



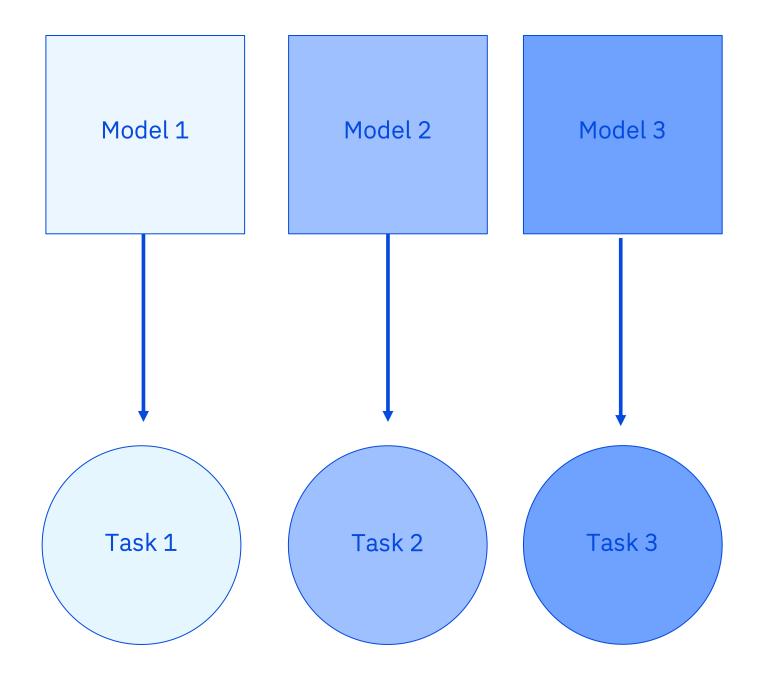
A new era for AI

Generative AI and foundation models are making massive AI scalability possible.

A foundation model is an AI model that trains on large amounts of general data, which can be adapted easily to new scenarios and use cases.

Traditional AI Models

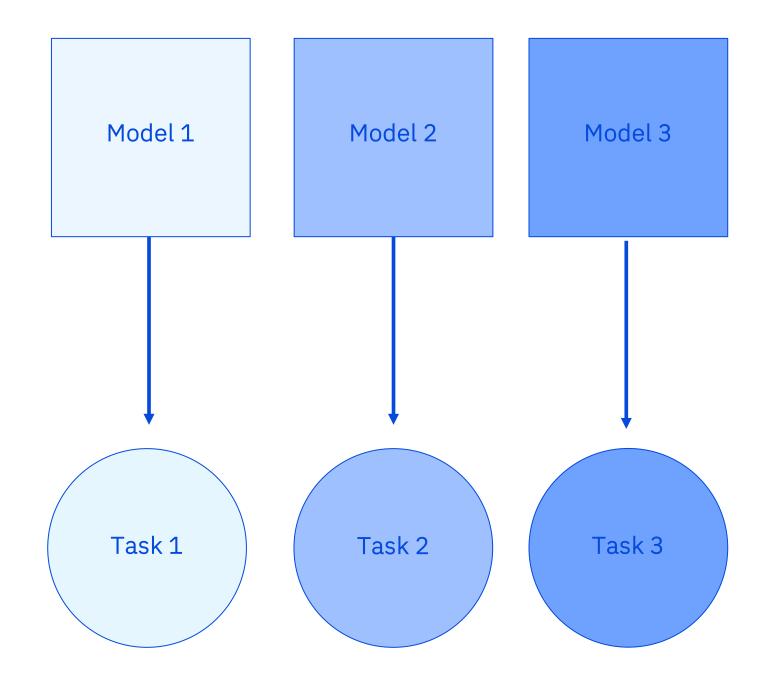
Each model is trained for a specific task



1,000s to 1,000,000s labeled data points per task

Traditional AI Models

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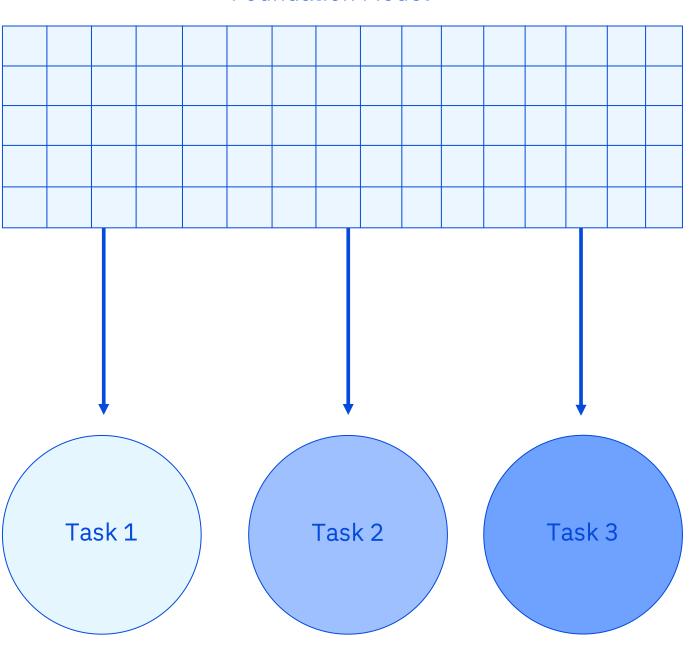


