IBM Cloud Pak for Data ‹

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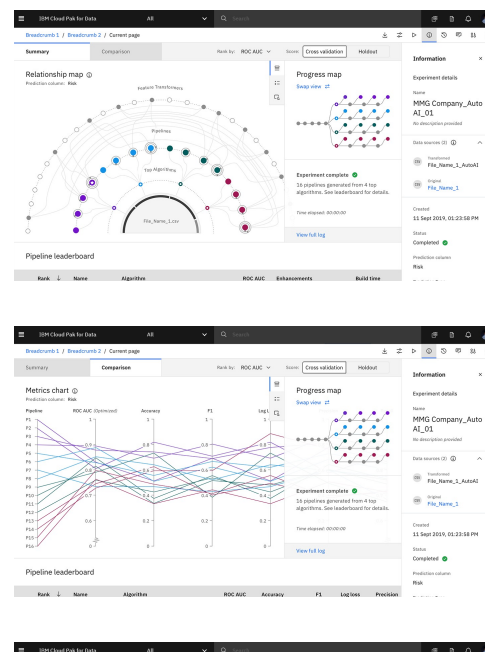🔍 Filter on titles

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Watson Machine Learning on Cloud Pak for Data

Last Updated: 2024-04-24

Version: 4.8.5   Included   IBM

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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
- [Upgrade](): Upgrade the service
- [Use](): Work with the service
- [What's new](): See a list of new features
- [Known issues](): View limitations
- [Administer](): Manage and maintain the service
- [Develop](): Write code and build applications

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.

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