

Innovate. Govern and secure. Optimize.

Scale your open source data science innovation

Watson Studio Premium and Anaconda Repository
for IBM Cloud Pak for Data

IBM Watson®



Unite your data and AI assets to grow and scale the benefits of AI

Value propositions

Build, deploy and manage any model anywhere

Elevate your open-source data science projects with better control

Accelerate the speed of open-source AI innovation

Secure and govern AI lifecycles by getting steps ahead of vulnerabilities and new threats

Transform predictive insights into prescriptive action





20M users

Join the largest Python community

Up to 90%

of security and governance tasks can be automated

1 week

or less to full team productivity

7,500

Open source packages and libraries

Why IBM Cloud Pak for Data

AI is driving better decisions and better outcomes across all industries. IBM Cloud Pak for Data is a fully integrated data and AI platform that deploys everywhere. Cloud native by design, you can build, deploy and manage any model—whether it's based on open source, IBM tools or other pre-built services in this unified, secure environment with continuous AI governance. You can move rapidly from pilots and proof of concepts to scalable AI-powered apps in your business, and gain the ability to predict better outcomes, optimize decisions, and accelerate innovation while lowering your total cost of ownership.

By building AI models on a multicloud data and AI platform underpinned by Red Hat® OpenShift®, you can automate AI lifecycles with support for multicloud data and AI environments such as Amazon Web Services (AWS), Azure, Google Cloud, IBM Cloud™ and private cloud deployments. Extend the platform with Anaconda Repository for IBM Cloud Pak for Data to take advantage of comprehensive, managed and curated open-source libraries and tools.

To elevate your open-source data projects with better control, you can now extend Cloud Pak for Data with Anaconda Repository.

Open-source machine learning and data science are transforming AI. But to ensure that data science, development, and business stakeholders can use these resources efficiently and securely in an enterprise environment, open-source AI must be managed effectively. Open-source packages are often used outside security policies, sacrificing visibility and slowing the realization of value from data science investments.



Anaconda Repository for IBM Cloud Pak for Data

With more than 20 million users, Anaconda is the world's most popular data science tool and the foundation of modern machine learning. Anaconda Repository for IBM Cloud Pak for Data extends Cloud Pak for Data, IBM's multicloud data and AI platform, to unleash the full potential of your data science and AI initiatives.

You and your organizations can use Cloud Pak for Data to:

- Manage AI across private, hybrid and multicloud landscapes with the peace of mind of knowing the who, what, when, and where of packages and artifacts in your environment.
- Easily put open-source and proprietary packages in the hands of your team so they can be productive and efficient while maintaining control of the project.
- Always find what you're looking for with comprehensive package metadata.

Accelerate the speed of open-source AI innovation

IBM Cloud Pak for Data includes AutoAI, which can automate data science projects by as much as 80 percent. AutoAI automatically performs data preparation, model development, feature engineering, and hyper-parameter optimization of your data. By combining AutoAI and the Anaconda Repository, you can significantly accelerate the speed at which you:

- Differentiate with technology and frameworks on the cutting edge of data science and machine learning.
- Get package updates before anyone else - straight from the experts.
- Future-proof machine learning investments with open source so you are not relying on a single solution's roadmap.
- Integrate with third-party tools and platforms already in your environment.

