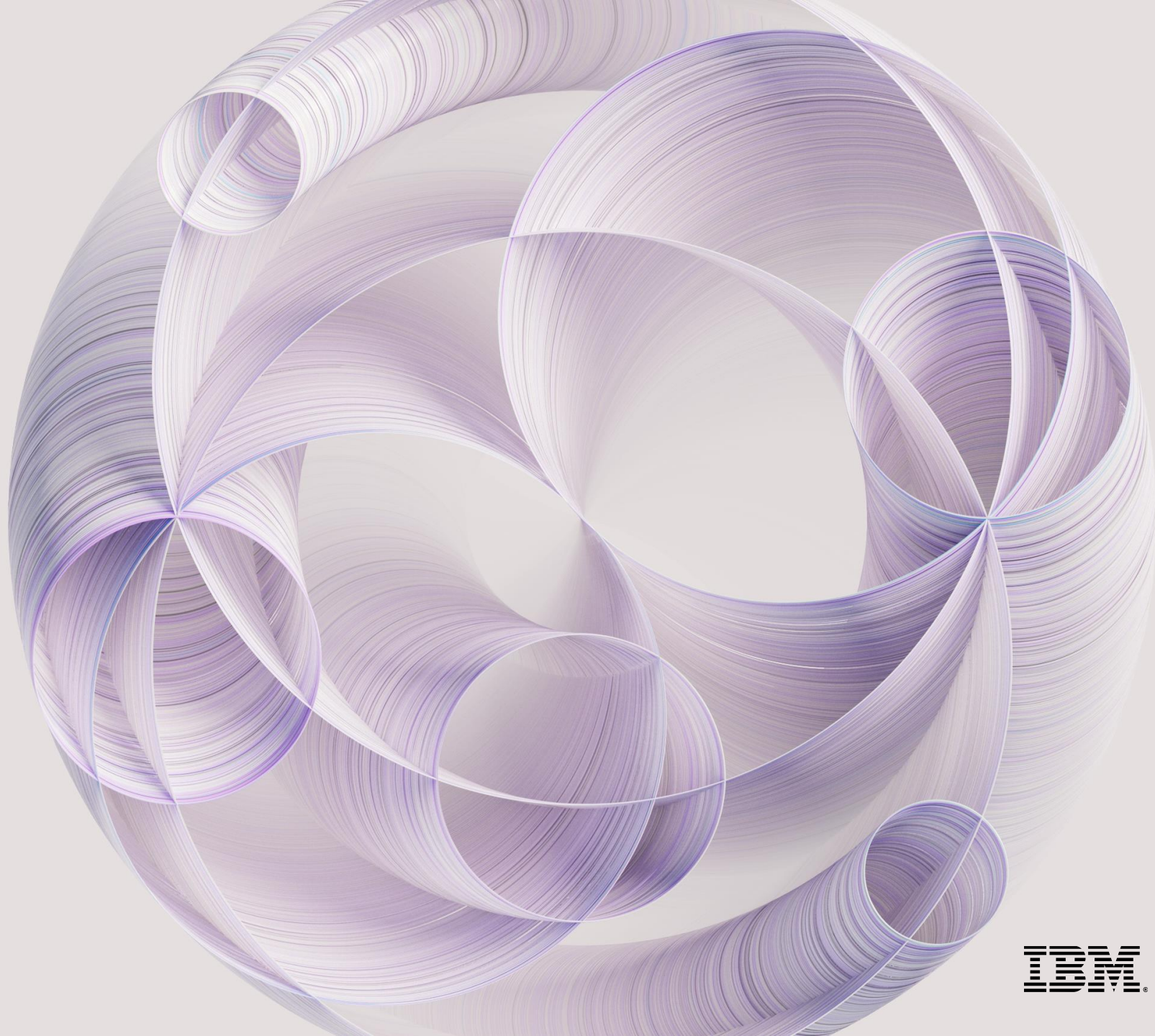


Nova era automatizacije
servisa e-uprave kroz
implementaciju veštačke
inteligencije

