

# Introducing watsonx

Machine Learning Operations (MLOps) is the process of moving machine learning models from development and testing to production. MLOps is now extended to support training of foundation models and putting foundation model assets into productive use. Foundational models are the basis of generative AI. Large Language Models (LLMs) are a type of foundation models that support language-based generative AI used for a variety of applications, including advanced chat or summarization. A large language model takes input in the form of a prompt and generates output. Operating large language models in production is MLOps for LLMs called LLMOps.

## Overview of watsonx:

The platform  
for AI and data

**watsonx**

Scale and  
accelerate the  
impact of AI with  
trusted data.

### **watsonx.ai**

Build, train, validate, tune and  
deploy AI models

A next generation enterprise  
studio for AI builders to build,  
train, validate, tune, and deploy  
both traditional machine learning  
and new generative AI  
capabilities powered by  
foundation models. It enables  
you to build AI applications in a  
fraction of the time with a  
fraction of the data.

### **watsonx.data**

Scale AI workloads, for all  
your data, anywhere

Fit-for-purpose data store, built on  
an open lakehouse architecture,  
supported by querying, governance  
and open data formats to access  
and share data.

### **watsonx.governance**

Accelerate responsible,  
transparent and explainable AI  
workflows

End-to-end toolkit for AI  
governance across the entire model  
lifecycle to accelerate responsible,  
transparent, and explainable AI  
workflows

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