

# Streamline AI application development with watsonx.ai

Enterprise-grade AI studio helps AI builders innovate with APIs, models, tools and runtimes

A well-considered approach to AI can help you scale and operationalize faster and more effectively. Generative AI (gen AI) provides scalability through foundation models that are trained on unlabeled data. Traditional AI and machine learning (ML) techniques offer fine-tuning and customization, using labeled data for improved accuracy. But what's the best way to simultaneously use both of these approaches?

IBM® watsonx.ai™ is an enterprise-grade AI studio for builders—from the application developer to the data scientist and everyday line-of-business user. As a one-stop AI developer studio, watsonx.ai combines gen AI with traditional ML techniques to help builders innovate with all the APIs, models, tools and runtimes to simplify and scale the development and deployment of AI applications.

Within watsonx.ai, AI builders can support the rapid adoption of AI use cases, from data through deployment, by using a collection of foundation models. These include IBM Granite™ models; a Prompt Lab interface and APIs to support agentic and retrieval augmented generation (RAG)-based use cases with or without code; a data science toolset to build AI and ML models automatically as well as a collection of powerful visual data pipelines and flows; and synthetic data generation—all running on a scalable, open and trusted hybrid AI infrastructure.



## Leverage an enterprise-grade developer AI toolkit

The comprehensive suite of developer-focused capabilities—preconfigured software development kits (SDKs), APIs, agentic workflows, RAG frameworks and templates, advanced tuning methods and more—helps bring your AI application development process together in natural language or code.

## Manage the full AI lifecycle

Accelerate and manage the full AI model and application lifecycle with easy-to-use tools for model training and gen AI development. With watsonx.ai, AI builders have access to MLOps pipelines and AI runtimes, benchmarks and guardrails all in one place to build powerful gen AI applications with trusted data and built-in governance that they can effectively manage.

## Bring traditional AI and ML into production faster

Build AI and ML models automatically with model training, development and visual modeling, and synthetic data generation. You can also develop predictive and prescriptive models, code in Python Notebooks or RStudio, or work directly in your integrated development environment (IDE) of choice.

By leveraging both gen AI and traditional AI and ML techniques, watsonx.ai is changing the game of AI app development.

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