Novica Ninic

Software Sales Manager
Central Eastern Europe

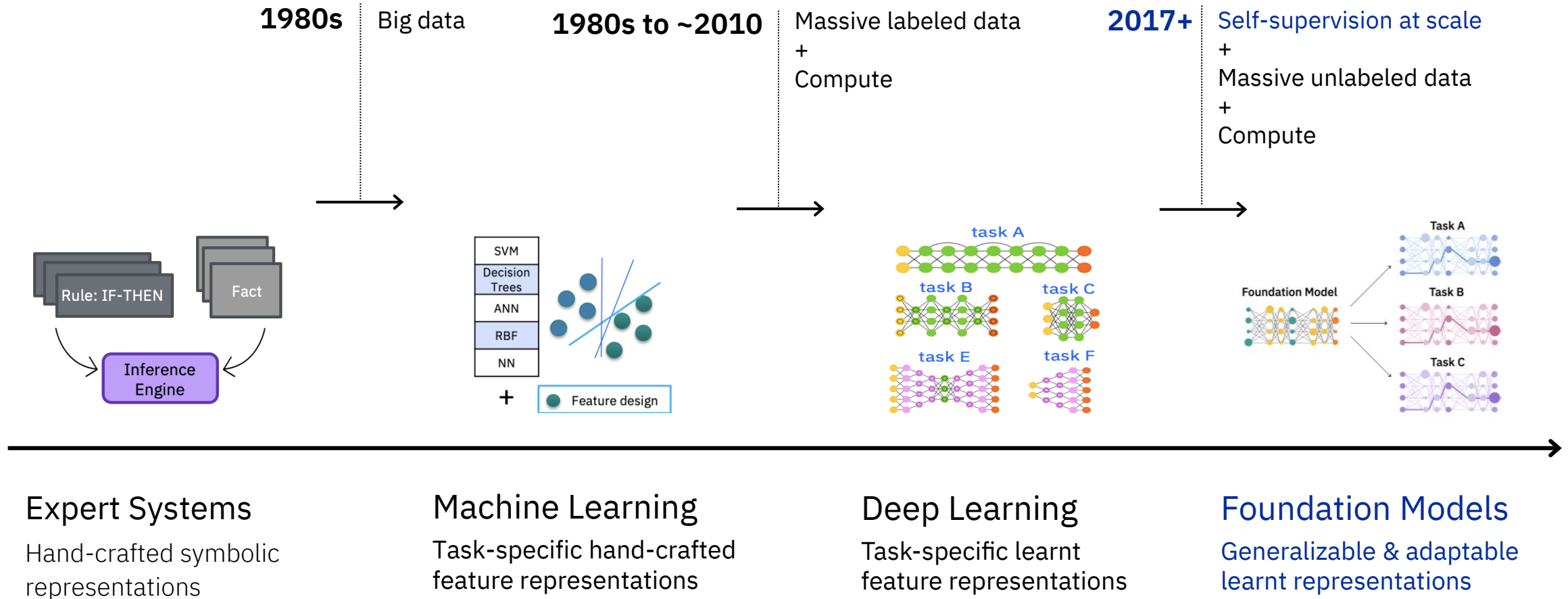


A new era for AI

We are in one of those rare moments in history, when a new technology innovation arrives that radically transforms business and society.

Artificial intelligence is that technology today.

Story of AI is a story of data representations



+AI



AI+

Reinventing how work gets done |
+AI to AI+

The most common
generative AI tasks
implemented today

<p>Retrieval-augmented generation</p> <p>Based on documents or dynamic content, create a chatbot or question-answering feature.</p> <p><i>Building a Q&A resource from a broad knowledge base, providing customer service assistance</i></p>	<p>Summarization</p> <p>Transform text with domain-specific content into personalized overviews that capture key points.</p> <p><i>Conversation summaries, insurance coverage, meeting transcripts, contract information</i></p>	<p>Content generation</p> <p>Generate text content for a specific purpose.</p> <p><i>Marketing campaigns, job descriptions, blog posts and articles, email drafting support</i></p>
<p>Named entity recognition</p> <p>Identify and extract essential information from unstructured text.</p> <p><i>Audit acceleration, SEC 10K fact extraction</i></p>	<p>Insight extraction</p> <p>Analyze existing unstructured text content to surface insights in specialized domain areas.</p> <p><i>Medical diagnosis support, user research findings</i></p>	<p>Classification</p> <p>Read and classify written input with as few as zero examples.</p> <p><i>Sorting of customer complaints, threat and vulnerability classification, sentiment analysis, customer segmentation</i></p>