1,000s to 1,000,000s labeled data points per task

Foundation Models

One model that can address many tasks

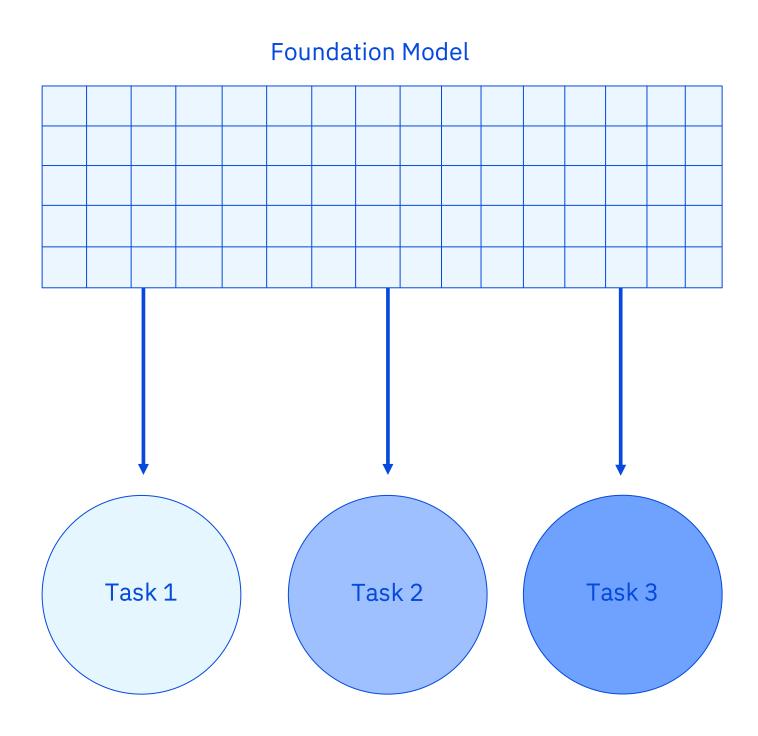
Foundation Model



0 to 1,000s labeled data points per task

Foundation Models

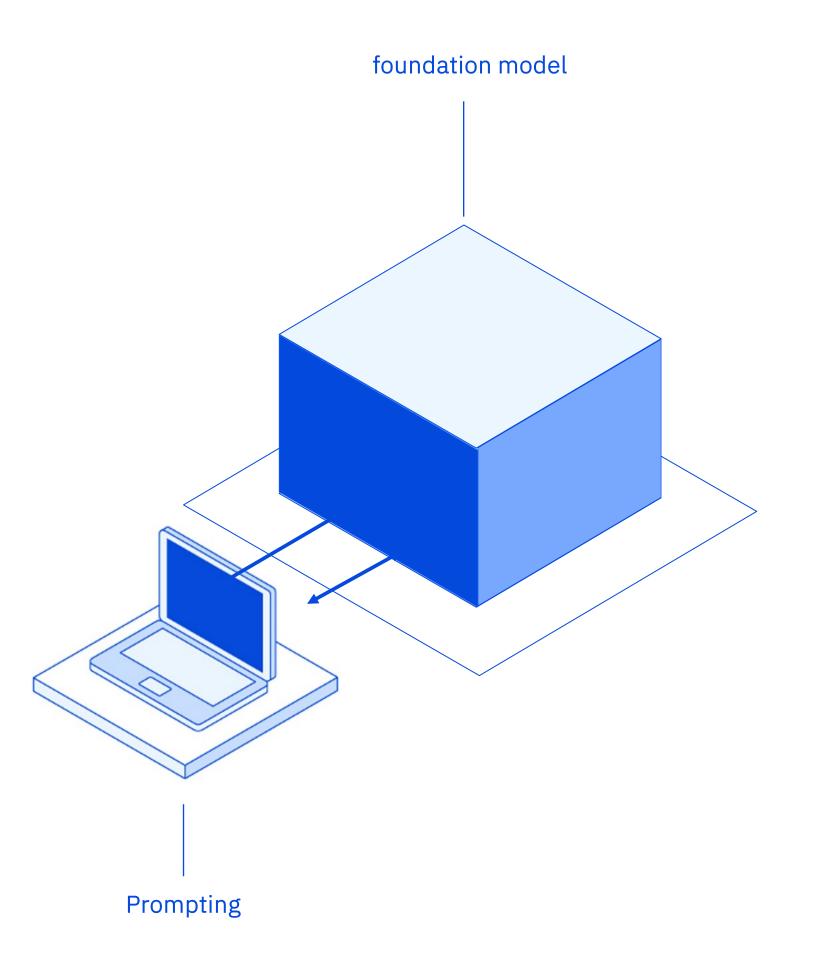
One model that can address many tasks



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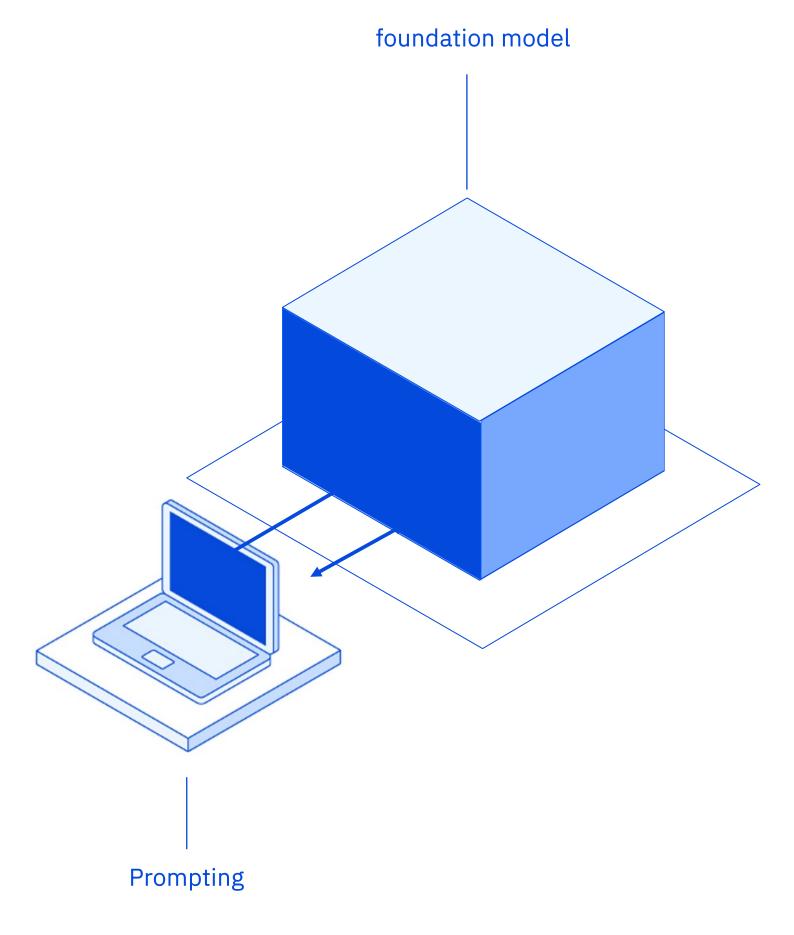
Prompting Foundation Models

