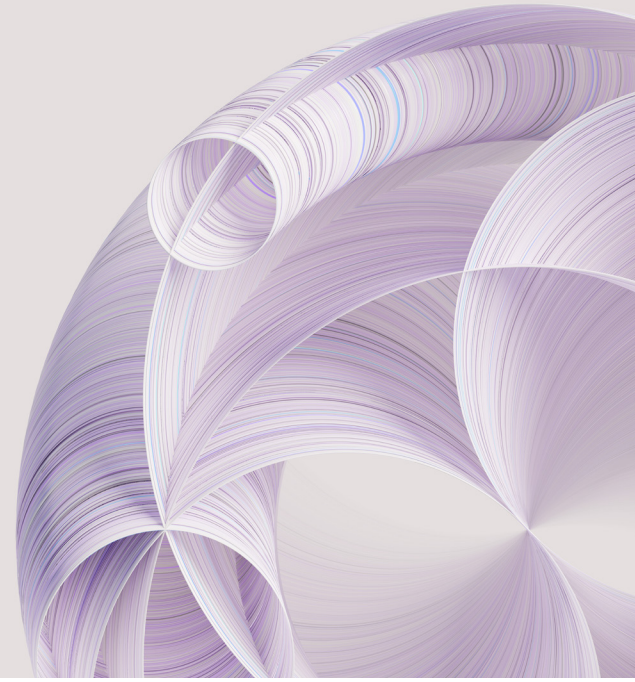**watsonx**™

Accelerate the impact of AI with an end-to-end AI and data platform

Scale AI for business with watsonx

The AI landscape has very quickly evolved from the "run your business and apply AI to help" paradigm to a reality where many enterprises are racing to embed AI into how they operate. In fact, a new IBM study found that 75% of CEOs surveyed said they believe the organization with the most advanced generative AI wins, while 43% said their enterprises are already using generative AI to inform strategic decisions.[1]

However, there are several emerging concerns with generative AI, such as how to:

– Keep pace with the rapid innovation of AI technologies.
– Monitor the accuracy and trustworthiness of models.
– Trust closed proprietary models without knowing how they were trained.
– Minimize the cost and energy consumption of large-scale models.

To address these concerns and realize the potential of AI, you need the right AI and data platform. IBM® watsonx™ is an AI and data platform with a set of AI assistants designed to help you scale and accelerate the impact of AI with your trusted data across your business. The platform offers flexibility, enabling you to start with one component or application and include additional ones as your needs grow.

Design solutions suited to your needs using multiple models and the power of the open-source community.

Build and govern AI models based on principles of trust, transparency and ethics.

Choose from models that can be targeted for specific business domains and use cases.

Become an AI value creator with a platform that's empowering and easy to use.

IBM

The core components of the platform include:

watsonx.ai™

A studio for foundation models, generative AI and machine learning.

watsonx.data™

A fit-for-purpose data store built on an open data lakehouse architecture.

watsonx.governance™

A solution to help businesses facilitate their compliance with internal policies and AI regulations, detect and mitigate risk, and automate governance tools across the AI lifecycle.

IBM's AI assistants are purpose-built to address high-volume generative AI use cases. They include:

watsonx™ Assistant

AI assistants for customer support, enabling you to build virtual agents for consistent, intelligent customer care.

watsonx™ Orchestrate

AI assistants for enterprise productivity, using AI and automation to help reduce the time and effort to deliver work.

watsonx™ Code Assistant

AI coding assistants for enterprise developers, enabling individuals of all experience levels to write code with AI-generated recommendations.

IBM business partner AddAI, a virtual assistant startup, used watsonx.ai generative AI along with watsonx Assistant in a proof of concept to build a quality virtual assistant for typical banking sector FAQ responses in the Czech language faster. They found an:

85%

out of the box accuracy rate for answers generated

50%

reduction in unanswered queries by adding watsonx.ai to watsonx Assistant capabilities

"Watsonx.ai proved to be very useful. In our research, we liked how it helped … to simplify tasks and extend the assistant knowledge without the need to pre-set the whole dialog in advance. It is a next level for us and our customers."

