

cloud.ibm.com/resources

IBM Cloud

watson.ai stud

Resource list

Catalog Results

View all catalog results

Create resource +

Product Status Tags

Filter... Filter... Filter... Filter...

Name

Compute (0)

Containers (0)

Networking (0)

Storage (0)

Converged infrastructure (0)

Enterprise applications (0)

AI / Machine Learning (0)

Analytics (0)

Blockchain (0)

Databases (0)

Developer tools (0)

Observability (0)

0 resource results found

watsonx.ai Studio Service

AiSolved - Seekers Of Knowledge Meet AI Solutions Service

Cloud automation for watsonx.ai Software

One37 Business Studio Software

STAR Virtual Learning Platform (VLP) Service

Search "watson.ai stud" in Support Cases

Search "watson.ai stud" in Docs

Cloud icon with 6 notifications

Taskbar icons: File Explorer, Search, Task View, Microsoft Edge, Microsoft Word, Google Chrome, WhatsApp, Netflix, Camera, OneDrive, GitHub, Microsoft Store, Task Manager, Power User Menu, Network Connection, ENG IN, WiFi, Volume, Battery, Date/Time: 04-08-2025, 14:54

cloud.ibm.com/services/data-science-experience/crn%3Av1%3Abuemix%3Apublic%3Adata-science-experience%3Aau-syd%3Aa%2F6799aa37d7c74f74b81fec65c5a4f75c%3... Finish update

IBM Cloud Search resources and products... Catalog Manage Sujoya Ghosh's Account

Resource list /

watsonx.ai Studio-bt

Add tags

Details Actions

Manage Plan

watsonx.ai Studio in Cloud Pak for Data and watsonx

Build and deploy machine learning models on either platform. Work with foundation models on watsonx as a Service.

Launch in

IBM watsonx.ai Studio in Cloud Pak for Data and watsonx

IBM Cloud Pak for Data, watsonx Unifying platforms

IBM Cloud Base cloud infrastructure

IBM watsonx.ai Studio is part of IBM Cloud Pak for Data and watsonx, and serves as the AI capability of the data fabric architecture.