Customized for additional use cases



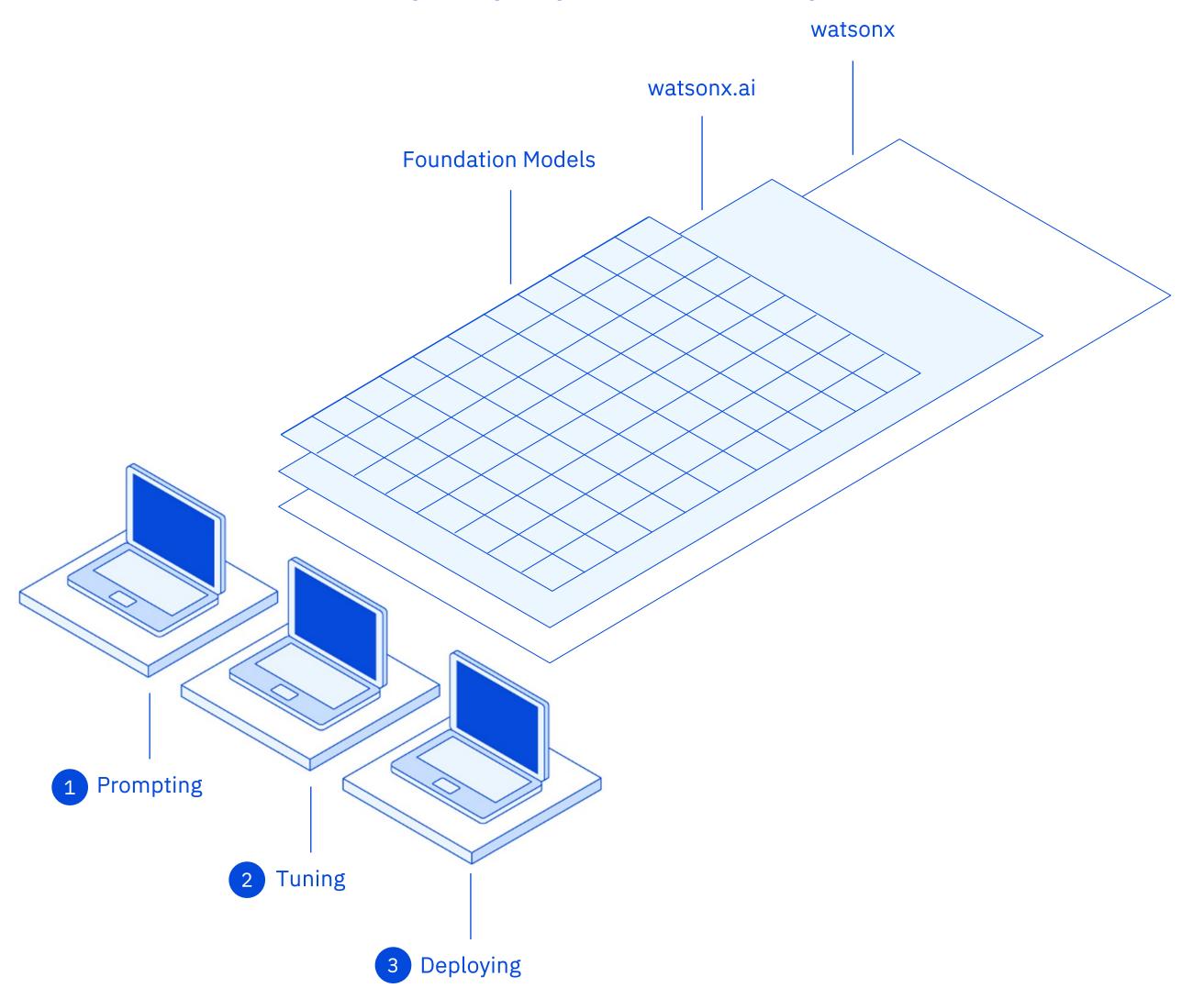
Prompting Foundation Models

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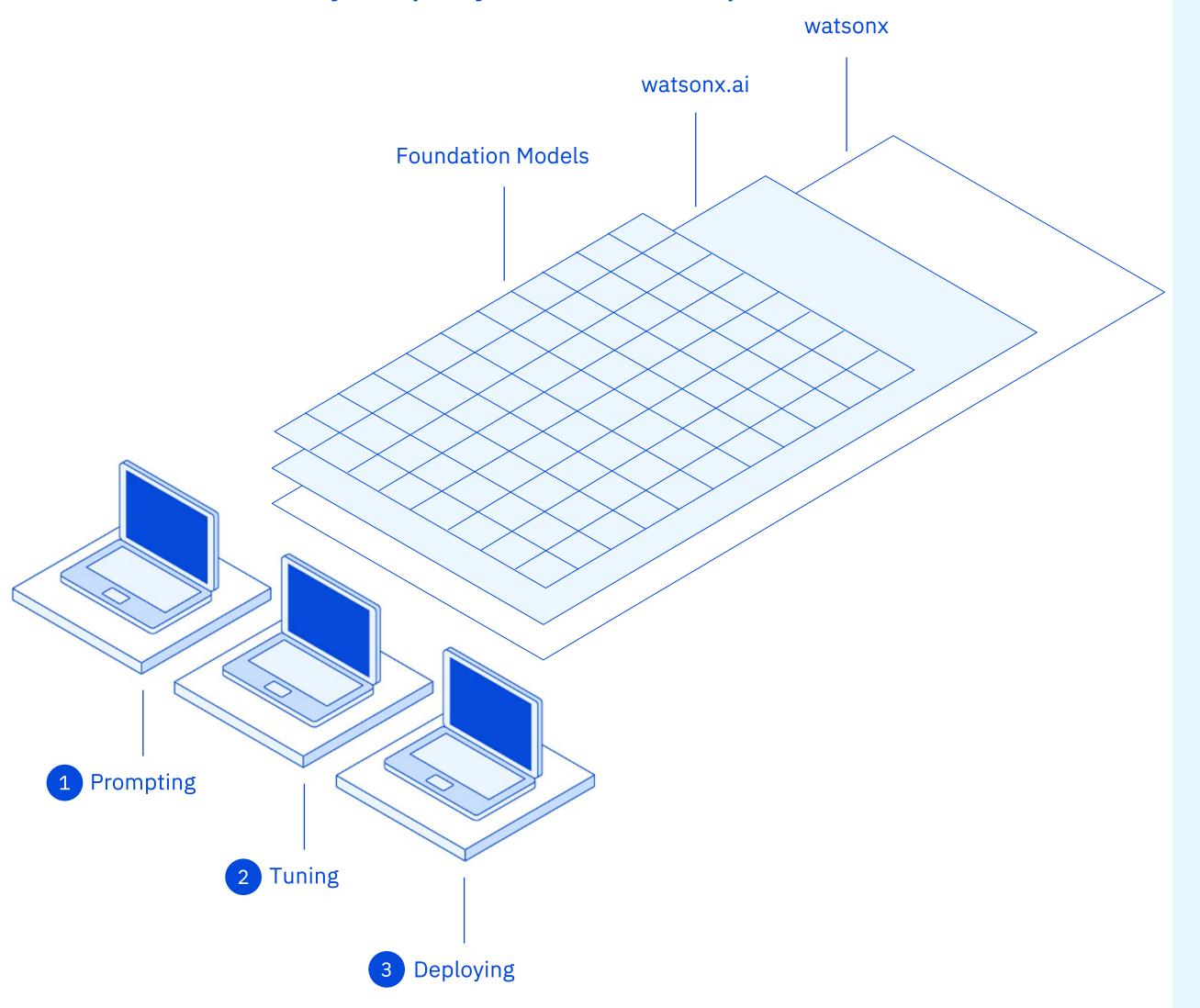
Creating Value with Foundation Models