Watch joint IBM and Anaconda Webinar →

Automate AI lifecycle management with Anaconda Repository for Cloud Pak for Data

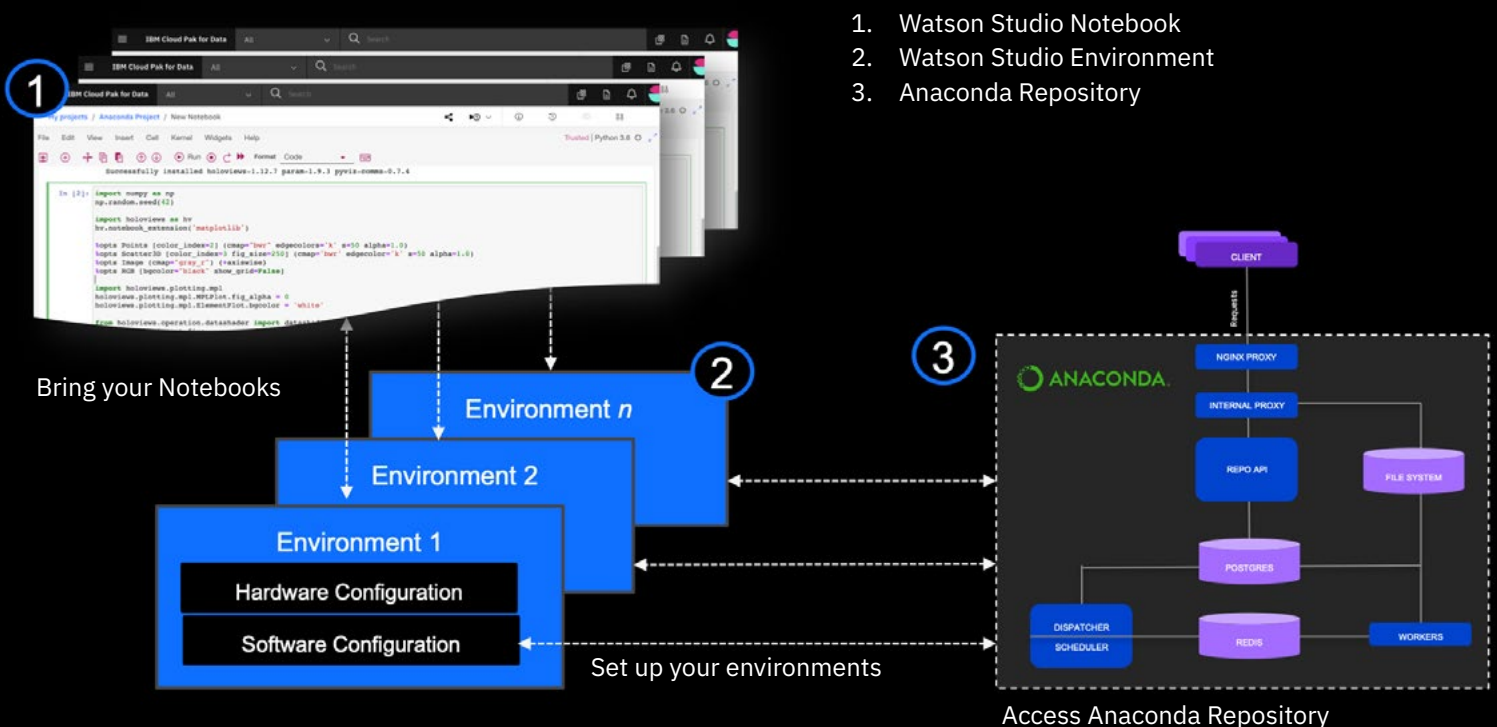


Figure 1. Set up environments and access resources in Anaconda Repository for IBM Cloud Pak for Data

Secure and govern the AI lifecycle by getting steps ahead of vulnerabilities and new threats

Security is crucial in deploying and maintaining your successful AI deployments. You need to centralize IT control and put a policy enforcement framework around user access, software package licenses, and work artifacts. This requires automating compliance and data encryption procedures to ensure your internal data network remains secure and to reduce the risk of data/ code theft.

Anaconda Repository for IBM Cloud Pak for Data is designed to catch vulnerabilities before they catch up with you. Therefore, it enables you to:

- Ensure your teams only use IT-approved packages with a private, mirrored package repository.
- Take charge of packages in use by curating, blocking, and blacklisting based on common vulnerabilities and exposures (CVE) scores and reporting.
- Govern access to packages based on users, groups, and roles and build an audit chain of custody.
- Manage production AI with trust and confidence in outcomes while maintaining regulatory compliance.