Helpful links

Documentation Learning path Videos

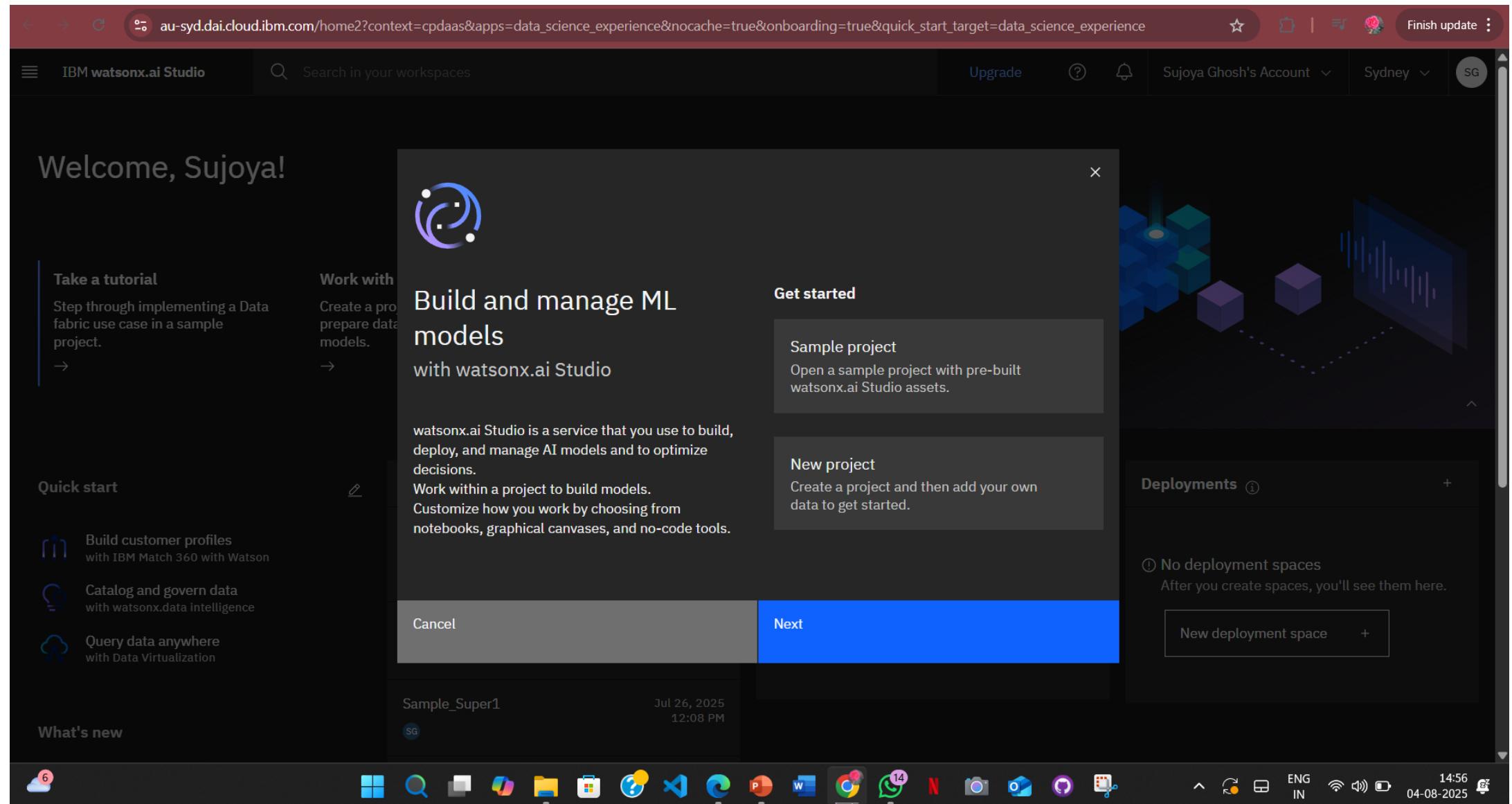
Cloud 6 ENG IN 14:55 04-08-2025

The screenshot shows the IBM Watsonx.ai Studio interface. At the top, there's a header bar with the URL "au-syd.dai.cloud.ibm.com/home2?context=cpdaas&apps=data_science_experience&nocache=true&onboarding=true&quick_start_target=data_science_experience", a search bar, and account information for "Sujoya Ghosh's Account" and "Sydney".

The main content area features a "Welcome, Sujoya!" message. Below it, there are several sections:

- Take a tutorial**: Step through implementing a Data fabric use case in a sample project. (with an arrow icon)
- Work with**: Create a project, prepare data, models. (with an arrow icon)
- Quick start**:
 - Build customer profiles with IBM Match 360 with Watson
 - Catalog and govern data with Watsonx.data intelligence
 - Build and manage ML models with Watsonx.ai Studio
 - Query data anywhere with Data Virtualization
- Build and manage ML models with Watsonx.ai Studio**: A large central section with a purple circular logo. It includes a "Get started" button for provisioning Watsonx.ai Studio and Runtime, and a "Provision Watsonx.ai Runtime" button with a checked checkbox.
- Deployments**: A section indicating "No deployment spaces" and a "New deployment space" button.

At the bottom, there's a navigation bar with icons for cloud, search, file, help, and more, along with system status indicators like battery level and network connection.



au-syd.dai.cloud.ibm.com/data/catalog/cloud-object-storage?context=cpdaas&target=cloud-object-storage&closeTab=true

IBM watsonx.ai Studio Search in your workspaces Upgrade ? Bell Sujoya Ghosh's Account Sydney SG

Services catalog /

Cloud Object Storage

Author: IBM • Date of last update: Apr 15, 2025 • [Docs](#) • [API Docs](#)

Create About

Pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or region: United States

Plan	Features	Pricing
One-Rate	One-Rate Plan is a Pay-as-You-Go option with a single, flat monthly rate (\$/GB) that includes storage, API operations, retrieval, and outbound bandwidth—making it ideal for high-activity workloads with frequent access and data transfer, such as analytics, media, and web apps. The plan includes built-in allowances that scale with stored capacity and offers automatic volume discounts as usage grows	
Lite(deprecated)	Lite plan instance is free to use for Storage capacity up to 25 GB per month. Lite plan instance is used for trial, and can be easily upgraded to Standard plan for unlimited scalability and full functionality. None Lite plan services are deleted after 30 days of inactivity.	Free <input checked="" type="checkbox"/>
Standard	Standard Plan is a flexible Pay-as-You-Go option with no minimum fee—ideal for workloads with large	

Cloud Object Storage
Region: Global
Plan: Lite(deprecated)
Service name: Cloud Object Storage-kr
Resource group: Default

Create View terms Cancel



6 ENG IN 14:56 04-08-2025

au-syd.dai.cloud.ibm.com/projects/d85e0c73-c91e-417e-86bc-47d5a19c829a?context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade ? ⚡ Sujoya Ghosh's Account Sydney SG

Projects / Final IBM project

Overview Assets Jobs Manage

Start working Recommended

- Add users as collaborators →
- Add data to work with →
- Work with data and models in Python or R notebooks →
- Build machine learning models automatically →

[View all](#) [Collapse](#)

Assets By all ▾

Assets that you create with tools show here. See all assets, including data assets, on the Assets page.

 View all

Resource usage

For this month in this project 0 CUH

Your documentation New!

Get started with your documentation
You can create and manage documents about work that you do in this project.

[Open Documentation editor](#) →

Project history

Cloud storage icon (6) Windows icon Search icon Taskbar icons (Cloud, File Explorer, Edge, etc.) Network connection icon ENG IN 14:58 04-08-2025

au-syd.dai.cloud.ibm.com/projects/d85e0c73-c91e-417e-86bc-47d5a19c829a/manage/services?context=cpdaas

IBM watsonx.ai Studio

Search in your workspaces

Upgrade ? 🔔 Sujoya Ghosh's Account Sydney SG ⋮

Projects / Final IBM project

Associate service

Choose an existing or add a new service to associate with your project.

Default Locations

Find services New service +

Name	Type	Plan	Location	Status	Group
watsonx.ai Runtime-It ⓘ	watsonx.ai Runtime	Lite	Sydney	Not associated	Default

Cancel Associate

Cloud 6 Windows Search File Explorer Microsoft Edge Microsoft Word Microsoft Excel Google Chrome WhatsApp Netflix Camera OneDrive Microsoft Teams 14 14:58 ENG IN 04-08-2025

The screenshot shows the IBM WatsonX.ai Studio interface. The top navigation bar includes links for 'IBM WatsonX.ai Studio', 'Search in your workspaces', 'Upgrade', 'Help', 'Notifications', 'Sujoya Ghosh's Account', 'Sydney', and a user icon. The main content area is titled 'Build machine learning models automatically' and describes creating an AutoAI experiment asset. It features two main sections: 'Define details' and 'Define configuration'. In 'Define details', there is a 'Name' field with placeholder 'Enter a name', a 'Description (optional)' field with placeholder 'What's the purpose of this AutoAI experiment?', and a 'Tags (optional)' field with placeholder 'Start typing to add tags'. In 'Define configuration', there is a 'watsonx.ai Runtime service instance' field containing 'watsonx.ai Runtime-lt', an 'Environment definition' section with 'Large: 8 CPU and 32 GB RAM', and a note about capacity units. At the bottom, there are 'Cancel', 'Back', and 'Create' buttons.