Fully deployed for enterprise use



Creating Value with Foundation Models

Fully deployed for enterprise use



1 Prompt Lab

Leverage foundation models and generative AI with a fraction of the data, in less time, via no-code or full SDK and API libraries.

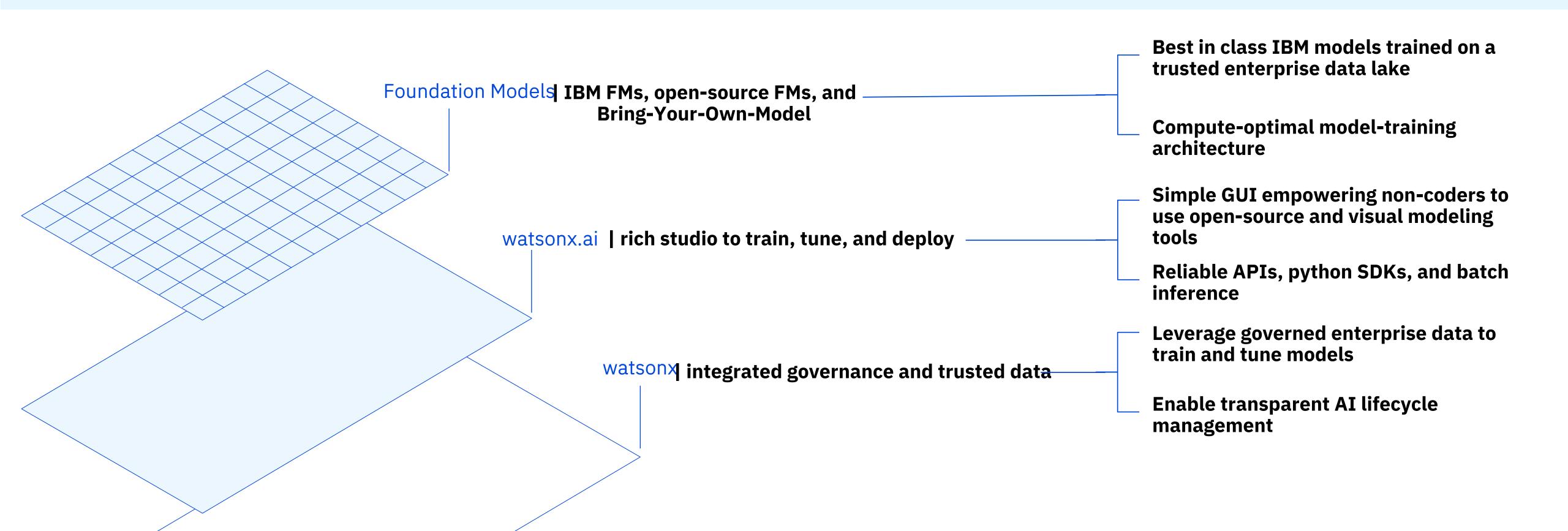
2 Tuning Studio

Use as few as 100 labeled data points to tune pre-trained models on your own data.

3 Deployments

Accelerate the full AI model lifecycle with all the tools and runtimes in one place.

A Next-Generation Enterprise-Ready AI Studio



Best In-Class Models Built on a Foundation of Trust

Foundation Models | IBM FMs, open-source FMs, and Bring-Your-Own-Model

IBM Foundation Models

Models trained on the largest trusted, enterprise grade data lake



Slate

Non-generative, encoder-only architecture



Sandstone

Light-weight encoder-decoder architecture



Granite

Generative specialization, decoder-only architecture



Obsidian

Novel-sparse universal transformer architecture



Moonstone

Novel architecture based on dense associated memory

And models for efficient domain and task specialization:

- Language (text, code)
- Finance
- Geospatial
- Chemistry
- Cybersecurity
- Legal
- Climate

