
AWS
re:Invent
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AIM344

Define user permissions and gain insights into your ML models

Giuseppe Zappia

Senior Solutions Architect
AWS

Ram Vittal

Principal AI/ML Solutions Architect
AWS

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Agenda

Why ML governance?

Challenges

Overview and demos of new features

Q&A

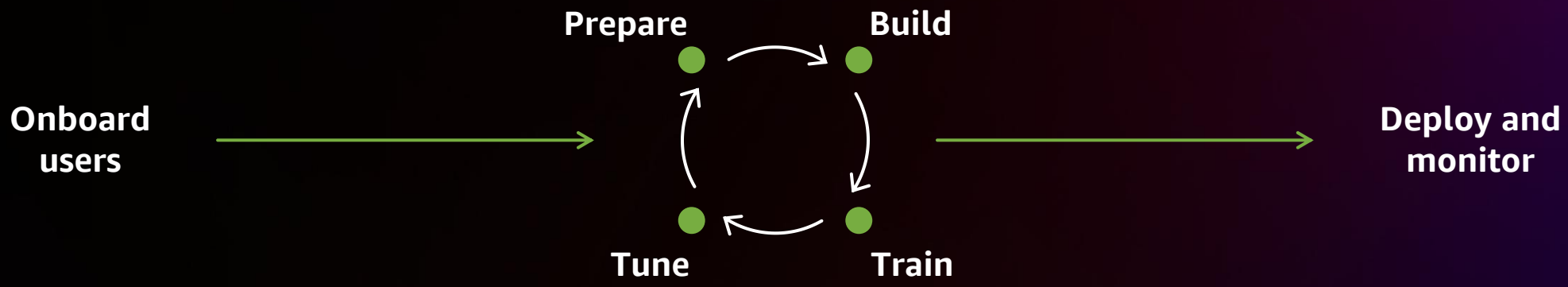
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Key challenges

Hand-crafting custom policies is time-consuming

Using disparate, manual tools to capture and share model information can be error-prone

Custom instrumentation to get visibility into model performance is expensive



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Introducing new ML governance features



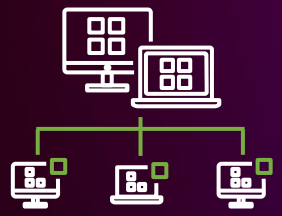
Amazon SageMaker Role Manager

Define minimum user permissions in minutes



Amazon SageMaker Model Cards

Easily document, retrieve, and share the necessary model information



Amazon SageMaker Model Dashboard

Unified view across all your models to audit performance

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NEW!

Amazon SageMaker Role Manager

Define minimum permissions for SageMaker users in minutes

GENERALLY AVAILABLE

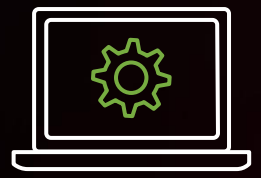
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SageMaker Role Manager - Key Concepts



User role

Role assumed via federation from an IdP or the AWS Console, directly assumed by a user to access AWS resources



Studio Execution role

Role assigned to users for access into SageMaker Studio, granting them access to AWS resources while inside of Studio



Service role

Role that provides access to dependent services on behalf of a user, typically used via PassRole

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How it works: SageMaker Role Manager

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NEW!

Amazon SageMaker Model Cards

Create single source of truth for model information

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How it works: SageMaker Model Cards

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NEW!

Amazon SageMaker Model Dashboard

Unified monitoring across all your models in production

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How it works: SageMaker Model Dashboard

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Q&A

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Get started

Attend session AIM346 today at 1:15 PM at Mandalay Bay Level 2 South, Lagoon 1

Technical documentation



Product webpage



MLOps Workload Orchestrator on AWS



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Thank you!

Giuseppe Zappia
gzappia@amazon.com

Ram Vittal
rvvittal@amazon.com



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