The screenshot shows the IBM Watsonx.ai Studio interface. The top navigation bar includes links for 'IBM Watsonx.ai Studio', 'Search in your workspaces', 'Upgrade', 'Help', 'Sujoya Ghosh's Account', 'Sydney', and 'SG'. The main content area is titled 'Build machine learning models automatically' and provides instructions to 'Define the details to create an AutoAI experiment asset and open it in the AutoAI tool'. On the left, there are tabs for 'Overview', 'Start', and 'Assets'. A sidebar on the left has buttons for '+ New' (highlighted in blue), 'Sample', 'View', and 'Assets'. The central form is divided into two sections: 'Define details' and 'Define configuration'. In 'Define details', the 'Name' field contains 'Power Fault Detection'. In 'Define configuration', the 'Environment definition' dropdown is set to 'Large: 8 CPU and 32 GB RAM'. Below this, a note states: 'This environment definition consumes 20 capacity units per hour for training. For details, see [watsonx.ai Runtime plans](#)'. At the bottom of the form are 'Cancel', 'Back', and 'Create' buttons. The status bar at the bottom shows various system icons and the date '04-08-2025'.

au-syd.dai.cloud.ibm.com/ml/auto-ml/fdd2511d-1086-4bf6-b31f-146f8bb933c9/configure?projectId=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade ? Bell Sujoya Ghosh's Account Sydney SG

Projects / Final IBM project / Power Fault Detection

Configure AutoAI experiment

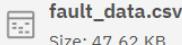
Power Fault Detection ↴

Add data source

Add files such as tabular data (CSV).

[Browse](#)

[Select from project](#)



fault_data.csv

Size: 47.62 KB

Configure details



Create a time series analysis?

Enable this option to predict future activity over a specified date/time range. Data must be structured and sequential. [Learn more](#)

[Yes](#)

[No](#)

au-syd.dai.cloud.ibm.com/ml/auto-ml/fdd2511d-1086-4bf6-b31f-146f8bb933c9/configure?projectid=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade ? Bell Sujoya Ghosh's Account Sydney SG ::

Navigation Menu IBM project / Power Fault Detection

Configure AutoAI experiment

Power Fault Detection

Autosaved: 3:00:33 PM

Add data source

Add files such as tabular data (CSV).

Browse Select from project

fault_data.csv Size: 47.62 KB Columns: 13

Configure details

Enable this option to predict future activity over a specified date/time range. Data must be structured and sequential. [Learn more](#)

Yes No

What do you want to predict?

Prediction column: Fault Type

Fault Type

PREDICTION TYPE Multiclass Classification

OPTIMIZED FOR Accuracy & run time

CUH remaining: 20 CUH

Experiment settings Run experiment

https://au-syd.dai.cloud.ibm.com/ml/auto-ml/fdd2511d-1086-4bf6-b31f-146f8bb933c9/configure?projectid=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas#

Cloud icon (6) Windows Start button Search icon File icon Microsoft Edge icon Visual Studio icon Microsoft Word icon Google Chrome icon WhatsApp icon Netflix icon Camera icon OneDrive icon GitHub icon Task View icon Network icon ENG IN WiFi signal 15:00 04-08-2025

au-syd.dai.cloud.ibm.com/ml/auto-ml/fdd2511d-1086-4bf6-b31f-146f8bb933c9/train?projectId=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas

IBM watsonx.ai Studio

Search in your workspaces

Upgrade

Sujoya Ghosh's Account

Sydney

SG

Projects / Final IBM project / Power Fault Detection

Experiment summary Pipeline comparison ★ Rank by: Accuracy (Optimized) | Cross validation score

Relationship map ⓘ Prediction column: Fault Type

fault_data.csv

Progress map Swap view

Pending FAULT_DATA.CSV

Starting the AutoAI experiment

Time elapsed: 0 seconds

View log Save code

Pipeline leaderboard

Accuracy (Optimized)

Cloud icon with 6 notifications

Windows taskbar icons: File Explorer, Task View, Edge, File Explorer, VS Code, File Explorer, Google Chrome, WhatsApp, Netflix, Camera, OneDrive, GitHub, Microsoft Store

System tray: Battery, Network, Volume, Language (ENG IN), Date (04-08-2025), Time (15:01)

IBM watsonx.ai Studio Search in your workspaces Upgrade ? Bell Sujoya Ghosh's Account Sydney SG

Projects / Final IBM project / Power Fault Detection

Experiment summary Pipeline comparison ★ Rank by: Accuracy (Optimized) | Cross validation score

Relationship map ⓘ Prediction column: Fault Type

90% TRAINING DATA 3 folds
fault_data.csv
10% HOLDOUT DATA

Progress map Swap view

Splitting data FAULT_DATA.CSV Splitting holdout and training data Time elapsed: 85 seconds