Open source Models

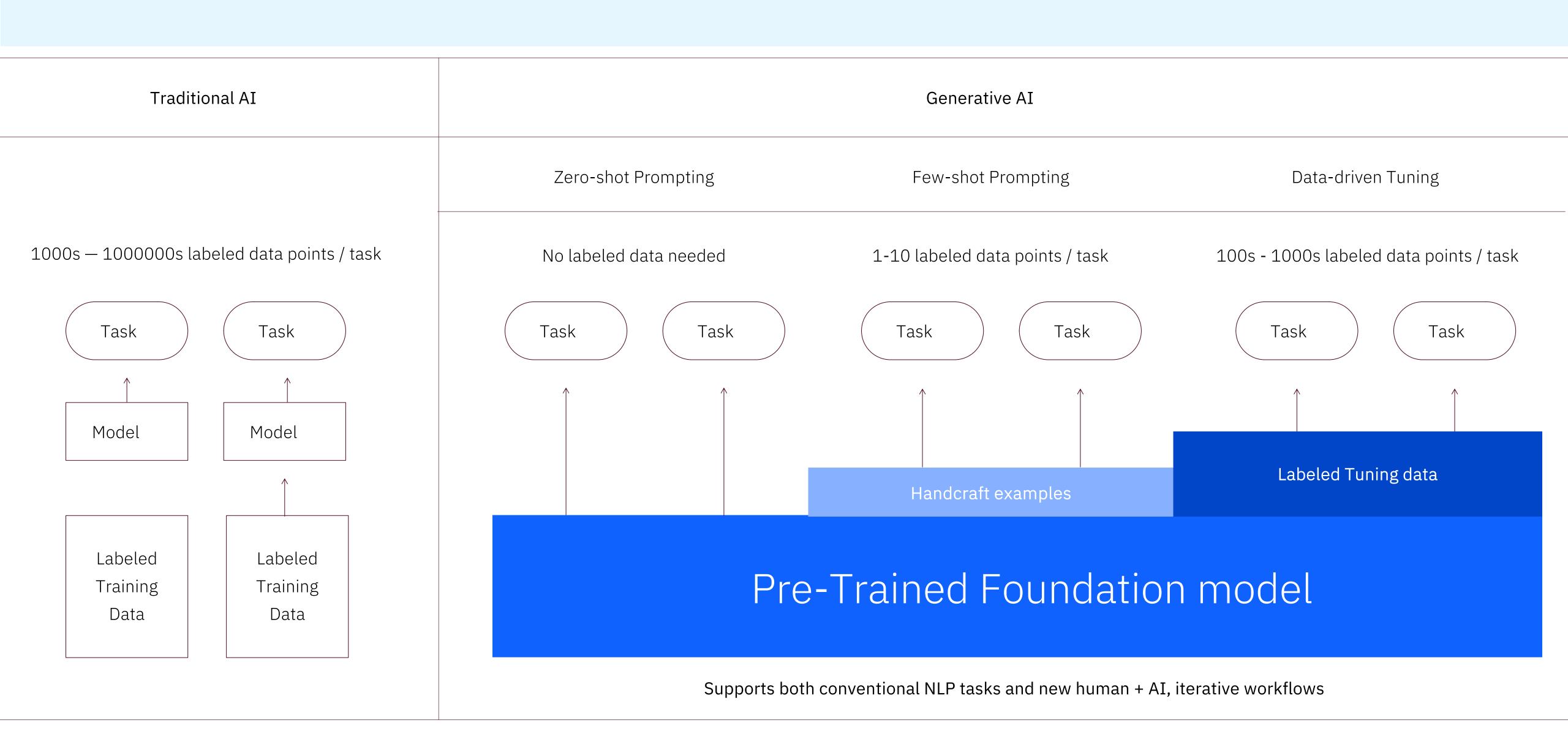
Access an open ecosystem through API integrations

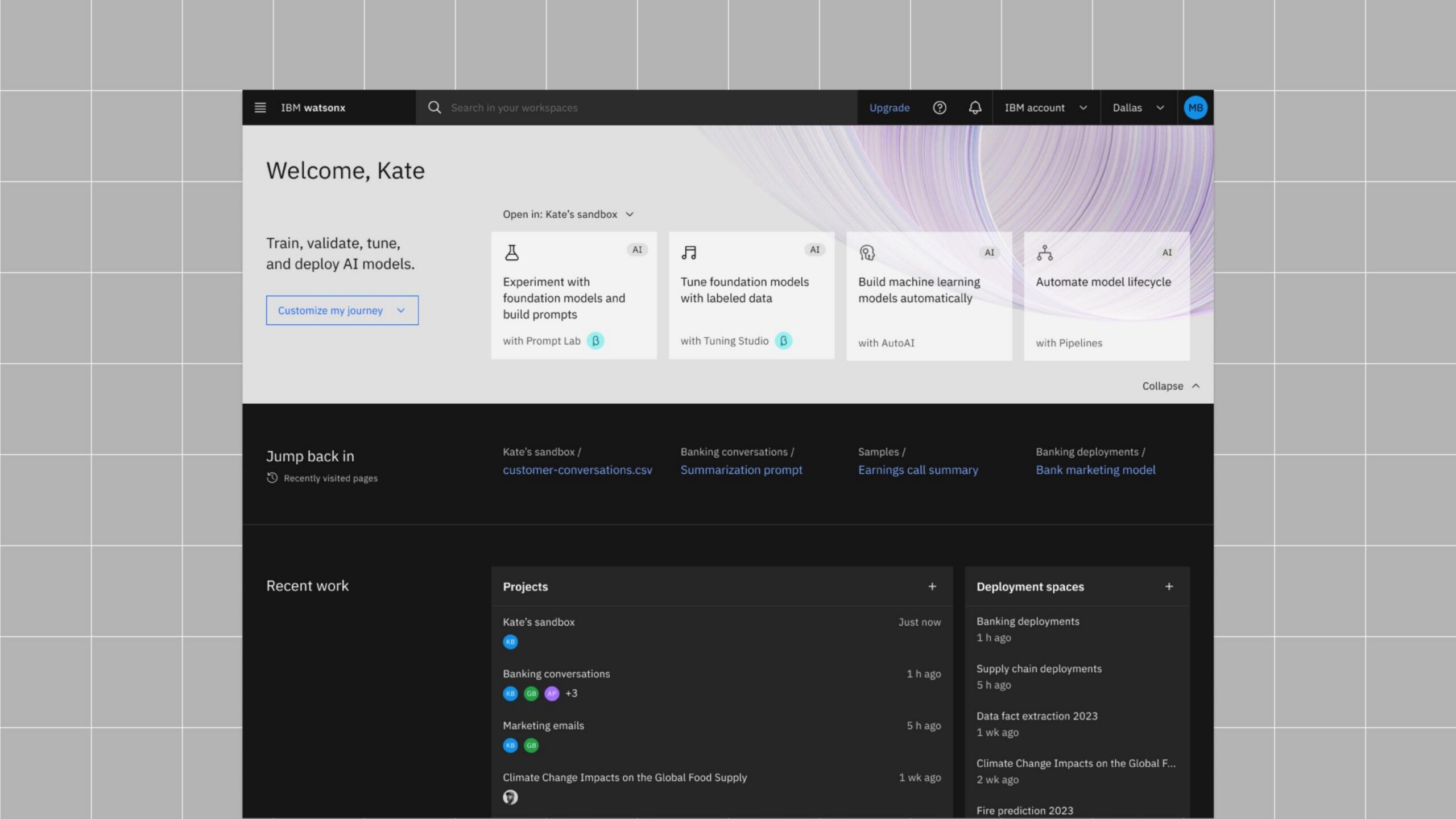
- Experiment with open source models
- IBM and Hugging Face partnership demonstrates our shared commitment to delivering an open ecosystem approach that allows you to define the best models for your business needs.