You can trace and explain AI decisions across workflows, and intelligently mitigate bias to improve outcomes.

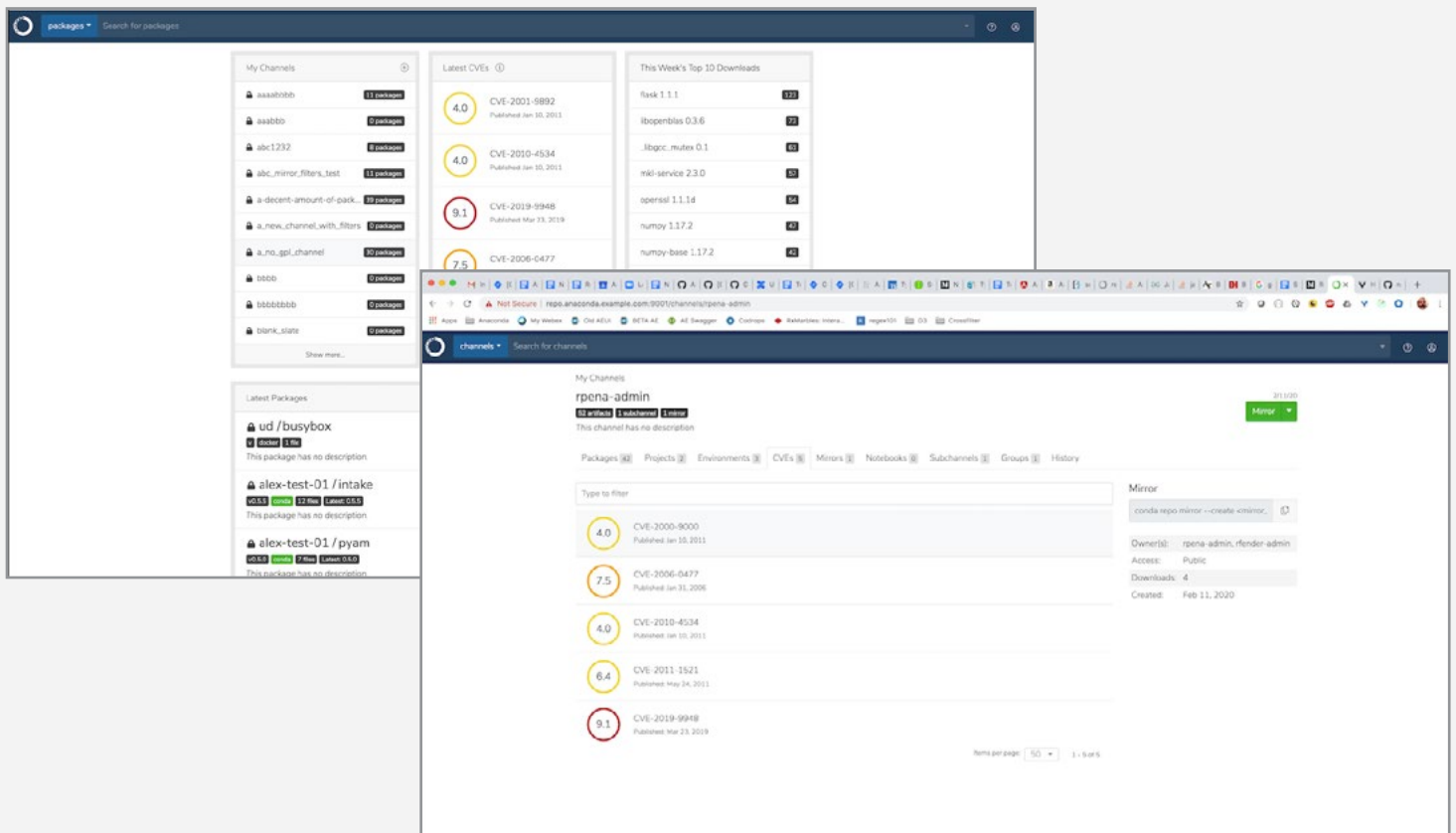
Watson Studio Premium

Predict and optimize business outcomes by expanding the use of open source and optimization

Industry leaders are now going beyond gaining insights and predictive outcomes. To address today's uncertain economy, it is crucial to prescribe actions based on your predictions.

