



IBM Cloud Pak for Data <

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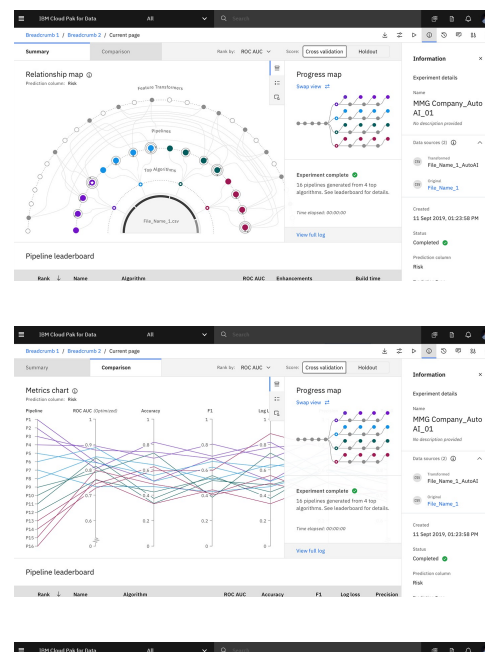
Watson Machine Learning on Cloud Pak for Data

Last Updated: 2024-04-24

Version: 4.8.5

Included

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deploy Machine Learning models. Choose the tool with the level of automation or autonomy that matches your needs.

These tools are available with the Watson Machine Learning service:

- AutoAI experiment builder for automatically processing structured data to generate model-candidate pipelines. The best-performing pipelines can be saved as a machine learning model and deployed for scoring.
- Notebooks provide an interactive programming environment for working with data, testing models, and rapid prototyping
- Deep Learning experiments automates running hundreds of training runs while tracking and storing results. To use Deep Learning experiments, you must install and configure Watson Machine Learning Accelerator.
- Deployment spaces give you the tools to view and manage model deployments.
- Federated Learning to train models using remote, disconnected data sources. The federated sources can contribute to building an accurate model without compromising security.
- Tools to view and manage model deployments.

If you have the Data Governance Express® offering, the Federated Learning feature of the Watson Machine Learning service is not available.

Quick links

- [Install](#): Install the service
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Integrated services

Table 1. Prerequisite services. This service requires the following prerequisite services to be installed.

Service	Capability
Watson Studio	Prepare, analyze, and model data in a collaborative environment with tools for data scientists, developers, and domain experts.

Table 2. Supplemental services. You can extend the functionality of this service with the following supplemental services, which require this service.

Service	Capability
Decision Optimization	Find the most appropriate prescriptive solutions to your business problems by using CPLEX optimization engines to evaluate millions of possibilities.
watsonx.ai	Train, validate, and deploy AI models.

Table 3. Related services. The following related services are often used with this service and provide complementary features, but they are not required.

Service	Capability
SPSS® Modeler	Create flows to prepare data, develop and manage models, and visualize data. No coding required.
Analytics Engine powered by Apache Spark	Run analytical, machine learning, and Spark API jobs on Apache Spark clusters.
Watson OpenScale	Infuse your AI with trust and transparency. Understand how your AI models detect and mitigate bias.
Watson Machine Learning Accelerator	Manage the lifecycle of training Deep Learning models, from data ingest and preparation to moving the model into production.
AI Factsheets	Use AI Factsheets to organize and track lineage events, facts, and details for each of your machine learning models' lifecycle, and increase transparency for model governance needs.
Watson Pipelines	Use Watson Pipelines and create end-to-end flows of machine learning pipelines to create models and customize various functions.

While IBM values the use of inclusive language, terms that are outside of IBM's direct influence, for the sake of maintaining user understanding, are sometimes required. As other industry leaders join IBM in embracing the use of inclusive language, IBM will continue to update the documentation to reflect those changes.

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