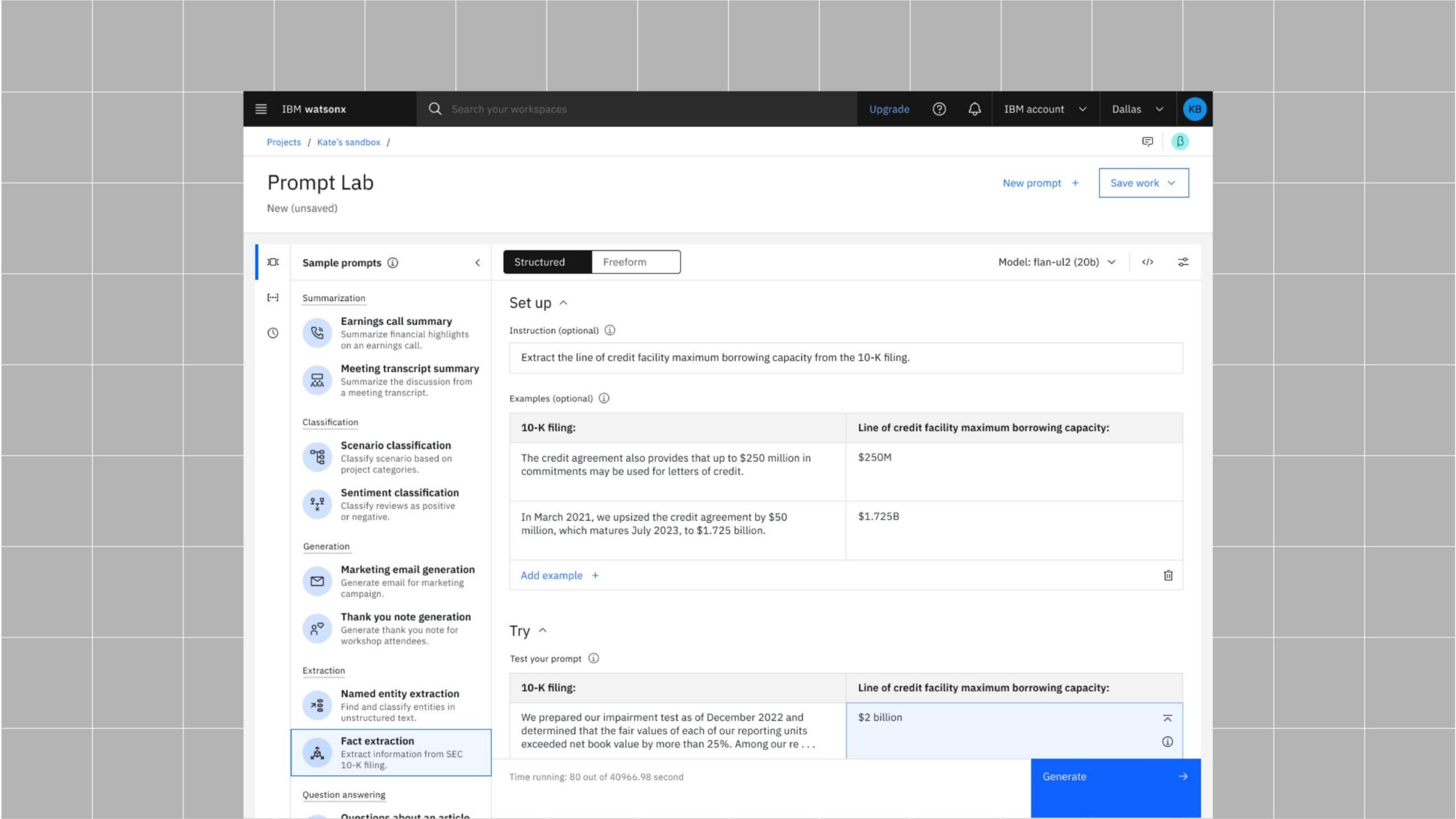
Bring-your-own-model Optional add-on for more flexibility

