

Effectively govern generative AI and ML models with IBM on AWS

Monitor and manage risk and compliance at scale

With evolving AI regulations, transparent and comprehensive documentation across the AI lifecycle is crucial. Organizations can face challenges managing risk, building transparent processes, and adhering to regulatory compliance. Clear documentation for AI systems helps mitigate these challenges by providing insights into the model behavior, predictions, and underlying processes.

IBM watsonx.governance, part of the IBM watsonx portfolio, is an AI governance toolkit that helps you direct, manage, and monitor the AI activities of your organization. With watsonx.governance, you can drive explainable AI results, and proactively detect and mitigate risks while supporting compliance with AI regulations.

How it works

watsonx.governance provides software automation capabilities to help you evaluate and take necessary steps to adhere to regulatory requirements and address potential ethical concerns.

Before a model is put into production, it's validated to assess business risks using watsonx.governance. Once the model goes live, it's continuously monitored for fairness, quality, and drift.

Regulators and auditors can quickly access documentation of AI model metadata to explain a model's behavior and predictions. This provides transparency into your model's operations, detailing the processes and training the model received.

watsonx.governance

In collaboration with:



Working with Amazon Web Services (AWS)

IBM watsonx.governance integrates with Amazon SageMaker, a fully managed service to build, train, and deploy AI models at scale. This integration helps you automate risk management and regulatory compliance for your models and use cases. You can also configure and track fully customizable risk assessment and model approval workflows across multiple stakeholders.

Key benefits



Regulatory compliance

Evaluate AI compliance across the growing and changing AI regulations, industry standards, and internal policies with watsonx.governance. Map regulatory requirements to internal risk data using a single repository for managing all regulatory content. Satisfy diverse stakeholder needs with the use of persona-based dashboards and customizable reports.



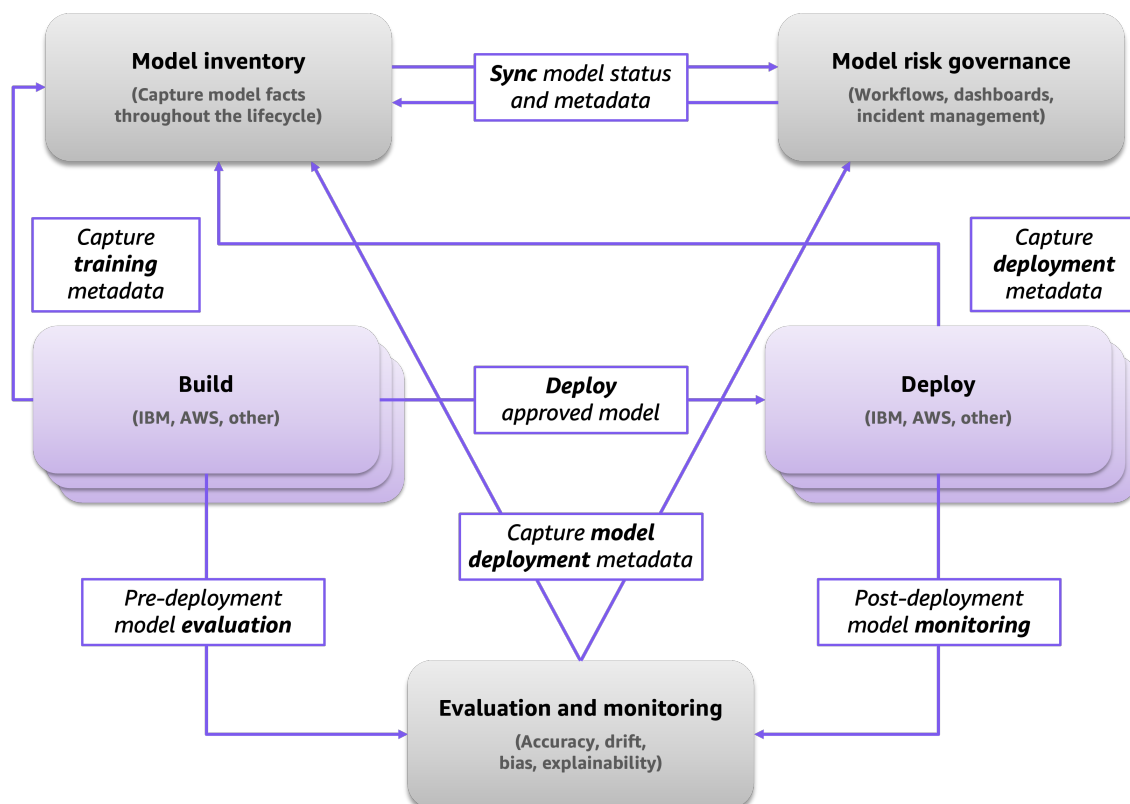
Risk management

Proactively detect and mitigate risks by monitoring fairness, bias, drift, and new large language model (LLM) metrics. watsonx.governance monitors performance metrics so you can avoid potential safety issues. Preset thresholds track both inputs and outputs of the generative AI model, alerting you when potentially inappropriate language is detected.



AI lifecycle governance

Manage and monitor generative AI and machine learning (ML) models across the AI lifecycle with watsonx.governance. Keep track of metrics and status for models, including use cases, in-process change requests, challenges, issues, and assigned tasks. Use automated workflows to streamline processes and accelerate time to production. Track models from development, testing, and production using model inventory. Use collaborative tools to speed up time to production and improve communication.



Generative AI on AWS

Start generating innovation with these performant, cost-effective, and easy-to-use tools purpose-built for generative AI.



Amazon Bedrock

The easiest way to build and scale generative AI applications with foundation models.



Amazon SageMaker

Build, train, and deploy machine learning models at scale.



Amazon SageMaker JumpStart

Deploy prebuilt machine learning solutions in just a few clicks.

[Learn more >](#)

Accelerate responsible, transparent, and explainable AI workflows.
[Implement AI governance responsibly](#) with IBM and AWS.

About IBM

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