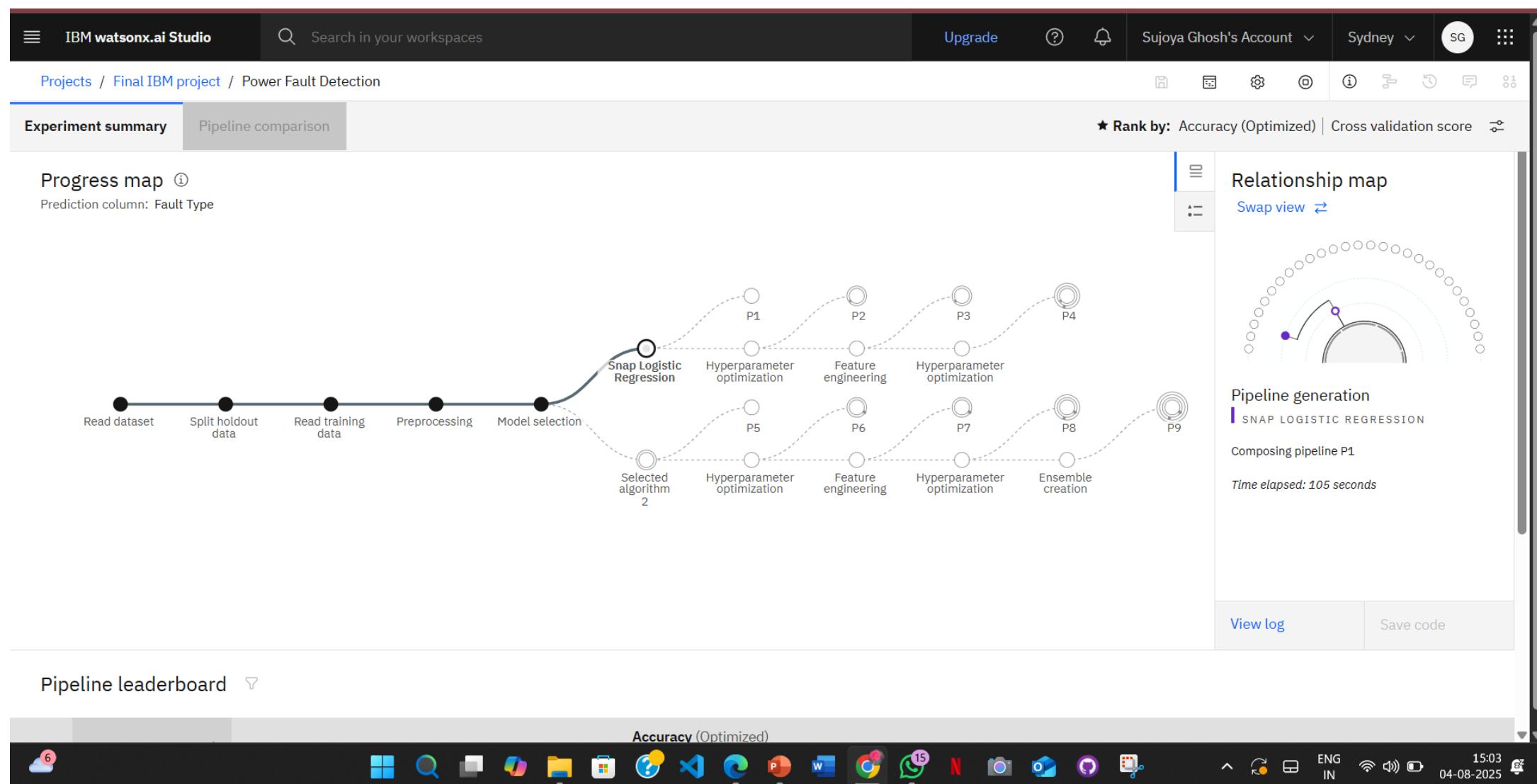
View log Save code

Pipeline leaderboard

Accuracy (Optimized)

Cloud icon with 6 notifications, Search, File, Settings, Task, Visual Studio Code, Word, Google Sheets, WhatsApp, Netflix, Camera, ODBC, Docker, and a few other icons.

15:02 04-08-2025 ENG IN



au-syd.dai.cloud.ibm.com/ml/auto-ml/fdd2511d-1086-4bf6-b31f-146f8bb933c9/train?projectId=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade ? Sujoya Ghosh's Account Sydney SG

Projects / Final IBM project / Power Fault Detection

Experiment summary Pipeline comparison ★ Rank by: Accuracy (Optimized) | Cross validation score

Relationship map ⓘ Prediction column: Fault Type

FEATURE TRANSFORMERS

PIPLINES

TOP ALGORITHMS

fault_data.csv

Progress map Swap view

Experiment completed 9 PIPELINES GENERATED

9 pipelines generated from algorithms. See pipeline leaderboard below for more detail.

Time elapsed: 5 minutes

View log Save code

Pipeline leaderboard ▾

Accuracy (Optimized)

Cloud 6 Windows Search File Microsoft Edge Microsoft Word Google Chrome WhatsApp Netflix Camera Office Microsoft Excel Microsoft PowerPoint Microsoft Word 15:08 IN 04-08-2025 ENG

au-syd.dai.cloud.ibm.com/ml/auto-ml/fdd2511d-1086-4bf6-b31f-146f8bb933c9/train?projectId=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas

IBM watsonx.ai Studio

Search in your workspaces

Upgrade ? Sujoya Ghosh's Account Sydney SG

Projects / Final IBM project / Power Fault Detection

Experiment summary Pipeline comparison ★ Rank by: Accuracy (Optimized) | Cross validation score

Relationship map ⓘ
Prediction column: Fault Type

Progress map
Swap view ↗

Experiment completed ✓
9 PIPELINES GENERATED
9 pipelines generated from algorithms. See pipeline leaderboard below for more detail.
Time elapsed: 5 minutes

