

The image shows the IBM Cloud Resource list interface. At the top, there is a navigation bar with the IBM Cloud logo, a search bar, and account information for "Vishal Mohil's Account". Below the navigation bar is a sidebar on the left containing various icons for different services like AI, Blockchain, Databases, and Security. The main area is titled "Resource list" and features a table header with columns: Name, Group, Location, Product, Status, and Tags. There are also filter input fields for each column. The main content area lists several service categories with their counts: AI / Machine Learning (0), Analytics (0), Blockchain (0), Databases (0), Developer tools (0), Observability (0), Migration (0), Integration (0+), Internet of Things (0), Security (0), and Mobile (0). A blue "Create resource" button is located in the top right corner of the main area.

Name	Group	Location	Product	Status	Tags
Filter by name or IP address...	Filter by group...	Filter...	Filter...	Filter...	Filter...
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (0)					
Developer tools (0)					
Observability (0)					
Migration (0)					
Integration (0+)					
Internet of Things (0)					
Security (0)					
Mobile (0)					

Screenshot of the IBM Cloud Resource Catalog interface.

The search bar at the top contains the query "watsonx".

The left sidebar shows a navigation tree under "IBM Cloud" with categories like Name, AI / Machine Learning, Analytics, Blockchain, Databases, Developer tools, Observability, Migration, Integration, Internet of Things, and Security. The "Name" category is currently selected.

The main content area displays the search results for "watsonx".

Catalog Results

- watsonx** Service
- Watsonx.ai SaaS with Assistant a...** Software
- Cloud automation for watsonx.ai** Software
- watsonx.ai Studio** Service
- watsonx.data intelligence** Service

Below the results, there are two links:
Search "watsonx" in Support Cases
Search "watsonx" in Docs

The right side of the interface includes a "Create resource" button and a table header with columns: Location, Product, Status, and Tags. There are also filter buttons for each column.

At the bottom, the URL is https://cloud.ibm.com/catalog/services/watsonxai-studio, and the system status bar shows the date and time as 07:12 PM 03-08-2025.

Screenshot of the IBM Cloud Catalog showing the creation of a WatsonX.ai Studio service.

The URL in the browser is cloud.ibm.com/catalog/services/watsonxai-studio.

Summary

watsonx.ai Studio Free

Location: London (eu-gb)
Plan: Lite
Service name: watsonx.ai Studio-hg
Resource group: Default

I have read and agree to the following license agreements:
[Terms](#)

Create

Add to estimate

WatsonX.ai Studio

Select a location

Provider: IBM

Type: Service

Last updated: 05/06/2025

Category: AI / Machine Learning

Compliance: HIPAA Enabled, IAM-enabled

Location: Sydney (au-syd), Frankfurt (eu-de), London (eu-gb), Tokyo (jp-tok), Dallas (us-south), Toronto (ca-tor)

Related links: Docs, Terms

Features and capabilities

Plan	Features and capabilities	Pricing
Lite	1 authorized user 10 capacity unit-hours monthly limit Environment = # of capacity units required per hour <ul style="list-style-type: none">• 1 vCPU + 4 GB RAM = 0.5• 2 vCPU + 8 GB RAM = 1• 4 vCPU + 16 GB RAM = 2• Decision Optimization + Watson NLP = Environment + 5• Synthetic Data Generator, 2 vCPU + 8 GB RAM = 7 (requires watsonx.ai Runtime)	Free

The Lite plan offers most functionality of Studio, data science and AI features with limits.

Screenshot of a web browser showing the IBM Cloud interface for a WatsonX Studio instance.

The browser tabs include:

- Yaad Dilana H...
- Service Details
- Day2, 23rd Jul...
- video1054283
- IBM SkillsBuild
- SBAC AICTE In...
- Power System

The main page shows the following details:

watsonx.ai Studio-hg (with a green checkmark)

Add tags

Details Actions

Manage

Plan

STUDIO IN
Cloud Pak for Data and watsonx



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

IBM Cloud Pak for Data, watsonx Unifying platforms

IBM Cloud Base cloud infrastructure

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

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.