Reinventing how work gets done |
+AI to AI+

IBM is actively
engaging with
enterprise clients
across a broad
set of business
domains

Non-exhaustive

Customer-facing functions and experiences	HR, Finance, and Supply chain functions	IT development and operations	Core business operations
Customer service Empower customers to find solutions with easy, compelling experiences Automate answers with 95% accuracy	HR automation Reduce manual work and automate recruiting, sourcing and nurturing job candidates Reduce employee mobility processing time by 50%	App modernization, migration Generate code, tune code generation response in real time Deliver faster development output	Threat management Reduce incident response times from hours to minutes or seconds Contain potential threats 8x faster
Marketing Increase personalization, improve efficiency across the content supply chain Reduce content creation costs by up to 40%	Supply chain Automate source to pay processes, reduce resource needs and improve cycle times Reduce cost per invoice by up to 50%	IT automation Identify deployment issues, avoiding incidents, optimize application demand to supply Reduce mean time to repair (MTTR) by 50%+	Asset management Optimize critical asset performance and operations while delivering sustainable outcomes Reduce unplanned downtime by 43%
Content creation Ex. Enhance digital sports viewing with auto-generated spoken AI commentary Scale live viewing experiences cost effectively	Planning and analysis Make smarter decisions, focus on higher value tasks with automated workflows and A. Process planning data up to 80% faster	AIOps Assure continuous, cost- effective performance and connectivity across applications Reduce application support tickets by 70%	Product development Ex. Expedite drug discovery by inferring structure with AI from simple molecular representations Faster and less expensive drug discovery
Knowledge worker Enable higher value work, improve decision making, and increase productivity Reduce 90% of text reading and analysis work	Regulatory compliance Support compliance based on requirements / risks, proactively respond to regulatory changes Reduce time spent responding to issues	Data platform engineering Redesign the approach for data integration using generative AI Reduce data integration time by 30%+	Environmental intelligence Provide intelligence to proactively plan and manage impact of severe weather and climate Increase manufacturing output by 25%

Source: IBM internal data

Automating quarterly promotion process @ IBM HR

Business challenge

IBM’s quarterly promotions process is critical to retaining top talent however increasingly painful to manage. It would take 10 weeks each quarter to execute quarterly promotions. A high amount of data pulled for 15,000+ employees to support manual decisions for 3,000 managers.

Managers needed a faster way of making fair promotion decisions and forming development plans for all employees.

Solution

The promotion process was reimaged using IBM watsonx Orchestrate. The skills were developed in the HR and IT squads to build an MVP using intelligent workflows to pull data on 15,000+ employees and to support 3,000 managers in making decisions.



Results

85%

reduction in HR support for end-to-end process

4

week reduction in time to complete quarterly process



reduced time spent manually pulling data

1826

managers completed data-driven nominations in a 2-week period

How do we make
AI to work in
Government ?

IBM POV: Four core principles to tailor generative AI for enterprise

Open

→ Based on the best AI and cloud technologies available

→ Giving access to the innovation of the open community and multiple models

Targeted

→ Designed for targeted business use cases, that unlock new value

→ Including curated models that can be tuned to proprietary data and company guidelines

Trusted

→ Built with AI and data governance, transparency, and ethics that support increasing regulatory compliance demands

→ Providing guidance on appropriate models to leverage to create real business value with trust

Empowering

→ On a platform to bring your own data and AI models that you tune, train, deploy, and govern

→ Running anywhere, designed for scale and widespread adoption to truly create enterprise value

watsonx

The platform
for AI and data

watsonx

watsonx.ai

Train, validate, tune,
and deploy AI models

A next generation enterprise studio for AI builders to 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.

