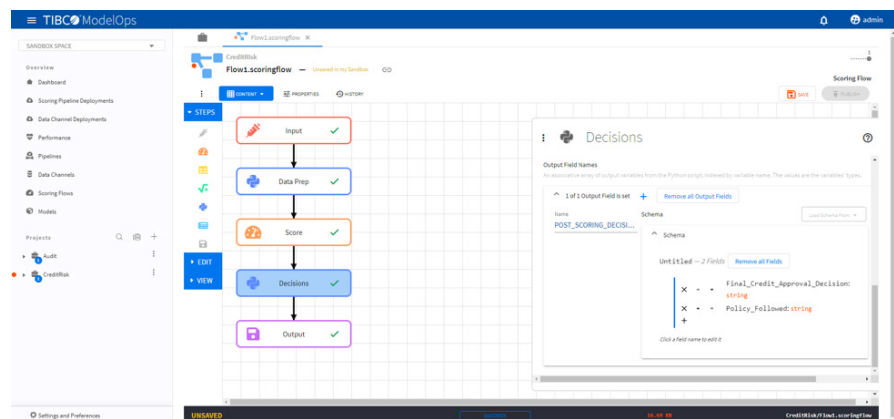


Why ModelOps Is the Operating System for Your Artificial Intelligence

Your task is clear: Deploy AI and machine learning models. TIBCO ModelOps software enables any organization to speed and simplify the development, deployment, and full lifecycle management of AI models. No more AI stuck in the lab.



The OS for your AI

Most organizations are stuck in the model development phase, where AI models languish. Recent Gartner reports¹ suggest that an astounding 85% of AI and ML projects fail to deliver on their goals. And only 53% of AI models ever make it out of the lab and into production.

1 <https://www.infoworld.com/article/3639028/why-ai-investments-fail-to-deliver.html>

TIBCO ModelOps software will enable your organizations to:

- Develop a library of reusable model components
- Keep track of deployed models and those in development
- Analyze the impact of each factor and its impact on the model
- Ensure models are fully viewable and bias-free
- Ensure models have been fully vetted

See how it displays model performance.
(video, 2:30 min.)

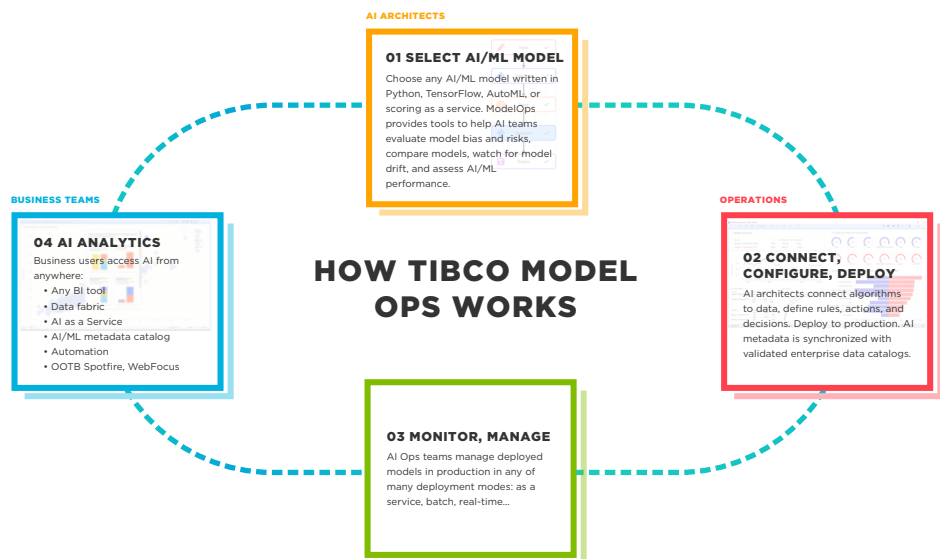
Benefits

- **Build, deploy, evaluate, and improve.** Easily evaluate models and build challengers (trial versions) and visualize the impact of every modified factor.
- **Ensure compliance.** Include granular roles, permissions, model version controls, audit logs, and electronic signatures and approval processes.
- **See everything.** Assess model quality, scoring, ROI, and potential impacts.
- **Use visual analytics to speed insight and learning.** See both deployed and models in development. Review every factor influencing a model and its contribution using interactive dashboards that display model output, metrics, A/B testing, and challenger performance.
- **Eliminate model drift / decay.** Ensure maximum business value on all deployed models with real-time insight into their status, performance, and accuracy. Review and revise models based on changing populations, demographics, market changes, and corporate initiatives.
- **Provide it for multiple roles and users.** Visual, intuitive interface and permissions for data scientists, data engineers, IT, sales teams, and risk & compliance managers.
- **Create a library of reusable models and model components.** Use self-service no code/low code drag-and-drop tools to build, update and re-use models.
- **Make AI quickly possible.** The TIBCO ModelOps low-code/no code tool allows teams to build and deploy models quickly and easily.