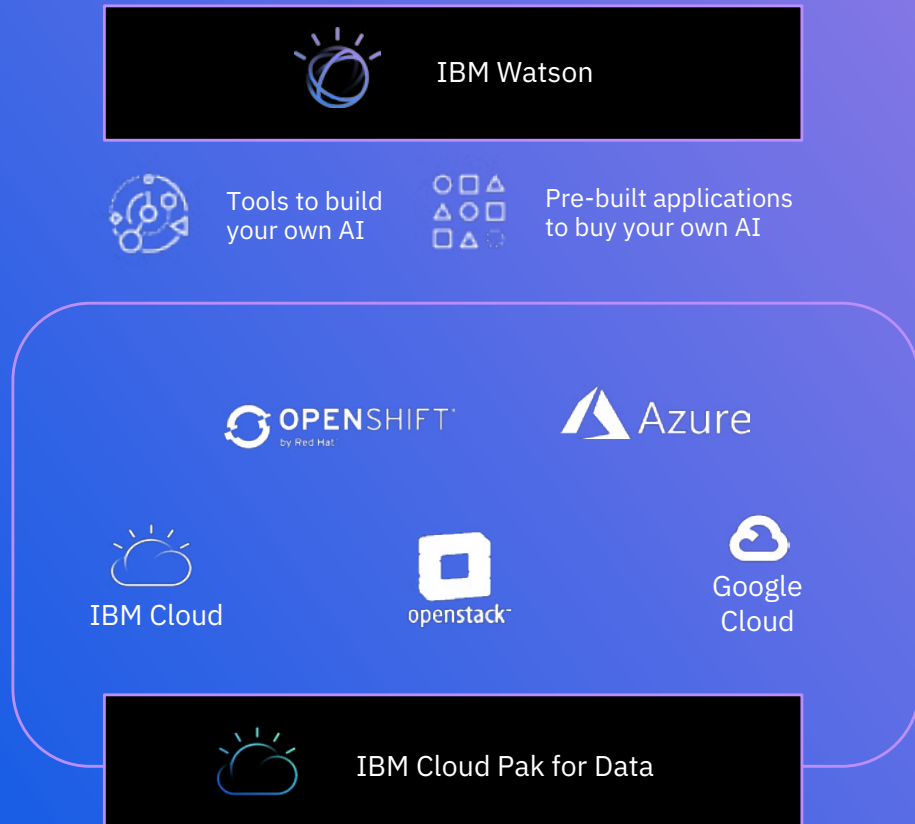
With Watson Studio Premium for Cloud Pak for Data, you can optimize your decisions by building predictive and optimization models within a unified environment. IBM Decision Optimization helps you facilitate the workflow of selecting and editing data for your optimization problem. It enables you to run optimization models and create and share reports with tables, charts and notes in the dashboard.

Modeling Assistant for Decision Optimization has a natural-language-based interface to quickly build optimization models and visualize resource allocations, scheduling and plans. You can expand the use of decision optimization throughout your organization and increase return on investment (ROI) by using Anaconda Repository for Cloud Pak for Data together with Watson Studio Premium.



IBM Cloud Pak for Data

You have everything you need to build and scale AI



One Platform - Any Cloud

Watch joint IBM and Anaconda Webinar →

Experience Cloud Pak for Data →

Learn about Watson Studio Premium for Cloud Pak for Data →



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¹ Gartner, Inc., How to Choose the Right Data Science and Machine Learning Platform, 12 March 2019 ID: G00382503

March 2020