Launch in

Helpful links

System tray icons at the bottom right:

- Windows Start button
- Search bar
- File Explorer
- Task View
- LinkedIn
- YouTube
- Firefox
- Spotify
- Google Chrome (41 tabs)
- WhatsApp
- Calendar
- Edge
- Cloud storage icon (5)
- Network
- Battery
- Date/Time: 07:13 PM
03-08-2025

video1054283 | SB4C AICTE In | Power System | Day2_23rd Jul | Yaad Dilana H | Service Details | Home | IBM w | +

eu-gb.dataplatform.cloud.ibm.com/home?context=cpdaas&apps=data_science_experience&nocache=true

Gmail YouTube Maps News Translate ptu exams Groww - Online De... SunCrypto - Crypto... Writer@PocketNovel All Bookmarks

IBM watsonx.ai Studio Search in your workspaces Upgrade ? Bell Vishal Mohil's Account London VM

Welcome, Vishal



Build and manage ML models with watsonx.ai Studio

watsonx.ai Studio is a service that you use to build, deploy, and manage AI models and to optimize decisions.

Work within a project to build models. Customize how you work by choosing from notebooks, graphical canvases, and no-code tools.

Take a tutorial Step through implementing a Data fabric use case in a sample project.

Quick start

- Build customer profiles with IBM Match 360 with Watson AI
- Catalog and govern data with watsonx.data intelligence
- Build and manage ML models with watsonx.ai Studio

Get started

- Provision watsonx.ai Studio Create an instance of watsonx.ai Studio from the service catalog.
- Provision watsonx.ai Runtime Create an instance of watsonx.ai Runtime from the service catalog.

Cancel Next

3:41 PM

Online deployment ready

Jul 30, 2025 2:18 PM

deployment Jul 27, 2025 5:37 PM

crop dep1 Jul 23, 2025 07:14 PM 03-08-2025

Search S F 41

The screenshot shows a web browser window with multiple tabs open at the top. The main content area displays the 'watsonx.ai Runtime' creation interface. On the left, there's a sidebar with various icons and a 'Select a region' dropdown set to 'London'. Below that is a 'Pricing plan' section with a table comparing 'Lite' and 'Free' plans. The 'Lite' plan includes 20 capacity unit-hours (CUH) per month and 50,000 tokens/data points per month. On the right, a summary panel shows details like Region: London, Plan: Lite, Service name: watsonx.ai Runtime-wm, and Resource group: Default. A large blue 'Create' button is prominent at the bottom right of the summary panel. The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

watsonx.ai Runtime

Author: IBM • Date of last update: Jul 23, 2025 • Docs • API Docs

Create About

Select a region

Select a region

London

Pricing plan

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

Plan	Features	Pricing
Lite	Service instance Instance includes: <ul style="list-style-type: none">• 20 capacity unit-hours (CUH) per month• 50,000 tokens/data points per month	Free

Summary

watsonx.ai Runtime

Region: London
Plan: Lite
Service name: watsonx.ai Runtime-wm
Resource group: Default

Create

View terms

Cancel

07:14 PM 03-08-2025

video1054283 | SB4C AICTE In | Power System | Day2_23rd Jul | Yaad Dilana H | Service Details | Home | IBM w | +

eu-gb.dataplatform.cloud.ibm.com/home?context=cpdaas&apps=data_science_experience&nocache=true

Gmail YouTube Maps News Translate ptu exams Groww - Online De... SunCrypto - Crypto... Writer@PocketNovel All Bookmarks

IBM watsonx.ai Studio Search in your workspaces Upgrade ? Vishal Mohil's Account London VM

Welcome, Vishal



Build and manage ML models
with watsonx.ai Studio

Take a tutorial
Step through implementing a Data fabric use case in a sample project.

Quick start

Build customer profiles with IBM Match 360 with Watson AI.

Catalog and govern data with watsonx.data intelligence.

Query data anywhere with Data Virtualization.

Get started

Sample project
Open a sample project with pre-built watsonx.ai Studio assets.

New project
Create a project and then add your own data to get started.