[View log](#) [Save code](#)

Pipeline leaderboard ▾

Rank	↑	Name	Algorithm	Specialization	Accuracy (Optimized) Cross Validation	Enhancements	Build time
★ 1		Pipeline 9	Batched Tree Ensemble Classifier (Random Forest Classifier)	INCR	0.409	HPO-1 FE HPO-2 BATCH	00:00:44
2		Pipeline 8	Random Forest Classifier		0.409	HPO-1 FE HPO-2	00:00:40
3		Pipeline 4	Snap Logistic Regression		0.393	HPO-1 FE HPO-2	00:01:15

Cloud icon with 6 notifications Taskbar icons (Windows, Search, File Explorer, Edge, VS Code, etc.) Network, Battery, Volume, Date/Time (04-08-2025, 15:09)

au-syd.dai.cloud.ibm.com/ml/auto-ml/fdd2511d-1086-4bf6-b31f-146f8bb933c9/train?projectId=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas

IBM watsonx.ai Studio

Search in your workspaces

Upgrade ? ⚙️

Sujoya Ghosh's Account Sydney SG

Projects / Final IBM project / Power Fault Detection

Experiment summary Pipeline comparison ★ Rank by: Accuracy (Optimized) | Cross validation score

Progress map ⓘ Prediction column: Fault Type

Relationship map Swap view

Experiment completed 9 PIPELINES GENERATED 9 pipelines generated from algorithms. See pipeline leaderboard below for more detail. Time elapsed: 5 minutes

View log Save code

Pipeline leaderboard

Rank	Name	Algorithm	Specialization	Accuracy (Optimized) Cross Validation	Enhancements	Build time
1	Pipeline 9	Batched Tree Ensemble Classifier (Random Forest Classifier)	INCR	0.409	HPO-1 FE HPO-2 BATCH	00:00:44
2	Pipeline 8	Random Forest Classifier		0.409	HPO-1 FE HPO-2	00:00:40
3	Pipeline 4	Snap Logistic Regression		0.393	HPO-1 FE HPO-2	00:01:15

6

15:09 04-08-2025

The screenshot shows the IBM Watsonx.ai Studio interface. The top navigation bar includes the URL au-syd.dai.cloud.ibm.com/ml/auto-ml/fdd2511d-1086-4bf6-b31f-146f8bb933c9/train?projectid=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas, account information for Sujoya Ghosh's Account, location Sydney, and a 'Finish update' button.

The main workspace shows a project structure: Projects / Final IBM project / Power Fault Detection. A sidebar on the left lists 'Experiments', 'Pipelines', and a star icon.

A 'Save as' dialog is open, prompting to 'Select asset type'. Two options are shown: 'Model' (selected) and 'Notebook'. The 'Model' section describes it as a watsonx.ai Runtime model asset for testing, deploying, and tracing lineage activity.

The 'Define details' section contains the following fields:

- Name:** P9 - Random Forest Classifier: Power Fault Detection
- Description (optional):** Model description
- Tags:** Add tags to make assets easier to find. A placeholder 'Add a tag' is present.

At the bottom right of the dialog are 'Cancel' and 'Create' buttons.

The taskbar at the bottom of the screen displays various application icons, and the system tray shows the date and time as 04-08-2025 15:10.

au-syd.dai.cloud.ibm.com/ml-runtime/models/45d4cb5f-9913-4ee5-9240-73b72bddb170?project_id=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade ? Bell Sujoya Ghosh's Account Sydney SG ::

Projects / Final IBM project / P9 - Random Forest Classifier: Power Fault Detection

About this asset

Name P9 - Random Forest Classifier: Power Fault Detection

Description No description provided.