Jindrich Chromy
CEO and co-founder
AddAI.Life

Here's how watsonx helps simplify how you can build and apply generative AI with governance and guardrails in place.

Open

Based on the latest AI and cloud technologies
With watsonx, clients can take advantage of curated technologies of the open-source community for optimizing workloads, accessing and sharing a single copy of data, and building generative AI. The platform is built on open technologies, including Red Hat®, Apache Iceberg, Presto, Spark and the PyTorch machine learning framework. Users can also choose from a variety of models from IBM and Hugging Face, which are pretrained to support a range of use cases, including customer service and support, HR productivity, and code translation and generation.

Trusted

Built with AI governance, transparency and ethics
Watsonx allows you to accelerate responsible, transparent and explainable AI workflows—to help you mitigate risks such as hallucinations, abuse, profanity, bias and unexplainable outcomes. IBM's solution for AI governance supports end-to-end governance of the model lifecycle, risk management dashboards showing the state of your AI, and the tools to help you address regulatory compliance. It also provides automated governance reporting for stakeholders from data scientists to the C-suite.

Targeted

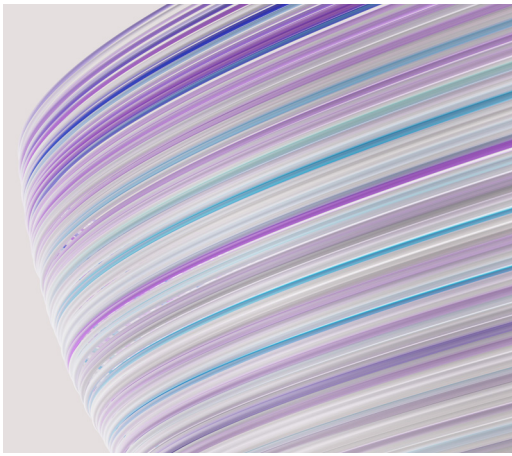**Designed for business use cases that unlock new value**
With watsonx, choose from purpose-built AI assistants or customize models in the platform. Within the platform, choose from IBM Granite models and some of the most pertinent third-party open models from companies like Meta and Google to serve your use cases. IBM-developed AI models are trained on business-relevant data sets, and this training data was filtered for objectionable content. You can also bring your proprietary data to IBM base models and build a model that's specific to your use cases. With prompt engineering and tuning techniques you can improve accuracy, accelerate time to value and enhance cost-efficiency.

Empowering

Use your own data and AI models
With watsonx, you can use your own data and AI models that you tune, train, deploy and govern. With the platform, you have the core elements in place to build your own AI solutions—from foundation models to tools to improve and customize your models, and finally processes to build your own tailored AI solutions. It also provides you with the flexibility to move from pilot projects into production environments while simplifying the consumption of embedded applications and accelerating time to market.

IBM watsonx offers an efficient and governed approach to AI deployment across a variety of environments, empowering line-of-business users, data scientists and data engineers to make use of data at scale. In addition to helping clients maintain control over their data and IP, IBM also provides its standard contractual IP protections for IBM-developed AI models.

Bringing more than two decades of experience working with AI technology, IBM is committed to empowering businesses—spanning every industry—to embed AI into the core of their strategies and become AI value creators. Through our watsonx pilot program or an IBM Consulting® engagement, domain experts will help you prove generative AI value with activities such as identifying use cases, preparing data, tuning models and planning for AI adoption.

Whether you're using open-source models, IBM models or creating your own, IBM stands ready to partner with you in your journey with an AI and data platform that's built for business.

Put AI to work with watsonx.

Start your free trial →

Request a live demo →

To learn more, contact your IBM Business Partner:

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https://www.es.logicalis.com/

End notes:

1. CEO decision-making in the age of AI, IBM Institute for Business Value CEO Study, 27 June 2023.

IBM.