Cancel Next

3:41 PM

Online deployment ready

Components

Component	Date	Time
com1_deploy	Jul 30, 2025	2:18 PM
Deployment	Jul 27, 2025	5:37 PM
crop_dep1	Jul 23, 2025	

07:14 PM 03-08-2025

Search S Folders 3 LinkedIn YouTube Spotify Chrome 41 WhatsApp Microsoft Word Microsoft Excel Microsoft Edge

The screenshot shows a web browser window with multiple tabs open, including 'Power System' and 'Service Details'. The main content is the 'IBM watsonx.ai Studio' interface for a project titled 'Power System Fault Detection and Classification'. The 'Manage' tab is selected. On the left, a sidebar lists 'General', 'Access control', 'Environments', 'Resource usage', and 'Services & integrations'. The 'General' section contains details like Name (Power System Fault Detection and Classification), Description (using machine learning for fault detection), and Tags (empty). The 'Storage' section shows 0 Bytes used in a bucket named 'powersystemfaultdetectionandclass-donotdelete-pr-vnkkidjf3ilhep'. A 'Manage in IBM Cloud' button is also present.

Projects / Power System Fault Detection and Classification

Overview Assets Jobs Manage

General

Details

Name: Power System Fault Detection and Classification

Description: This project uses machine learning to detect and classify power system faults like Line-to-Ground, Line-to-Line, and Three-Phase faults using voltage and current data. It improves fault response speed and accuracy, helping maintain grid stability. The solution is built using IBM Cloud Lite services like Watson Studio, Watson ML, and Cloud Object Storage.

Tags

Add tags to make projects easier to find.

Project ID: 523b364e-01c8-4208-a313-bcce6cf403eb

Storage

Storage used: 0 Bytes

Bucket: powersystemfaultdetectionandclass-donotdelete-pr-vnkkidjf3ilhep

Manage in IBM Cloud

The screenshot shows the IBM Watsonx.ai Studio interface. The top navigation bar includes tabs for video1054283, SB4C AICTE In, Power System, Day2_23rd Jul, Yaad Dilana H, Service Details, Power System, and a plus sign for creating new projects. Below the navigation bar is a toolbar with various icons for Gmail, YouTube, Maps, News, Translate, ptu exams, Groww - Online De..., SunCrypto - Crypto..., and Writer@PocketNovel. The main header bar displays "IBM watsonx.ai Studio" and a search bar. On the left, there's a sidebar with sections for Overview, Start, View, Assets, and a pinned item "here. asset". The main content area has a title "Build machine learning models automatically" and a sub-instruction "Define the details to create an AutoAI experiment asset and open it in the AutoAI tool." A modal window is open for "Define details", showing fields for "Name" (set to "PSFD&C_ML"), "Description (optional)" (a placeholder text area), and "Tags (optional)" (a dropdown menu). To the right of the modal is a "Define configuration" section with "watsonx.ai Runtime service instance" set to "watsonx.ai Runtime-wm", "Environment definition" set to "Large: 8 CPU and 32 GB RAM" (with a note about capacity units), and a note about environment definitions consuming 20 capacity units per training. At the bottom of the modal are "Cancel", "Back", and a large blue "Create" button. The system tray at the bottom right shows the date and time as 07:22 PM 03-08-2025.

video1054283 | SB4C AICTE In | Power System | Day2_23rd Jul | Yaad Dilana H | Service Details | PSFD&C_ML | +

eu-gb.dataplatfrom.cloud.ibm.com/ml/auto-ml/95cb3857-6c20-4ec2-a384-c31e822f6ba8/configure?project=PSFD&C_ML

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IBM watsonx.ai Studio Search in your workspaces Upgrade Vishal Mohil's Account London VM

Projects / Power System Fault Detection and Classification / PSFD&C_ML

Configure AutoAI experiment PSFD&C_ML ↳ Autosaved: 7:23:34 PM

Browse Select from project

fault_data.csv Size: 47.62 KB Columns: 13

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 ⓘ

Select prediction column

STR	Fault ID
STR	Fault Type
STR	Fault Location (Latitude, Longitude)
INT	Voltage (V)
INT	Current (A)
Power Load (MVA)	