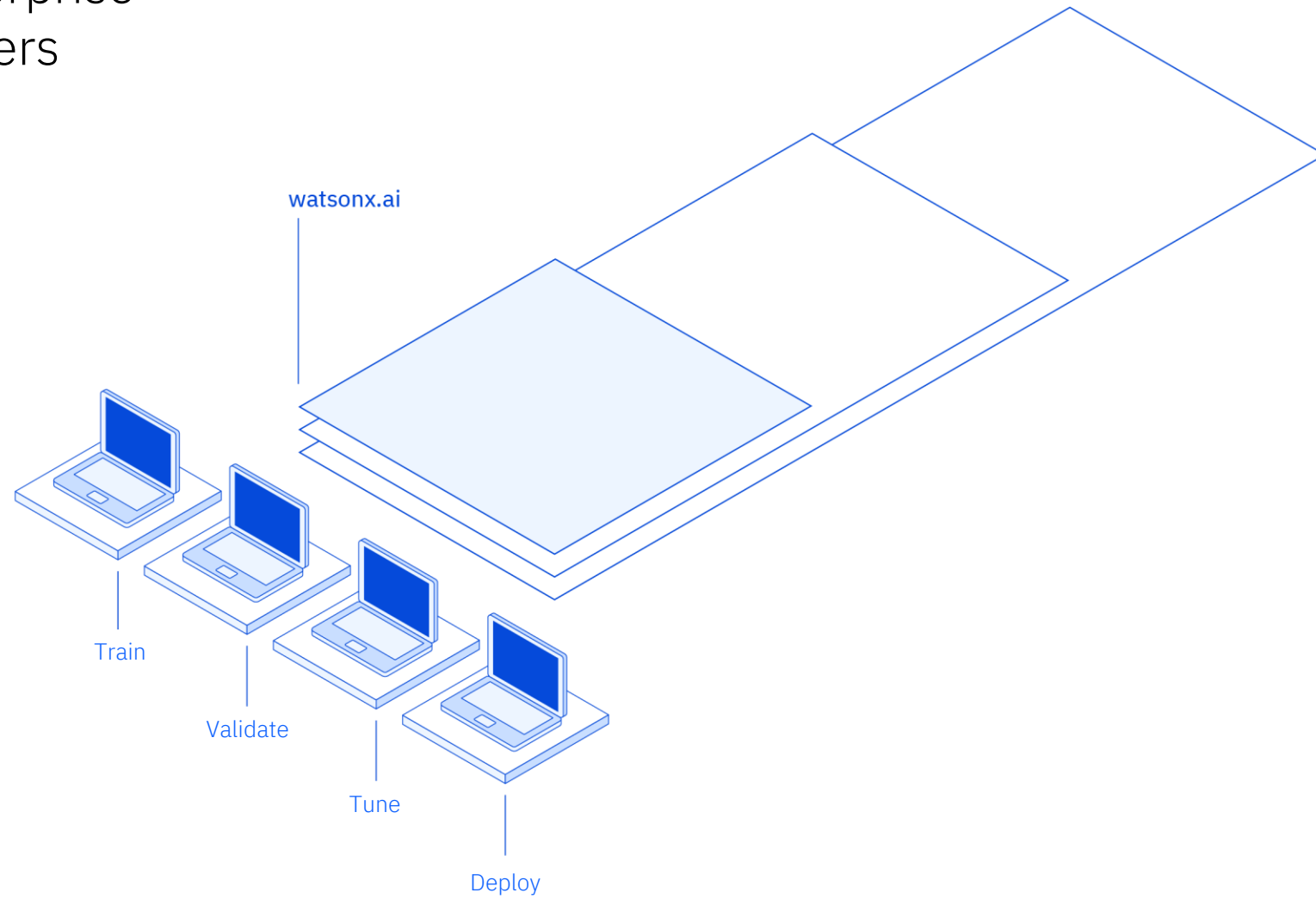
watsonx.governance

Accelerate responsible,
transparent, and explainable
AI workflows