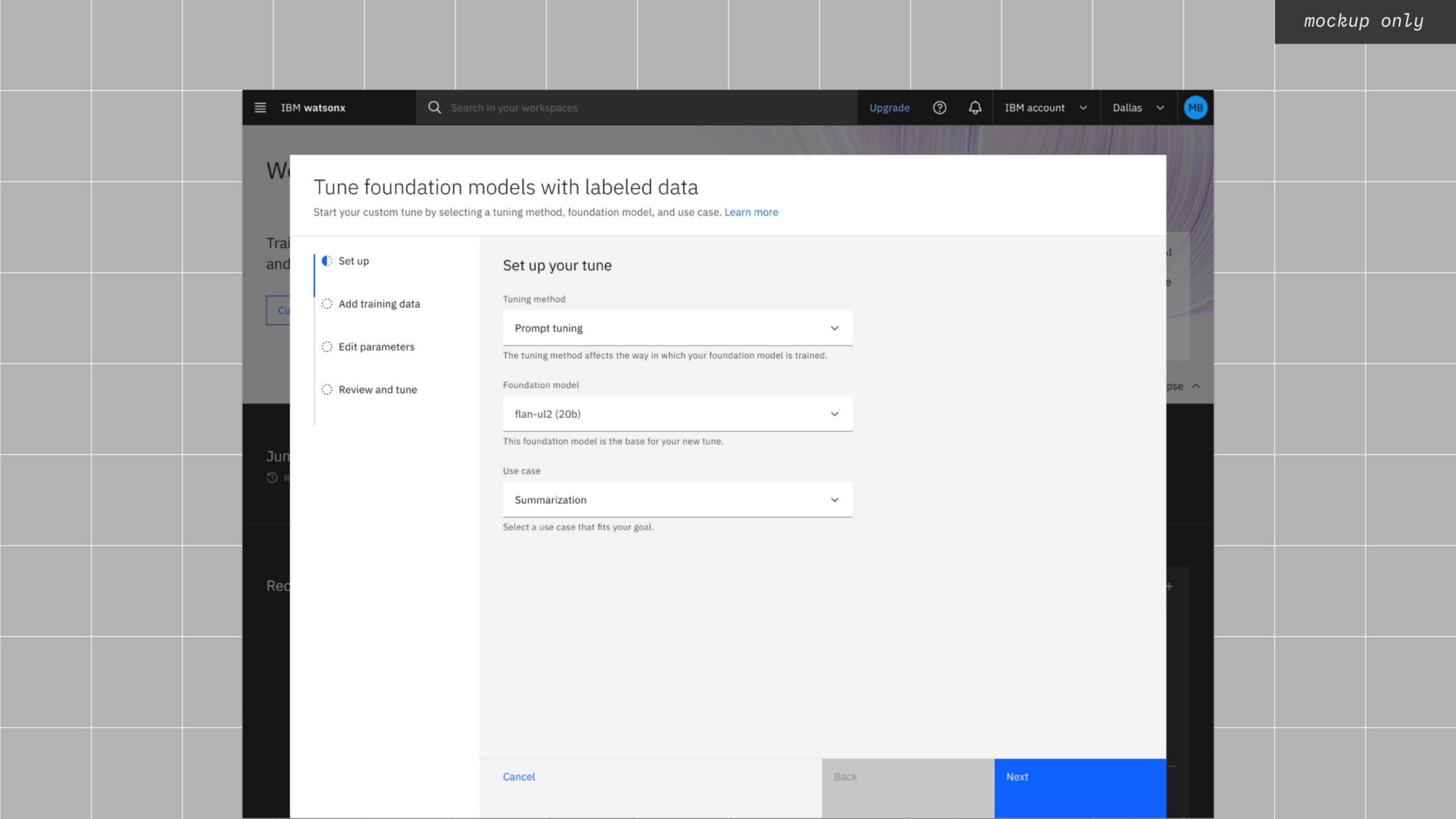
Partner with IBM Research to pre-train your own foundation models