07:23 PM 03-08-2025

The screenshot shows the IBM Watsonx.ai Studio interface for configuring an AutoAI experiment. On the left, a file named 'fault_data.csv' is uploaded, showing its size (47.62 KB) and number of columns (13). On the right, a list of prediction columns is displayed, with 'Fault Type' selected. A note at the top right suggests enabling time-based predictions if data is sequential. The bottom status bar shows the current time (07:23 PM) and date (03-08-2025).

video1054283 | SB4C AICTE In | Power System | Day2_23rd Jul | Yaad Dilana H | Service Details | PSFD&C_ML -

eu-gb.dataplatfrom.cloud.ibm.com/ml/auto-ml/95cb3857-6c20-4ec2-a384-c31e822f6ba8/configure?project=PSFD&C_ML

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IBM watsonx.ai Studio Search in your workspaces Upgrade Vishal Mohil's Account London VM

Projects / Power System Fault Detection and Classification / PSFD&C_ML

Configure AutoAI experiment PSFD&C_ML Autosaved: 7:23:34 PM

Browse Select from project

fault_data.csv
Size: 47.62 KB Columns: 13

What do you want to predict?
Prediction column: Fault Type

Prediction column: Fault Type CUH remaining: 20 CUH

PREDICTION TYPE Multiclass Classification OPTIMIZED FOR Accuracy & run time

Experiment settings Run experiment

07:24 PM 03-08-2025

Screenshot of the IBM WatsonX.ai Studio interface showing a Machine Learning experiment for Power System Fault Detection and Classification.

The top navigation bar shows multiple open tabs including "video1054283", "SB4C AICTE In...", "Power System", "Day2_23rd Jul...", "Yaad Dilana H...", "Service Details", "IBM watsonx.", and others.

The main header includes a search bar, "Upgrade", "Notifications" (highlighted), "Vishal Mohil's Account", "London", and a "VM" button.

The left sidebar shows the project structure: "Projects / Power System Fault Detection and Classification / PSFD&C_ML".

The main content area displays two visualizations:

- Relationship map:** A network graph titled "fault_data.csv" showing connections between various nodes.
- Progress map:** A timeline showing the status of the experiment. It indicates "Pending" for "FAULT_DATA.CSV" and "Starting the AutoAI experiment". The time elapsed is 11 seconds.

At the bottom, there are buttons for "View log" and "Save code". The system status bar at the bottom right shows "07:24 PM 03-08-2025".

Screenshot of the IBM WatsonX.ai Studio interface showing a machine learning pipeline for Power System Fault Detection and Classification.

The pipeline consists of the following steps:

```
graph LR; A[Read dataset] --> B[Split holdout data]; B --> C[Read training data]; C --> D[Preprocessing]; D --> E[Model selection]
```

Experiment summary tab is selected. The pipeline comparison tab is also visible.

Relationship map shows the distribution of data:

- 90% TRAINING DATA
- 10% HOLDOUT DATA

Splitting data section details:

- FAULT_DATA.CSV
- Splitting holdout and training data
- Time elapsed: 75 seconds

Pipeline leaderboard section is present at the bottom.

Operating system taskbar at the bottom:

- Accuracy (Optimized)
- Search bar
- Icons for File Explorer, Task View, Edge browser, LinkedIn, YouTube, Spotify, Google Chrome, Microsoft Teams, WhatsApp, OneDrive, and File Explorer.
- System tray icons for battery, signal, volume, and date/time (07:25 PM, 03-08-2025).

Screenshot of the IBM WatsonX.ai Studio interface showing a pipeline comparison for a Power System Fault Detection and Classification project.

The interface includes:

- Header bar with tabs: video1054283, SB4C AICTE In, Power System, Day2_23rd Jul, Yaad Dilana H, Service Details, IBM WatsonX.ai.
- Toolbar with various icons: Gmail, YouTube, Maps, News, Translate, ptu exams, Groww - Online De..., SunCrypto - Crypto..., Writer@PocketNovel.
- User info: Vishal Mohil's Account, London, VM.
- Search bar: Search in your workspaces.
- Project navigation: Projects / Power System Fault Detection and Classification / PSFD&C_ML.
- Section title: Experiment summary.
- Ranking table:

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	00:01:03
2	Pipeline 8	Random Forest Classifier		0.409	HPO-1, FE, HPO-2	00:00:58
3	Pipeline 4	Snap Logistic Regression		0.393	HPO-1, FE, HPO-2	00:00:37
4	Pipeline 3	Snap Logistic Regression		0.393	HPO-1, FE	00:00:33
- Time elapsed: 3 minutes.
- Log and code buttons: View log, Save code.
- Pipeline leaderboard section.
- Taskbar at the bottom with various application icons.
- System tray: 07:29 PM, 03-08-2025.

