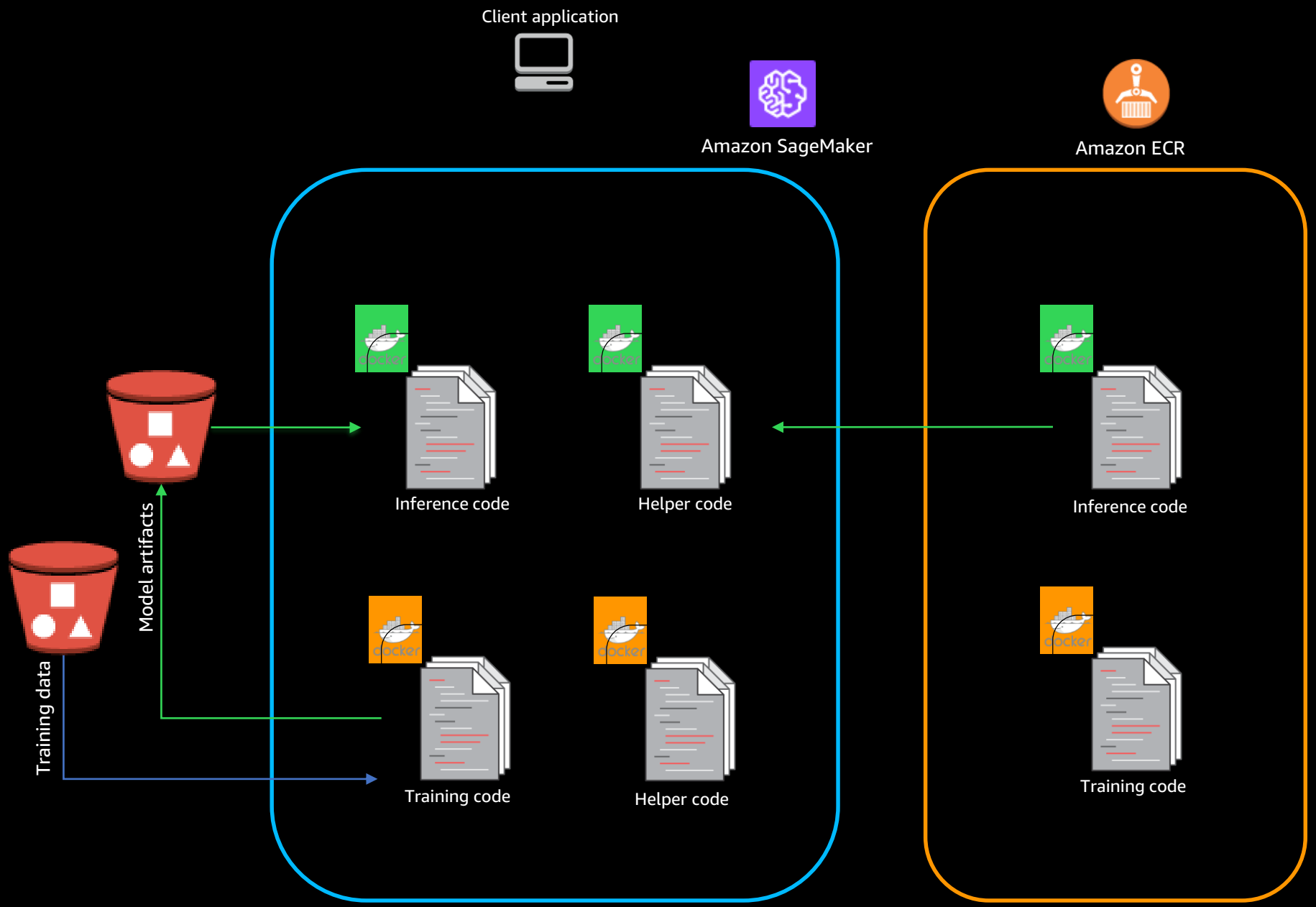

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