Build for Traditional ML and Gen AI in One Place

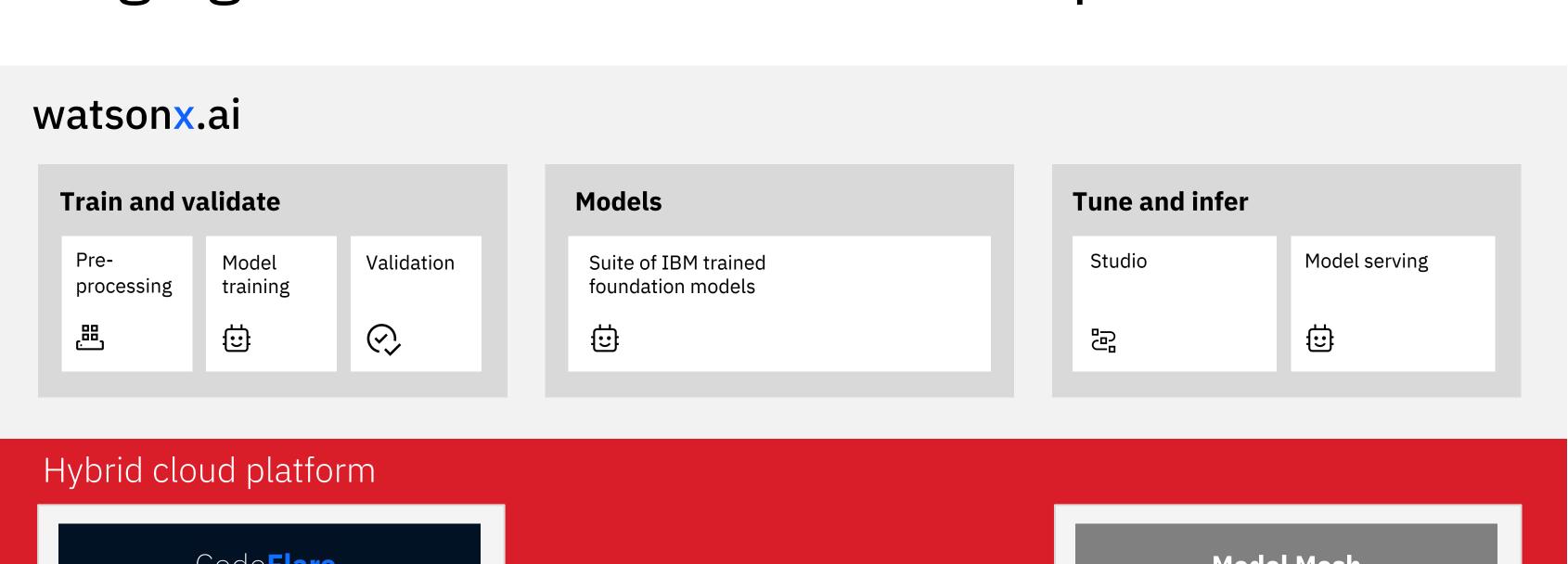




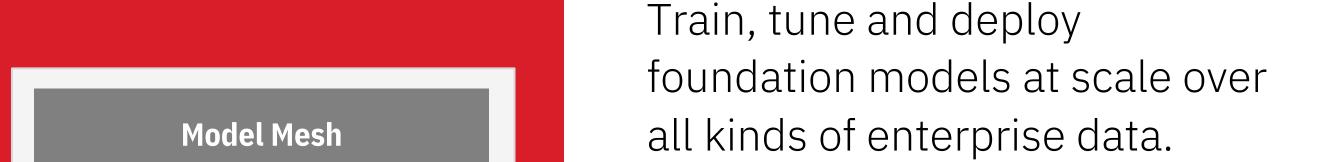




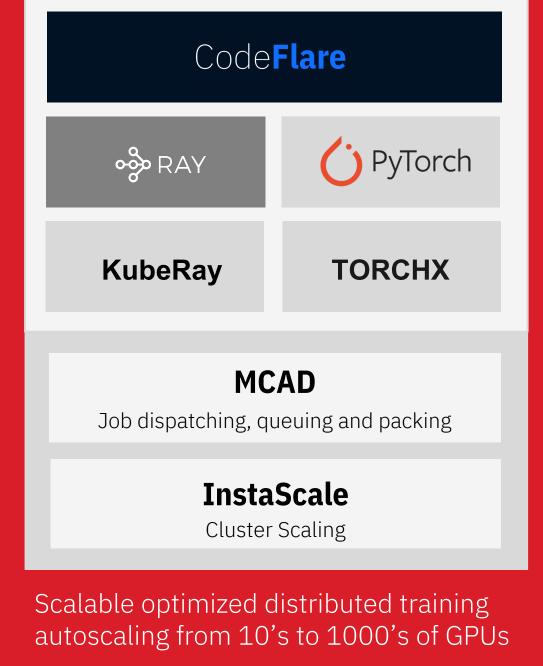
Bringing foundation models to enterprise AI

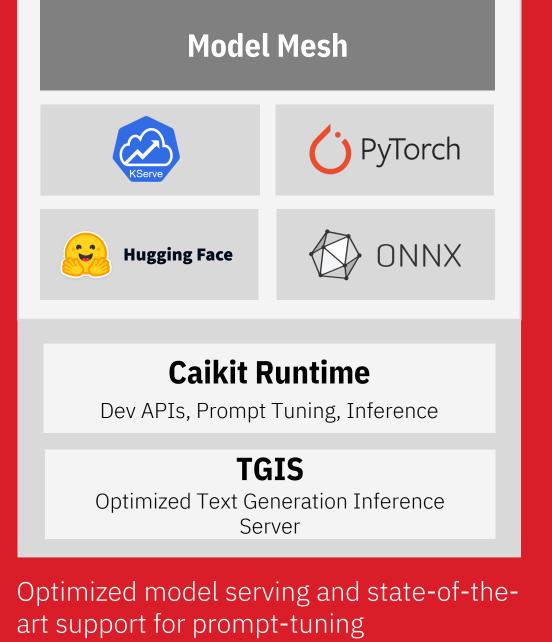


Hybrid cloud-native stack built with open technologies.



Built for the enterprise with trust and governance at heart.





Use Cases

AI Task	Use case / Demo
Q&A	Watson Assistant and Speech integration for Agent conversation as Amelia alternative
	Cisco Webex Contact Center and Watson Assistant for voice conversation using WA streaming API and handover to Live Agent with key
	insights about the conversation, e.g. summary, sentiment, entities, classification.
	Q&A with a tech support document repository for agent assist
	Q&A for product queries, recommendation possibly with a WA front end
	Document assistant: Q&A on PDFs and also help to fill forms using content retrieved from documents
	Knowledge management building single source of truth across PLM and EAM resources and enable Q&A
	Procurement advisor: Support, guidance for procurement process.
	Q&A for wealth management, for eg. financial/ earnings reports.
	Q&A on HR data, Digital Labor support for HR
	Operator assist using knowledge augmentation for application deployment to ABB platform
	Customer Assist for technical support during hardware ordering
	Assist for requirements engineering, find existing features for re-use
	Q&A across a large document set of various types in a Box folder
Classify	OCR with Document Understanding tech preview library - need to adapt the demo for invoice based on latest ask from Finacle Classification of support tickets, agent conversations, email threads to understand topics of conversations and accordingly determine next step, e.g. route tickets
	Classification of documents to enable tagging documents for quick navigation, search. Need to know labels in advance. Classify product feedback on product area, sentiment, tone with data in Airtable
	Classify PDF documents, text categorisation
Summarise	Summarise support tickets, email threads, agent conversations for agent assist
	Summarise tech support documents - need to work on large document summarization
	Summarization of docs in PDF, show in context of legal contracts
	Summarise customer feedback, account plan, performance in sales scenario with data in Airtable
	Summarise documents in a Box folder and also generate document tags, possible using Extract, Classify patterns

Use Cases

AI Task	Use case / Demo
Extract	Entity / PII extraction from support tickets, agent conversations, text documents
	Extract entities/PII from PDF, also show topic, concept, relation extraction
	PII extraction for various format documents in folder and mark documents as confidential and mask information
	Extract insights from logs for preventive maintenance. Show how we can move from rules based to an LLM based approach find log patterns and anomalies.
	Extract insights from logs for threat detection. Show how we can move from rules based to an LLM based approach find log patterns and anomalies.
	Create insights from invoices by extracting content in different formats
	Extract action items from content for sales rep
	Extract entities and create summary from healthcare data
Code generatio	Examples of SQL to MongoDB Query Language with prompt engineering in workbench Basic code translation example in workbench
	Synthetic data generation to train robots
Content	
generation	Content generation for marketing emails, creative briefs, blogs, posts, responses etc.
	Generate job description from open roles in HR
	Generate product spec from data in Airtable
	Auto-generate and summarise technical documents / user manuals specific to custom order
Other	Federated SQL query across data sources, e.g. PostgreSQL, COS, using watsonx.data platform.
	Model lifecycle management
	Build predictive models
	Hosting watsonx.ai

watsonx.ai

Build in our new studio for foundation models, generative AI and machine learning. See what's coming.

Join the waitlist

Watch the video (1:49)