Screenshot of the IBM Watson AI Studio interface showing the Pipeline comparison section.

The pipeline comparison table displays the following data:

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	00:01:03
2	Pipeline 8	Random Forest Classifier		0.409	HPO-1 FE HPO-2	00:00:58
3	Pipeline 4	Snap Logistic Regression		0.393	HPO-1 FE HPO-2	00:00:37
4	Pipeline 3	Snap Logistic Regression		0.393	HPO-1 FE	00:00:33

A success message is displayed on the right side of the screen:

Saved Model successfully.
P8 - Random Forest Classifier:
PSFD&amp;amp;amp;C_ML
was successfully saved to Power
System Fault Detection and
Classification.

[View in project](#)

At the bottom of the browser window, the taskbar shows various open applications including Microsoft Word, Excel, and several browser tabs.

The screenshot shows the IBM WatsonX.ai Studio interface. The top navigation bar includes links for video1054, SB4C AICTI, Power Syst, Day2_23rd, Yaad Dilan, Service De, P9 - Random, internet sp, and All Bookmarks. The main workspace displays the input schema for a model named "P9 - Random Forest Classifier: faultdetect_ML". The schema table has columns for "Column" and "Type", listing various features like Component Health, Current (A), Down time (hrs), Duration of Fault (hrs), Fault ID, Fault Location (Latitude, Longitude), Maintenance Status, and Power Load (MW). To the right, there is a sidebar titled "About this asset" with sections for Name, Description, Asset Details, and Tags. The "Name" section shows "P9 - Random Forest Classifier: faultdetect_ML". The "Description" section notes "No description provided.". The "Asset Details" section provides "Type: wml-hybrid_0.1" and "Model ID: b863b160-f798-4f12-9835-31b7b920fc07". It also mentions "Software specification: hybrid_0.1" and "Hybrid pipeline software specifications: autoai-kb_rt24.1-py3.11". The "Tags" section invites users to "Add tags to make assets easier to find." At the bottom, it shows the last modification time as "13 seconds ago by Vishal Mohil".

Column	Type
Component Health	other
Current (A)	double
Down time (hrs)	double
Duration of Fault (hrs)	double
Fault ID	other
Fault Location (Latitude, Longitude)	other
Maintenance Status	other
Power Load (MW)	double