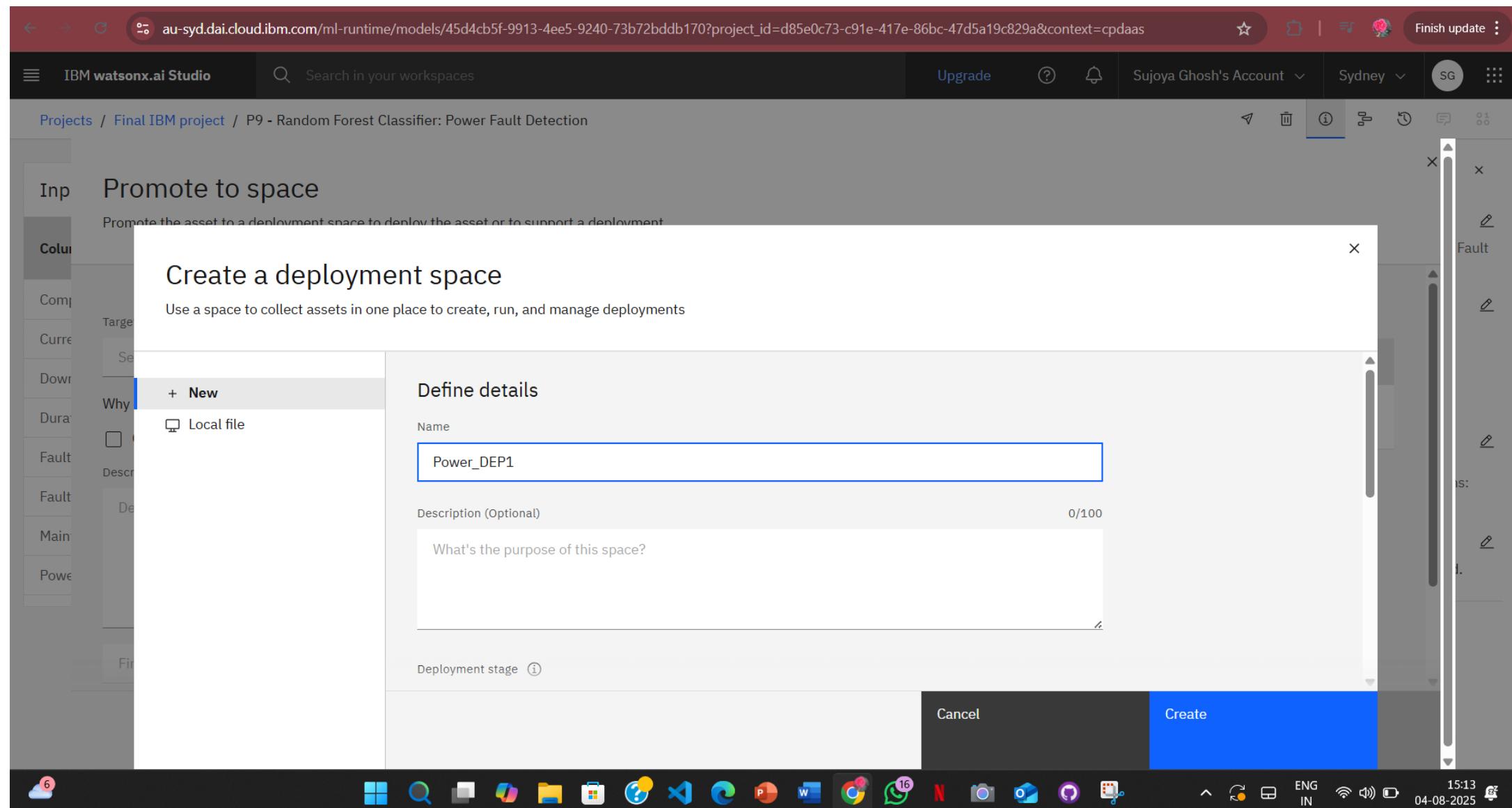
Asset Details Type: wml-hybrid_0.1 Model ID: 45d4cb5f-9913-4e... Software specification: hybrid_0.1 Hybrid pipeline software specifications: autoai-kb_rt24.1-py3.11

Tags Add tags to make assets easier to find.

Last modified 24 seconds ago by Service

Created on Aug 4, 2025 by Sujoya Ghosh

Cloud icon 6 Windows Start button Search icon File icon Microsoft Edge icon Visual Studio Code icon PowerShell icon Word icon Google Chrome icon WhatsApp icon Netflix icon Camera icon OneDrive icon GitHub icon Task View icon Refresh icon Taskbar icons ENG IN 15:12 04-08-2025



au-syd.dai.cloud.ibm.com/ml-runtime/models/45d4cb5f-9913-4ee5-9240-73b72bddb170?project_id=d85e0c73-c91e-417e-86bc-47d5a19c829a&context=cpdaas

IBM watsonx.ai Studio

Search in your workspaces

Upgrade

Sujoya Ghosh's Account

Sydney

SG

Projects / Final IBM project / P9 - Random Forest Classifier: Power Fault Detection

Promote to space

Promote the asset to a deployment space to deploy the asset or to support a deployment.

Promotion is in progress. Do not close this window until promotion of all assets is completed.

Selected assets (1)

Name	Format	Version	Status
P9 - Random Forest Classifier: Power Fault Detection	Model	Current	Promoting

Promoting an asset promotes dependent assets as well. For example, promoting a model also promotes the associated software specification and package extensions. You will see all promoted assets in the target space.

Promoting...



15:14 04-08-2025 ENG IN

au-syd.dai.cloud.ibm.com/ml-runtime/spaces/fc1e7ff9-a9b3-411f-b8d6-ceca6fb8e44/manage/settings?context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade ? 🔔 Sujoya Ghosh's Account Sydney SG

Deployment spaces /

Power_DEP1

Overview Assets Deployments Jobs Manage

Space

General

Access control

Environments

Resource usage

Description
No description provided.

Space GUID
fc1e7ff9-a9b3-411f-b8d6-ceca6fb8e44

Date created
Aug 4, 2025, 3:13 PM by Sujoya Ghosh (You)

Stage
Not provided

Last updated
Aug 4, 2025, 3:13 PM

Stage type
Pre-production

Tags
No tags are set to this space.