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

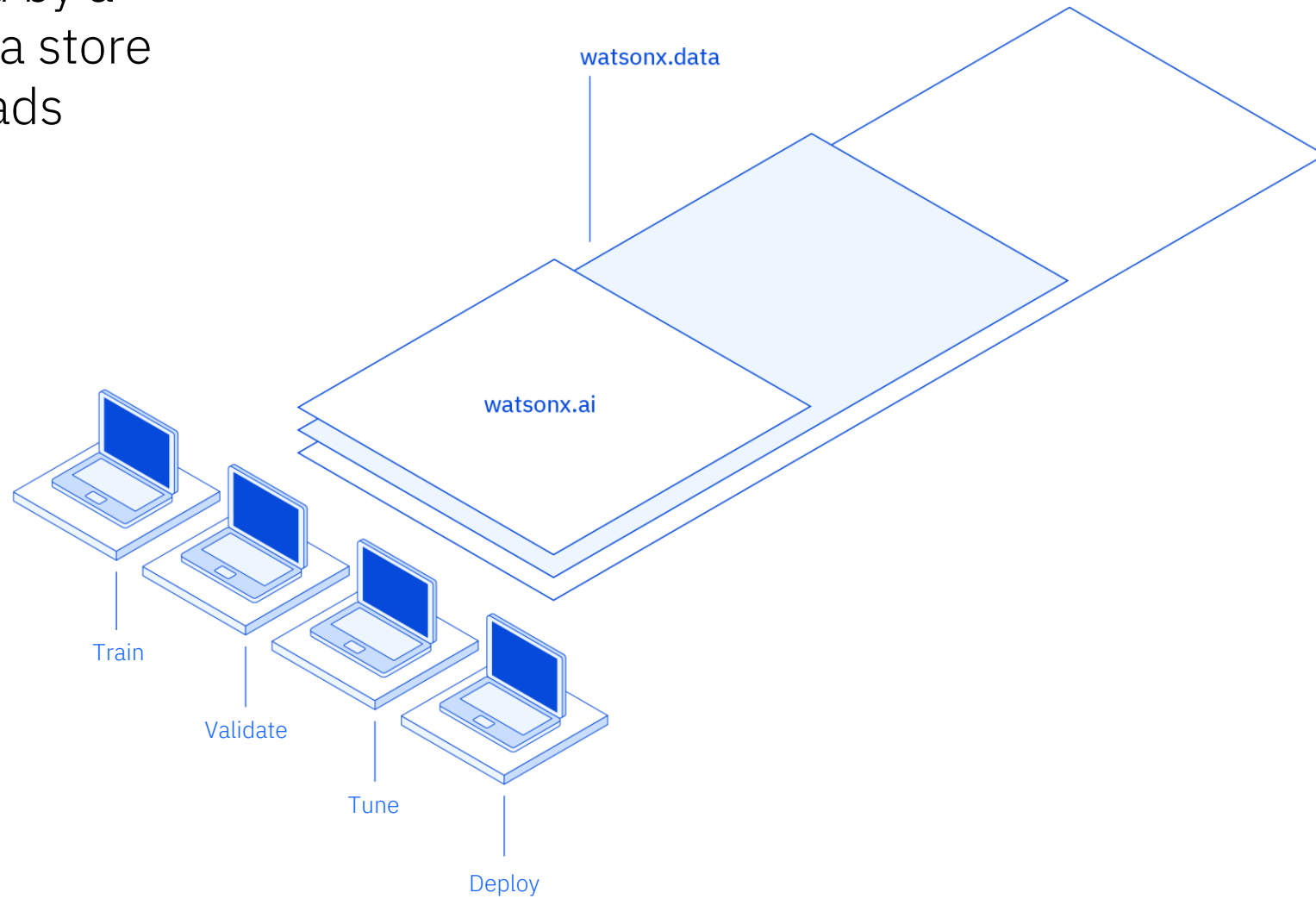
What IBM offers

watsonx: An enterprise
studio for AI builders