About this asset

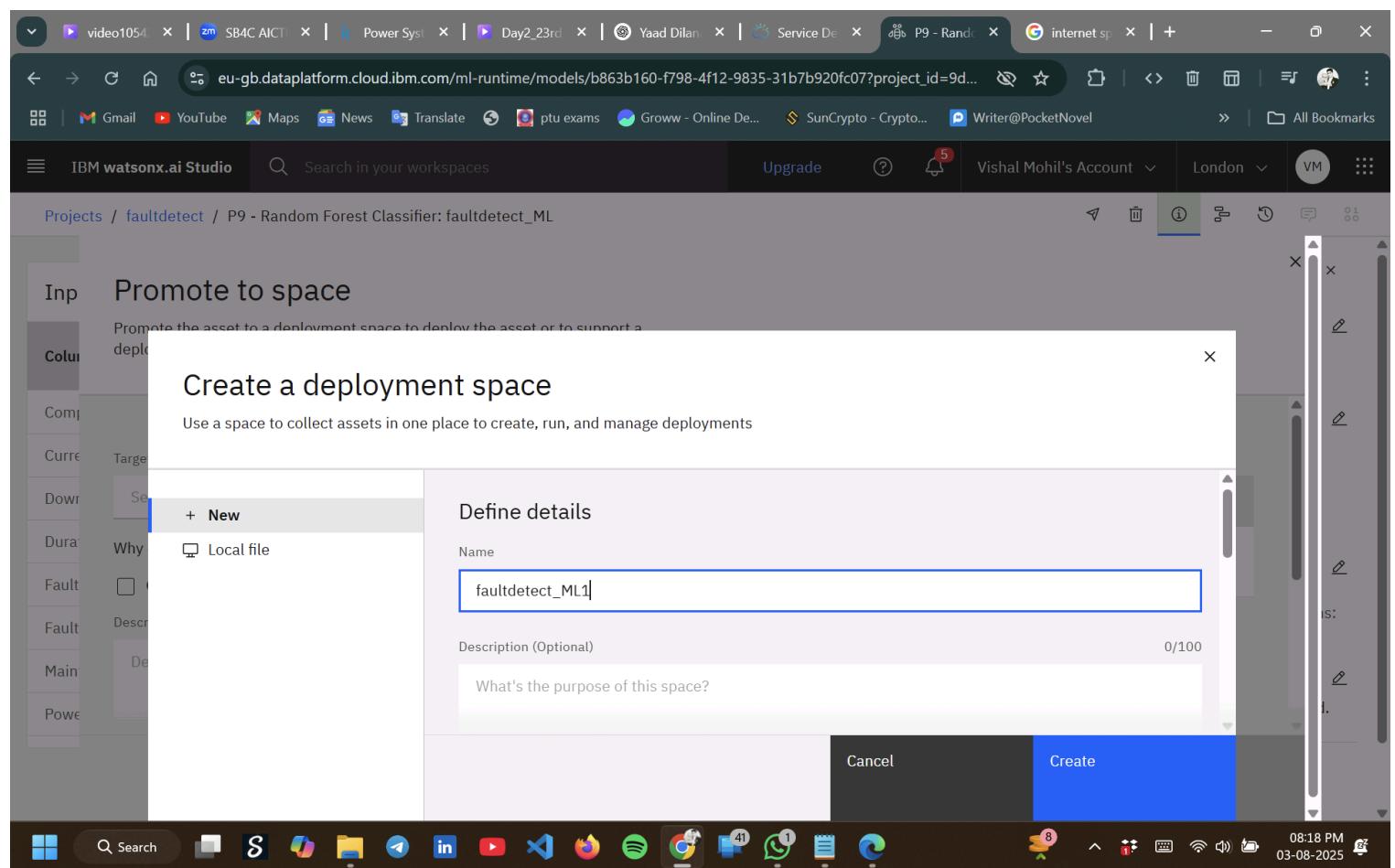
Name
P9 - Random Forest Classifier: faultdetect_ML

Description
No description provided.

Asset Details
Type: wml-hybrid_0.1
Model ID: b863b160-f798-4f12-9835-31b7b920fc07
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
13 seconds ago by Vishal Mohil



video1054 | SB4C AICT | Power Syst | Day2_23rd | Yaad Dilan | Service De | P9 - Random Forest Classifier: faultdetect_ML | internet sp | +

Gmail YouTube Maps News Translate ptu exams Groww - Online De... SunCrypto - Crypto... Writer@PocketNovel

Vishal Mohil's Account London VM

IBM watsonx.ai Studio Search in your workspaces Upgrade ? 5

Projects / faultdetect / P9 - Random Forest Classifier: faultdetect_ML

Inp Column Comp Current Down Duration Fault Fault Main Power

Promote to space

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

✓ Promotion completed.

Selected assets (1)

Name	Format	Version	Status
P9 - Random Forest Classifier: faultdetect_ML	Model	Current	Promoted ✓

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.

Close

https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/spaces/899395b1-d408-4930-8ad4-b3861ef05455/assets?context=cpdaas

08:21 PM 03-08-2025

A success message box is displayed in the top right corner, indicating that the promotion was successful. The message reads: "Successfully promoted P9 - Random Forest Classifier: faultdetect_ML to the deployment space. Go to the [deployment space](#) to prepare the assets for deployment." The timestamp is 8:21:13 PM.

Screenshot of the IBM Watsonx.ai Studio interface showing the "Create a deployment" dialog.

The dialog is titled "Create a deployment" and is for the "P9 - Random Forest Classifier: faultdetect_ML" model.