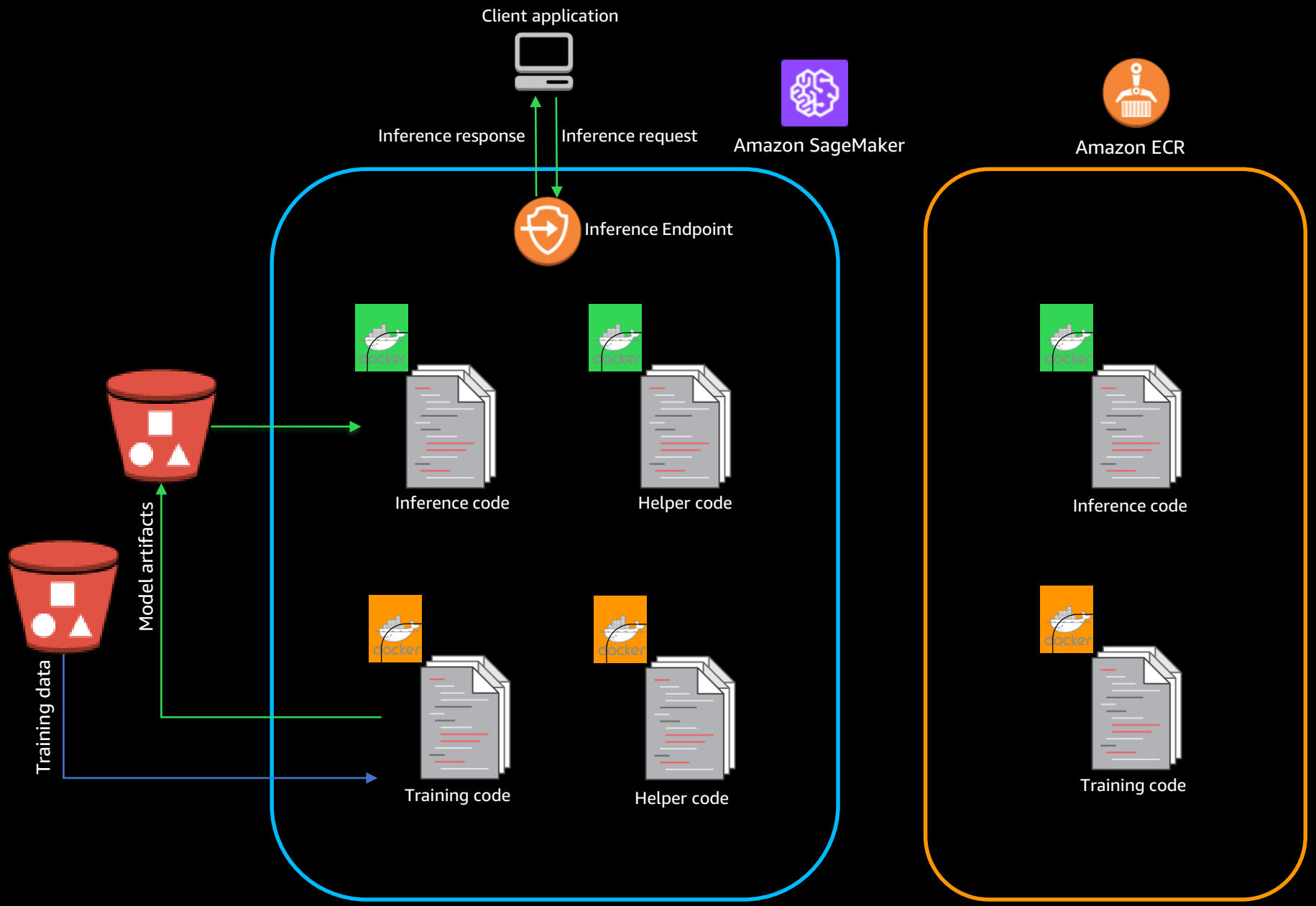

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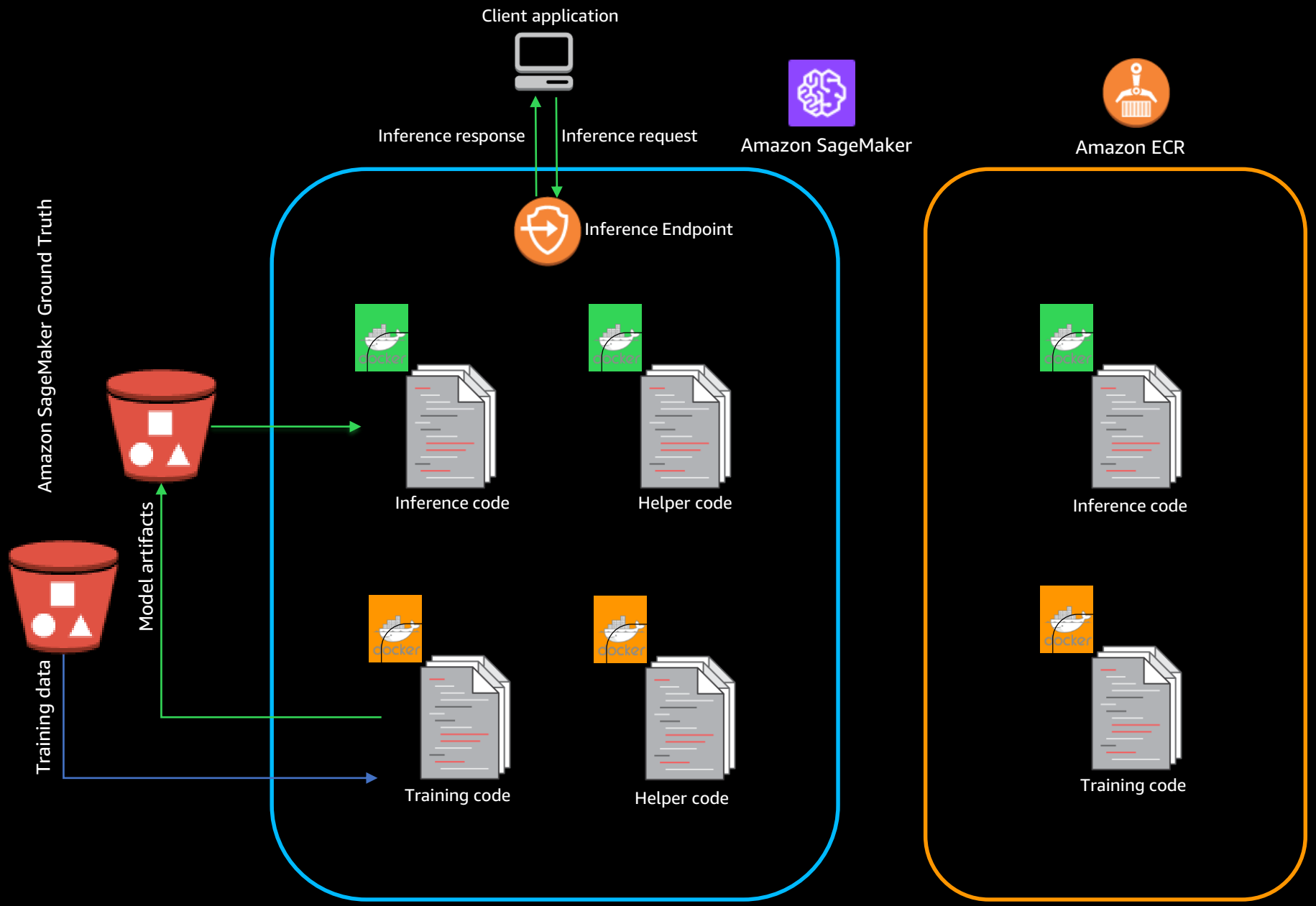