How TIBCO ModelOps Works

TIBCO ModelOps software enables data science to be a team sport, not the sole domain of experts. It's a no-code/low-code tool that lets anyone deploy and manage data science models written in any language. Using a clear, step-by-step process, your organization can bring tens, hundreds, or thousands of AI models out of development and into use:

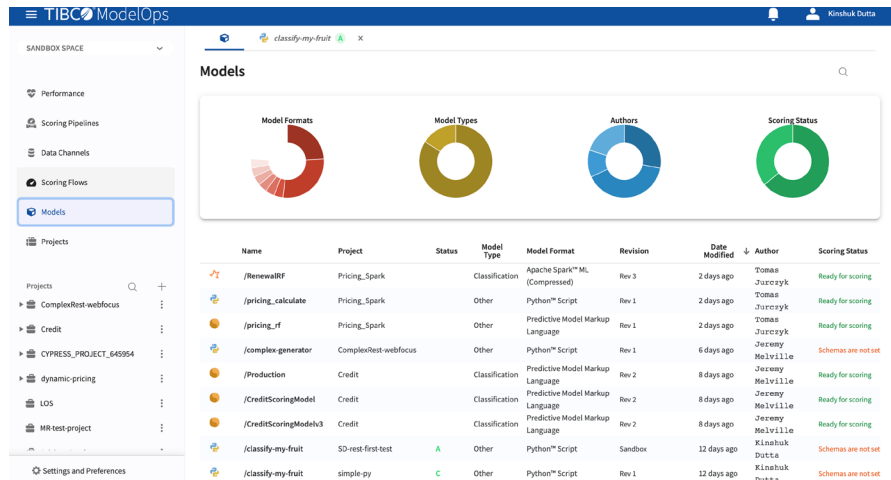
- 1 Create the model
- 2 Connect the model to your data
- 3 Build pipelines of processing steps
- 4 Deploy pipelines into containers (on-premises or in the cloud)
- 5 Analyze and manage the model using real-time visual analytics



Examples of ModelOps in Action

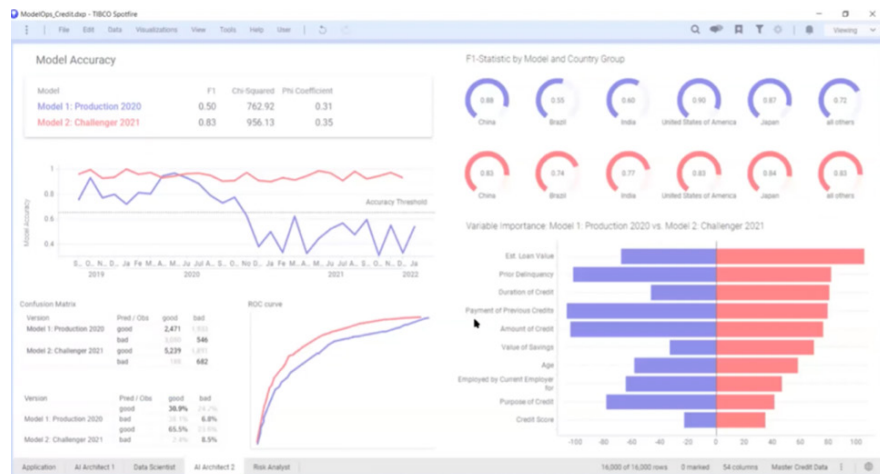
AI models are deployed across all industry sectors including advanced manufacturing, financial services, logistics, healthcare, energy, and more. A few examples of AI model applications:

- Predict loan repayment behavior
- Assess credit risk
- Estimate the likelihood of insurance fraud
- Set optimum real-time price
- Alert to possible manufacturing defects



Models can provide insight into and recommendations for an individual’s health or a prospect’s or customer’s behavior. AI models can also alert to patterns in text or in manufacturing performance.

The example below shows a real-time insurance pricing model. TIBCO ModelOps software displays all the factors contributing to the model. It also shows how the model will fare when any factor is changed. Users can even build a challenger version and assess its results.



Transparent and Bias-Free AI Models

TIBCO ModelOps software is essential for all people-facing algorithms including those that learn to discover and act on credit fraud, insurance risk, dynamic pricing, medical decisions, intrusion detection, and more. All people-facing models must be free of bias. And ensuring visible, bias-free models requires transparency of all the factors — such as age, weight, income — contributing to the model. This requires:

- Version control
- Audit logs
- Role-based security and access

ModelOps Checklist

TIBCO ModelOps software enables rapid, scalable model development, deployment, management, and transparency—taking models from idea to development to deployment. It also makes it easy to review, refresh, and revise AI models as needed.

Corporate and Regulatory Push for ModelOps

ModelOps is a scorching hot topic for good reason. It enables organizations to finally capture full value from AI and ML investments — and TIBCO ModelOps software ensures that your company's AI models are bias-free. Fairness is becoming even more critical because both the European Union and US are crafting [regulations](#) requiring AI models to be bias-free and fully visible.

TIBCO ModelOps software speeds time-to-model and deploy from development through staging, test, review, and production. Deploy in days, not months.

[Find out more about ModelOps.](#)



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