

# IBM WATSON OPENSACLE

## BREAKING THE BARRIERS TO ENTERPRISE AI

Artificial intelligence (AI) is poised to transform organizations and remake entire industries, yet beyond common operational challenges, profound issues must be addressed before AI becomes a true business advantage.

### Trust

Users must trust AI before they'll incorporate it in their business processes. If AI is a black box, you can't know whether the outcomes are unbiased and accurate or explain the outcomes to customers, auditors or compliance teams.

### Transparency

Evolving regulations demand increasingly rigorous auditability, and AI outcomes must be explainable and auditable across the lifecycle of AI assets.

### Bias

Bias isn't only unfair; it's potentially costly in terms of legal liability and lost opportunity—a challenge made even more difficult in multi-cloud environments, which can unwittingly introduce bias as they combine and scale.

## IBM Watson OpenScale can help you:

- ➔ *Measure performance and the business impact of production AI*
- ➔ *Track actionable metrics and alerts in a single console*
- ➔ *Enable business users to understand AI outcomes*
- ➔ *Create feedback loops that improve AI accuracy, mitigate bias and correct for drift*
- ➔ *Govern AI for regulatory compliance*
- ➔ *Integrate AI more easily with existing business applications*

# 50%

*of consumers surveyed feel optimistic and informed about AI, while **50%** feel fearful and uninformed.<sup>1</sup>*

## LIFT THE CURTAIN WITH IBM WATSON OPENSACLE

IBM® Watson® OpenScale™ software is designed to create trust and transparency, taking the mystery—but not the magic—out of AI. Built on an open foundation, the Watson OpenScale platform makes it easier for data scientists, application developers, IT and AI operations teams, and business-process owners to collaboratively run and manage production AI with confidence, adapt to shifting business conditions and scale seamlessly.

## MAKE YOUR AI MORE ACCURATE, ADAPTABLE AND EXPLAINABLE

### Track it

#### *Gain greater visibility and control*

A unified console provides virtually end-to-end transparency throughout the lifecycle, with comprehensive monitoring and fine-grained control across your AI implementations.

- Track and measure AI outcomes
- Correlate outcomes to key performance indicators (KPIs)
- Enable thorough auditability
- Integrate capabilities with many common business reporting tools

### Tune it

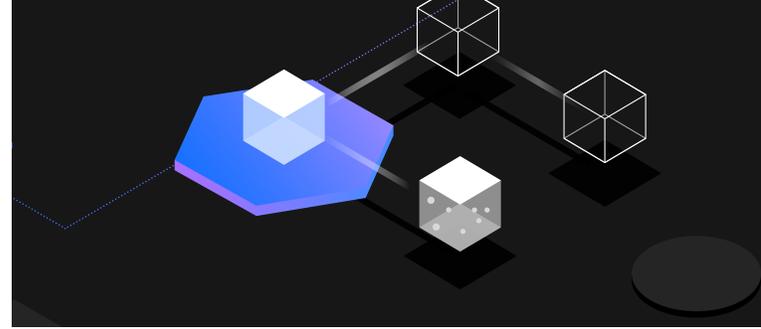
#### *Adjust models for drift and bias on the fly with greater accuracy and ease.*

- Define, apply and monitor custom and predefined model performance metrics
- Assess model accuracy with sophisticated diagnostic services and correct against drift
- Identify and get automated support to help mitigate harmful biases in both the data and the model—without retraining by the data science team
- Perform bias checks at build time and during run time to catch issues early

### Drift happens

*Over time, even the best-trained models can drift. IBM Watson OpenScale software provides automated drift detection to help mitigate errors before they happen.*

- Monitor, enhance and maintain AI accuracy
- Set alarms for custom drift thresholds
- Drill down to identify and correct the causes of drift



### Explain it

With Watson OpenScale, business users and regulators can more easily understand which factors contributed to virtually any AI outcome as well as the business results.

- Meet evolving regulatory demands and customer expectations around transparency
- Go deeper with “contrastive explanations,” a cutting-edge capability from IBM Research, which exposes greater detail on what is driving a given output

### Open it

Watson OpenScale is included in IBM Cloud Pak™ for Data, an open platform that modernizes how businesses collect, organize and analyze data and infuse AI throughout their organizations. Cloud Pak for Data also includes IBM Watson Studio and Watson Machine Learning. As a platform, Cloud Pak

- Integrates with a broad array of leading open source tools and custom machine learning engines
- Closes the skills and collaboration gaps between data science teams, IT and business process owners
- Gives organizations options for AI deployment, with connectors that allow users to build and deploy their models via the IBM Cloud™ suite of tools or virtually any other cloud platform.

Ultimately, IBM Watson OpenScale software provides innovative monitoring and management capabilities that can help you build trust, accelerate adoption, and put stronger control and governance structures around your AI investments.

## AI YOU CAN TRUST—AND VERIFY

IBM Watson OpenScale software provides thorough explainability and monitoring, helping businesses facilitate fair and accurate outcomes, remain compliant and increase confidence in the business value of AI.



### Learn more:

Contact your IBM representative or IBM Business Partner

Visit [ibm.com/cloud/watson-openscale](https://ibm.com/cloud/watson-openscale)

<sup>1</sup> Blumberg Capital, *Artificial Intelligence in 2019: Getting Past the Adoption Tipping Point*, 2019, <https://www.blumbergcapital.com/ai-in-2019/>