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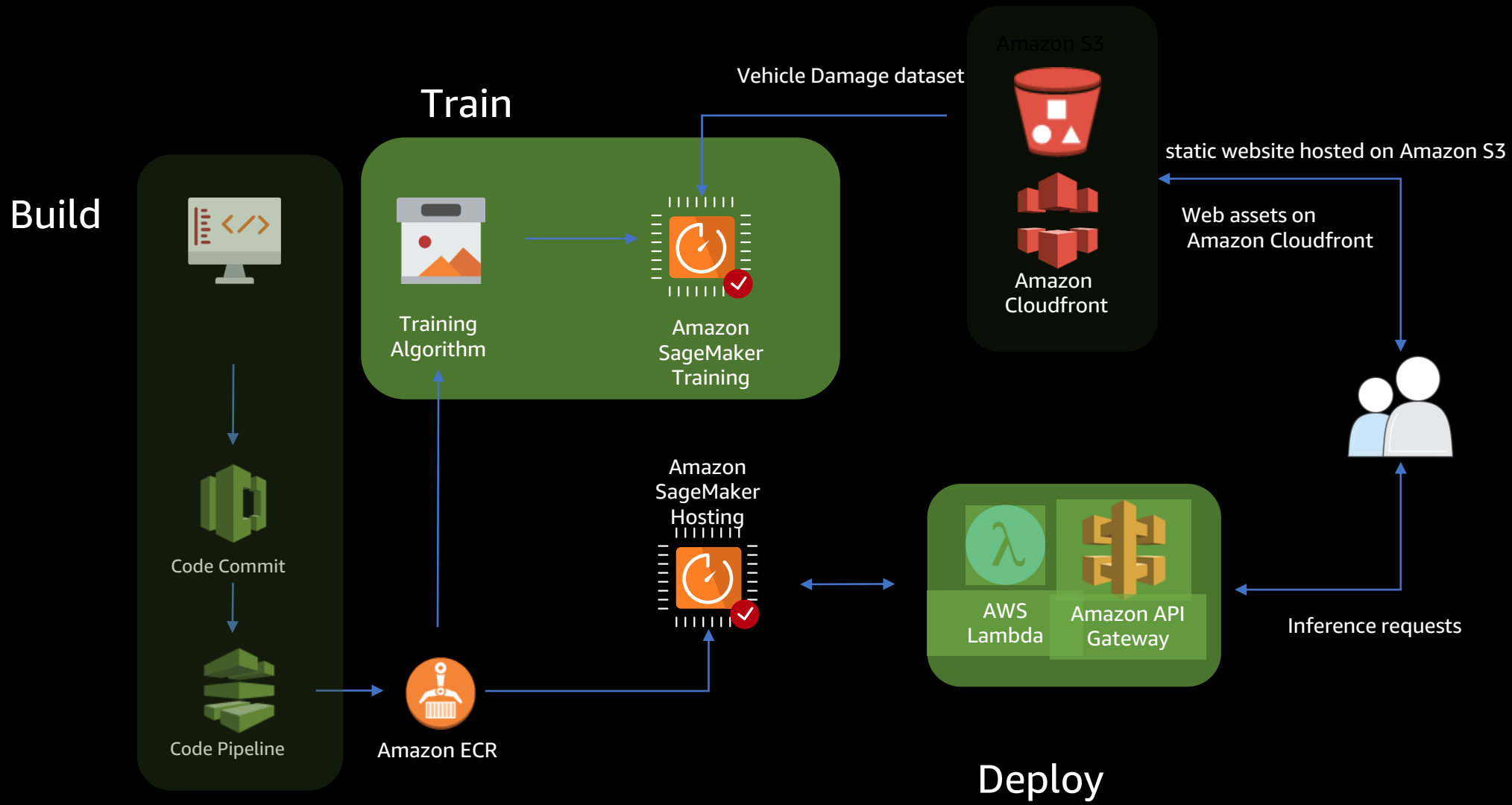
Amazon SageMaker Sample End-to-End Architecture: Image Classification



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