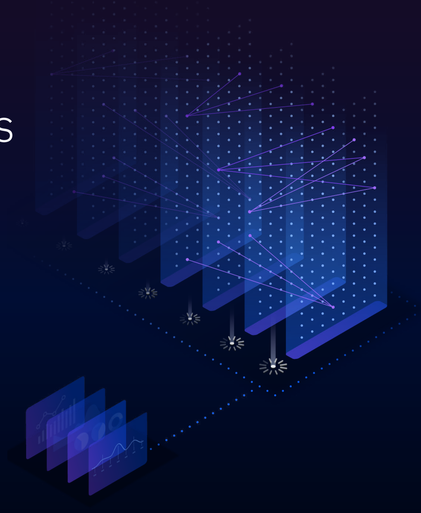
Accelerate deep learning workloads with IBM Cloud Pak for Data

From speech recognition and sentiment analysis to risk management and public safety, deep learning can play a crucial role in every industry. Implementing deep learning on a unified data and AI platform such as IBM Cloud Pak® for Data helps organizations automate AI lifecycles and accelerate model training and inference on a multitenant, multicloud architecture.



Get more from your deep learning investments[1]

11x
faster GPU performance with accelerated ML library

94%
scaling efficiency for training from 6 to 48 GPU

45%
inference throughput enhancement vs. open source

Why run deep learning on IBM Cloud Pak for Data?

IBM Watson® Machine Learning Accelerator, a capability within Watson Studio on IBM Cloud Pak for Data, helps you:

Optimize your AI and cloud deployment
Break down silos and integrate deep learning in AI lifecycles. Seamlessly work on IBM Cloud®, Amazon Web Services (AWS), Azure, Google Cloud and private clouds.

Accelerate AI training without disruptions
Scale hosts and GPUs up or down with dynamic reallocation. Select best hyperparameters with auto-searches.

Drive faster insight by auto-scaling AI inference
Improve availability, throughput and latency. Run data preparation and discovery in parallel.

Speed up commonly used algorithms
Run top Kaggle ML models faster: **11x** on Logistic Regression, **13x** on Random Forest, and **102x** on Decision Tree.[1]

Unique approaches to deep learning with IBM Cloud Pak for Data

Multitenant architecture supporting up to thousands of servers, users and apps

Secure, customizable virtual clusters for each tenant

Large data set and model support, ideal for image classification

Elastic, distributed AI training and inference

AI lifecycle management to build, run and deploy models

Human and machine insights with integrated data and AI services

The projected total economic impact of IBM Cloud Pak for Data[2]

$14.6–$22.2 M
risk-adjusted three-year present value (PV)

$1.2–$3.4 M
data science, ML and AI benefits

86%–158%
projected return on investment

Get started

Read the expert Q&A →

Visit our website →

1 Performance test estimate by IBM Systems and IBM Clients, 2020
2 "New Technology: The Projected Total Economic Impact™ Of IBM Cloud Pak For Data," a commissioned study conducted by Forrester Consulting, February 2020.