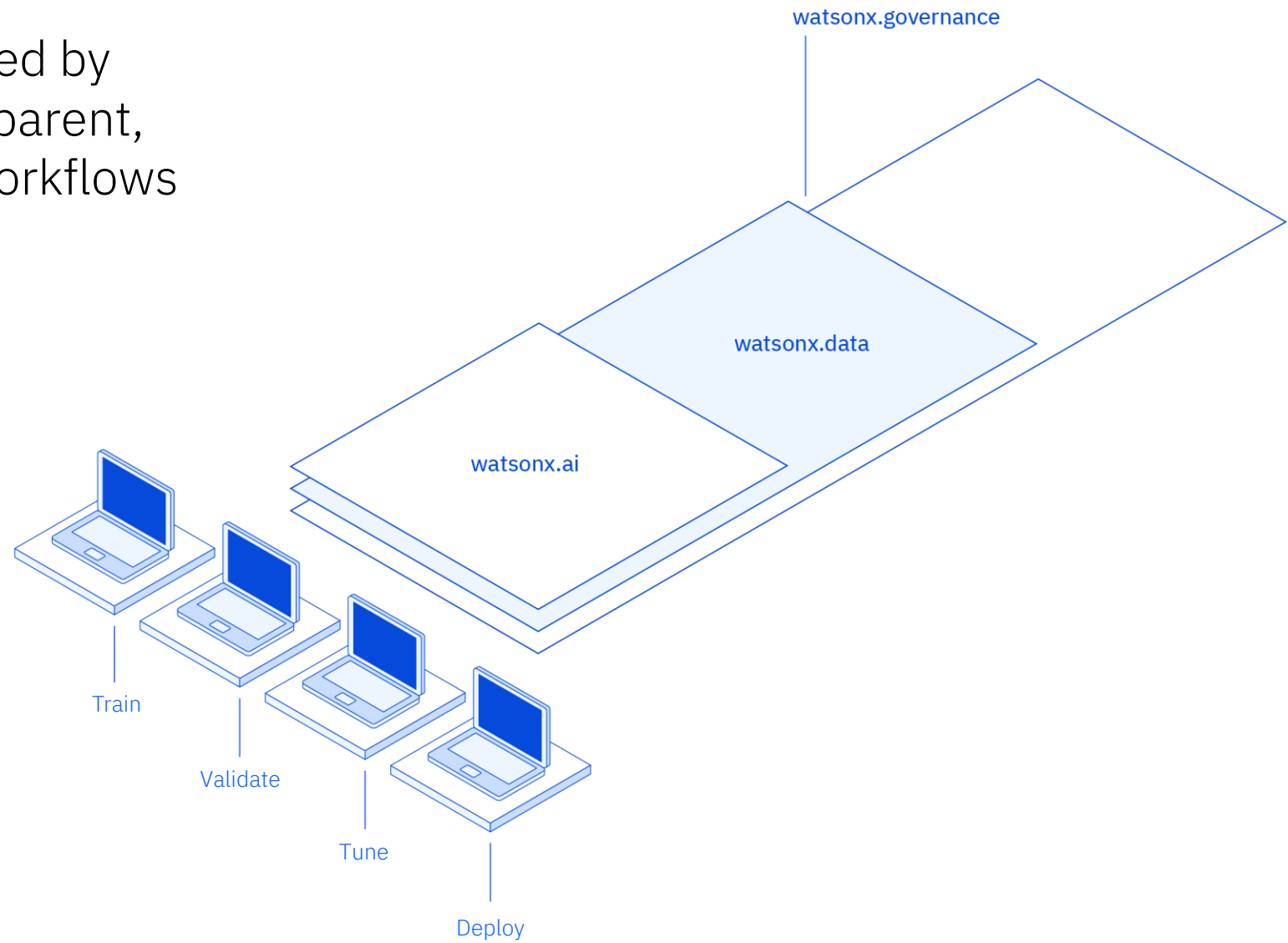
What IBM offers

watsonx: Enabled by a
fit-for-purpose data store
to scale AI workloads



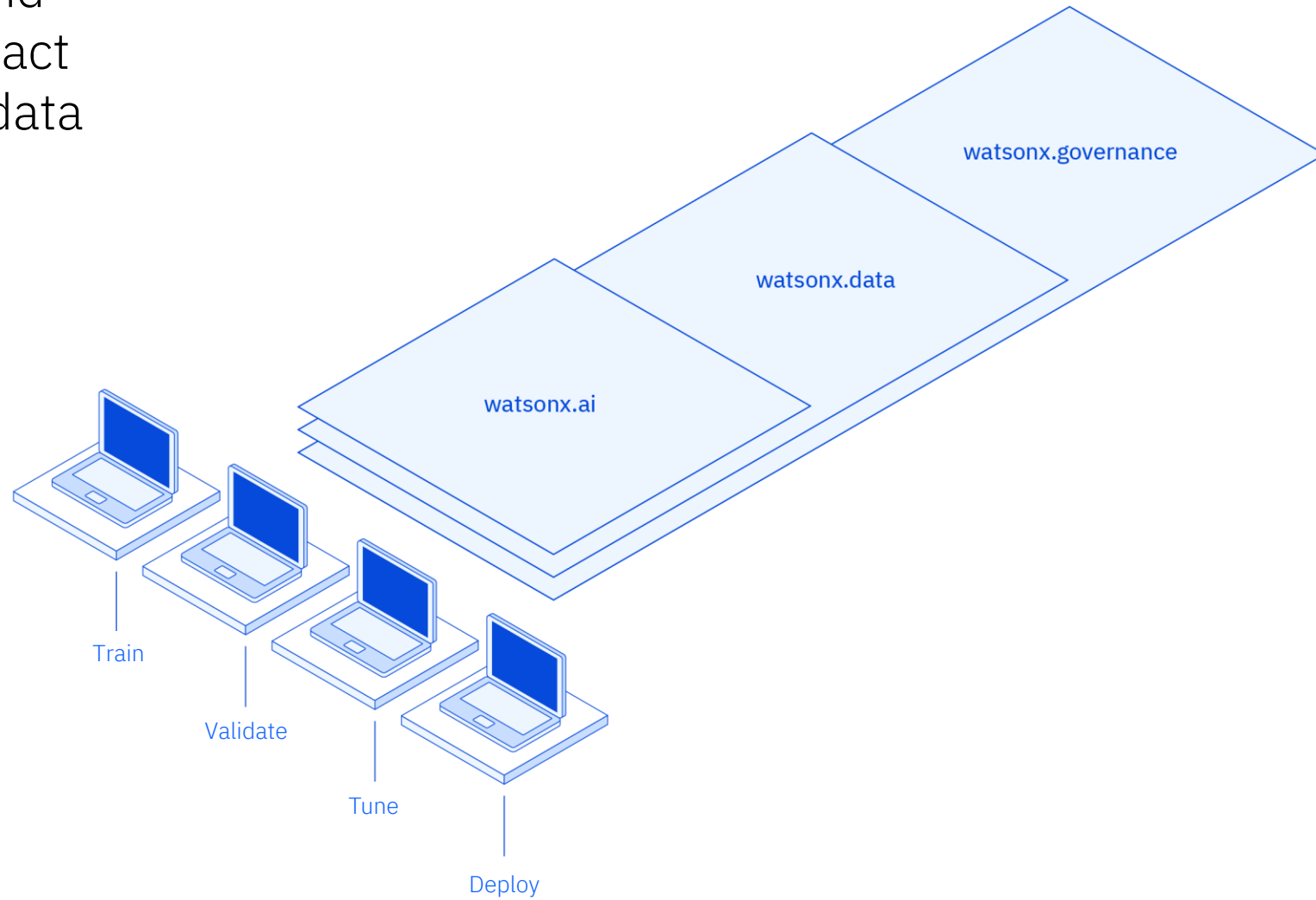