Controls

Cloud Pak for Data platform Switch platform

Name
Cloud Object Storage-kr

Bucket
1ae46309-bde1-48ff-b015-97c388e0159b

Manage in IBM Cloud

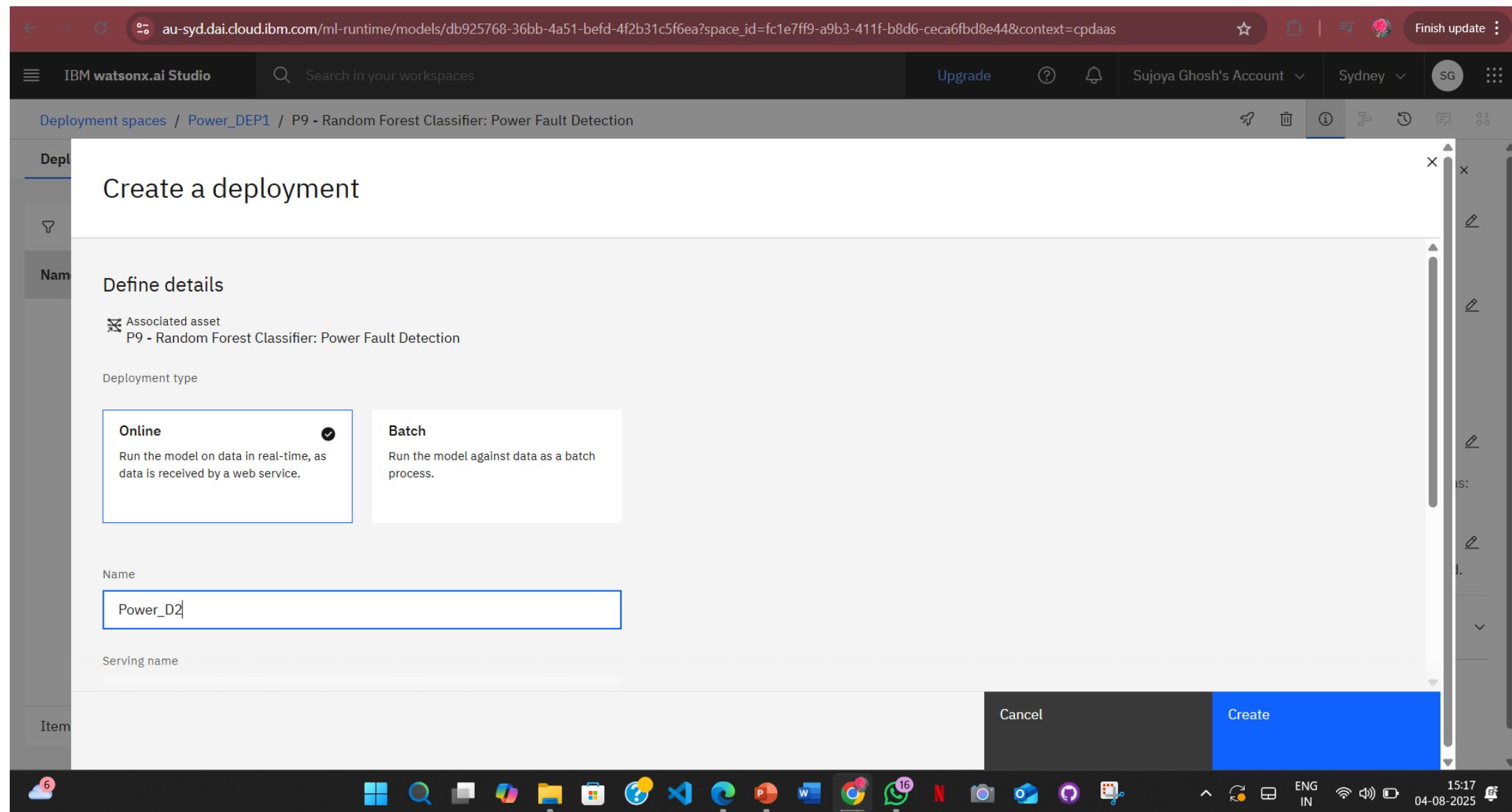
watsonx.ai Runtime service

Cancel Save

watsonx.ai Runtime-It

Cloud Pak for Data platform Switch platform

Cloud Pak for Data platform Switch platform



au-syd.dai.cloud.ibm.com/ml-runtime/models/db925768-36bb-4a51-befd-4f2b31c5f6ea?space_id=fc1e7ff9-a9b3-411f-b8d6-ceca6fdb8e44&context=cpdaas

IBM watsonx.ai Studio

Deployment spaces / Power_DEP1 / P9 - Random Forest Classifier: Power Fault Detection

Create a deployment

Define details

Associated asset
P9 - Random Forest Classifier: Power Fault Detection

Deployment type

Online
Run the model on data in real-time, as data is received by a web service.

Batch
Run the model against data as a batch process.

Name
Power_D2

Serving name

Item

Cancel Creating

Cloud icon with 6 notifications

Taskbar icons: Windows, Search, Task View, File Explorer, Edge, Visual Studio Code, PowerShell, Google Chrome, Telegram, Netflix, Camera, OneDrive, Microsoft Teams, and others.

System tray: ENG IN, Wi-Fi, Battery, 15:19, 04-08-2025

au-syd.dai.cloud.ibm.com/ml-runtime/models/db925768-36bb-4a51-befd-4f2b31c5f6ea/deployments?space_id=fc1e7ff9-a9b3-411f-b8d6-ceca6fb8e44&context=cpdaas&... ☆ | Finish update :

IBM watsonx.ai Studio Search in your workspaces Upgrade ? 1 Sujoya Ghosh's Account Sydney SG :

Deployment spaces / Power_DEP1 / P9 - Random Forest Classifier: Power Fault Detection

New deployment

Name	Type	Status	Tags	Last modified
Power_D2	Online	Deployed		24 seconds ago Sujoya Ghosh (You)

About this asset

Name: P9 - Random Forest Classifier: Power Fault Detection

Description: No description provided.

Asset Details: Type: wml-hybrid_0.1, Model ID: db925768-36bb-4a51-befd-4f2b31c5f6ea, Software specification: hybrid_0.1, Hybrid pipeline software specifications: autoai-kb_rt24.1-py3.11

Tags: Add tags to make assets easier to find.

Source asset details

Last modified: 4 minutes ago by Service

Created on: Aug 4, 2025 by Sujoya Ghosh

Items per page: 20 1–1 of 1 items 1 of 1 pages

Cloud icon with 6 notifications, Taskbar icons (Windows, File Explorer, Edge, etc.), System tray (Battery, Network, Volume, Date/Time).