What IBM offers

watsonx: Governed by responsible, transparent, and explainable workflows



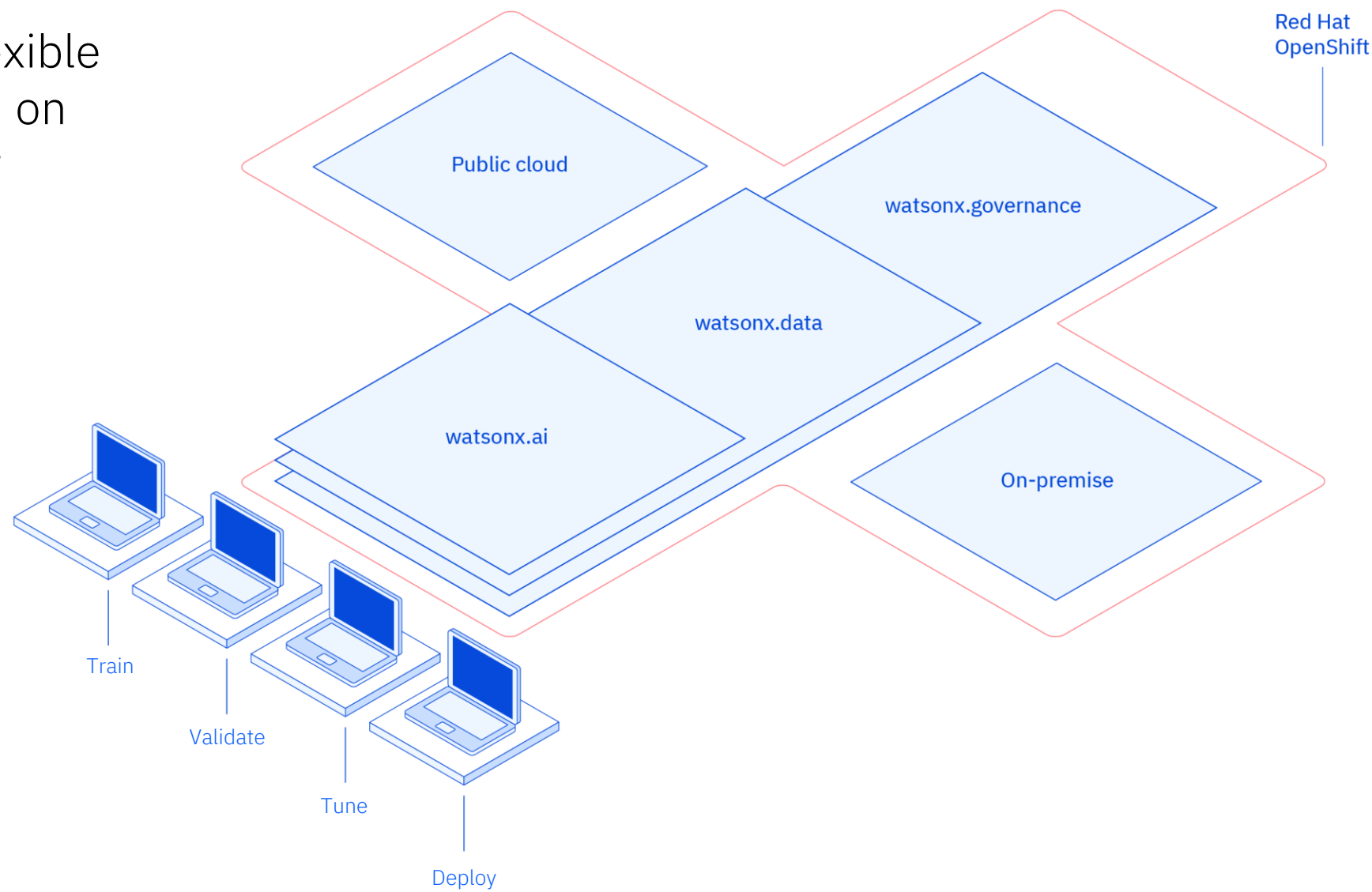
What IBM offers

watsonx: Scale and accelerate the impact of AI with trusted data



What IBM offers

watsonx: With flexible deployment based on Red Hat OpenShift



watsonx