The screenshot shows the IBM Watsonx.ai Studio interface. At the top, the URL is au-syd.dai.cloud.ibm.com/ml-runtime/deployments/012a11e8-9a38-44aa-8a2a-76d6e249d565?space_id=fc1e7ff9-a9b3-411f-b8d6-ceca6fb8e44&context=cpdaas. The page title is "IBM watsonx.ai Studio". The deployment space is "Power_DEP1" and the model is "P9 - Random Forest Classifier: Power Fault Detection". The deployment name is "Power_D2", status is "Deployed Online". The API reference shows a public endpoint: <https://au-syd.ml.cloud.ibm.com/v4/deployments/012a11e8-9a38-44aa-8a2a-76d6e249d565/predictions?version=2021-05-01>. The code snippets section provides Java code for making predictions:

```
import java.io.*;
import java.net.MalformedURLException;
import java.util.Base64;
import java.util.HashMap;
import java.util.Map;
import java.net.HttpURLConnection;
import java.net.URL;
import java.nio.charset.StandardCharsets;
public class HttpClientTest {
    public static void main(String[] args) throws IOException {
        // NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account. (https://au-syd.dai.cloud.ibm.com/identity/apikeys)
        String API_KEY = "<your API key>";
    }
}
```

The deployment details sidebar includes:

- Name:** Power_D2
- Description:** No description provided.
- Deployment Details:** Deployment ID: 012a11e8-9a38-44aa-8a2a-76d6e249d565, Serving name: No serving name, Software specification: hybrid_0.1, Hybrid pipeline software specifications: autoai-kb_rt24.1-py3.11, Copies: 1
- Tags:** Add tags to make assets easier to find.
- Associated asset:** P9 - Random Forest Classifier: Power Fault Detection

au-syd.dai.cloud.ibm.com/ml-runtime/deployments/012a11e8-9a38-44aa-8a2a-76d6e249d565/test?space_id=fc1e7ff9-a9b3-411f-b8d6-ceca6fb8e44&context=cpdaas&flu... ☆ | Finish update :

IBM watsonx.ai Studio Search in your workspaces Upgrade ⓘ 1 Sujoya Ghosh's Account Sydney SG ⋮

Deployment spaces / Power_DEP1 / P9 - Random Forest Classifier: Power Fault Detection / ⌂ ⓘ ⏷ ⏸ ⏹ ⏺ ⏻

Power_D2 ✓ Deployed Online

API reference Test

Enter input data

Text JSON

Enter data manually or use a CSV file to populate the spreadsheet. Max file size is 50 MB.

Download CSV template ↴ Browse local files ↗ Search in space ↗ Clear all ✕

Index (double)	Wind Speed (km/h) (double)	Weather Condition (other)	Maintenance Status (other)	Component Health (other)	Duration of Fault (hrs) (double)	Down time (hrs) (double)
1	29	Rainy	Pending	Overheated	3.2	4.7
2						
3						
4						
5						

1 row, 12 columns

Predict



Cloud 6, File Explorer, Task View, Microsoft Edge, Visual Studio Code, PowerShell, Microsoft Word, Microsoft Excel, Google Chrome, WhatsApp, Netflix, Camera, OneDrive, GitHub, Microsoft Teams, 16, ENG IN, Wi-Fi, Battery, 15:27, 04-08-2025

au-syd.dai.cloud.ibm.com/ml-runtime/deployments/012a11e8-9a38-44aa-8a2a-76d6e249d565/test?space_id=fc1e7ff9-a9b3-411f-b8d6-ceca6fdbd8e44&context=cpdaas&flu... ☆

IBM watsonx.ai Studio Search in your workspaces Upgrade ⓘ 1 Sujoya Ghosh's Account Sydney SG

Deployment spaces / Power_DEP1 / P9 - Random Forest Classifier: Power Fault Detection /

P Prediction results

Prediction type
Multiclass classification

Prediction percentage



1 record

Line Breakage

Display format for prediction results

Table view JSON view Show input data ⓘ

	Prediction	Confidence
1	Line Breakage	54%
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

Download JSON file

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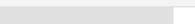
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Power_D2

API reference 

Enter input data

Text 

Enter data manually or use a CSV file to populate the spreadsheet. Max file size is 50 MB.

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	Power Load (MW) (double)	Temperature (°C) (double)	Wind Speed (km/h) (double)	Weather Condition (other)	Maintenance Status (other)	Component Health (other)	Duration of Fault (hrs) (double)	Down time (hrs) (double)
1	48	23	10	Clear	Completed	Normal	2.5	3
2	46	27	29	Thunderstorm	Completed	Overheated	2.6	4.3
3	51	30	14	Snowy	Pending	Faulty	4.2	3.9
4	52	21	30	Rainy	Pending	Faulty	2.9	1.1
5	46	24	16	Clear	Completed	Overheated	3.5	1.2
6	54	35	10	Clear	Scheduled	Faulty	2.5	2.7
7	56	32	12	Rainy	Pending	Normal	2.3	1.6
8	54	37	28	Rainy	Completed	Faulty	2.5	2.5
9								
10								

8 rows, 12 columns 

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Prediction results

Prediction type: Multiclass classification

Prediction percentage:

8 records

Line Breakage Transformer Failure Overheating

Confidence level distribution:

Number of records

Confidence level

Display format for prediction results:

Table view JSON view

Show input data (1)

	Prediction	Confidence
1	Line Breakage	54%
2	Transformer Failure	38%
3	Transformer Failure	43%
4	Transformer Failure	43%
5	Overheating	45%
6	Line Breakage	46%
7	Line Breakage	39%
8	Overheating	58%
9		
10		
11		
12		
13		
14		
15		
16		

Download JSON file

6

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