Deployment type:

- Online** (selected): 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: faultdetect_ML

Serving name: (empty)

Cancel | **Create**

At the bottom, the taskbar shows various application icons and the system tray indicates the date and time as 08:27 PM on 03-08-2025.

Screenshot of a web browser showing the IBM Watsonx.ai Studio interface for managing machine learning deployments.

The URL in the address bar is: au-syd.dai.cloud.ibm.com/ml-runtime/models/a4e6e147-ba51-46a2-90ff-b501a7b8ef8a/deployments?space_id=09100...

The page title is: Deployment spaces / faultdetect_dep1 / P8 - Random Forest Classifier: Fault_detect_ML

The main content area shows a table of deployments:

Name	Type	Status	Tags	Last modified
faultdetect_dep2	Online	Deployed		27 seconds ago Vishal Mohil (You)

Below the table, there are pagination controls: "Items per page: 20" and "1-1 of 1 items".

To the right of the deployment table is a sidebar titled "About this asset" containing the following details:

- Name:** P8 - Random Forest Classifier: Fault_detect_ML
- Description:** No description provided.
- Asset Details:**
 - Type: wml-hybrid_0.1
 - Model ID: a4e6e147-ba51-46...
 - 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:** (button)

The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time: 10:13 PM 03-08-2025.

Screenshot of a web browser showing the IBM Watsonx.ai Studio interface for managing machine learning deployments.

The URL in the address bar is: au-syd.dai.cloud.ibm.com/ml-runtime/models/a4e6e147-ba51-46a2-90ff-b501a7b8ef8a/deployments?space_id=09100...

The page title is: Deployment spaces / faultdetect_dep1 / P8 - Random Forest Classifier: Fault_detect_ML

The main content area shows a table of deployments:

Name	Type	Status	Tags	Last modified
faultdetect_dep2	Online	Deployed		27 seconds ago Vishal Mohil (You)

Below the table, there are pagination controls: "Items per page: 20" and "1-1 of 1 items".

The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

The screenshot shows the IBM Watsonx.ai Studio interface. The top navigation bar includes tabs for video1054, SB4C AICT, Power Syst, Day2_23rd, Yaad Dilan, Service De, faultdetect, Settings, and a new tab. The main URL in the address bar is au-syd.dai.cloud.ibm.com/ml-runtime/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8?space_id=09100fd.... The search bar contains "Search in your workspaces". The user is logged in as Vishal Mohil's Account, with a notification count of 1. The location is set to Sydney, and there is a VM icon.

Deployment spaces / faultdetect_dep1 / P8 - Random Forest Classifier: Fault_detect_ML /

faultdetect_dep2 Deployed Online

API reference Test

Endpoints for scoring ①

Private endpoint
https://private.au-syd.ml.cloud.ibm.com/ml/v4/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8 Copy Bearer <token> ①
IAM

Public endpoint
https://au-syd.ml.cloud.ibm.com/ml/v4/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8 Copy

[Learn more](#) about the 2021-05-01 version query parameter

Code snippets

CURL Java JavaScript Python Python Scala

About this deployment

Name faultdetect_dep2

Description No description provided.

Deployment Details

Deployment ID: 1a13c77c-4a08-4928-a37c-8d2e32baf7a8
Serving name: No serving name.
Software specification: hybrid_0.1 ①
Hybrid pipeline software specifications: autoai-kb_rt24.1-py3.11
Copies: 1

Tags Add tags to make assets easier to find.

Associated asset

10:16 PM 03-08-2025

Screenshot of a web browser showing the IBM Watson AI Studio interface for a deployed machine learning model.

The URL in the address bar is: au-syd.dai.cloud.ibm.com/ml-runtime/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8/test?space_id=09100fd9...

The page title is: faultdetect

The main content area shows the deployment named "faultdetect_dep2" which is Deployed and Online.

The "Test" button is highlighted with a blue border.

The "Enter input data" section contains a CSV file upload input field. The file path shown is: Start typing or drag and drop a CSV file... (Row 1).

The "Predict" button is located at the bottom right of the input area.

The system tray at the bottom shows various icons and the date/time: 10:17 PM 03-08-2025.

Screenshot of a web browser showing the IBM Watsonx.ai Studio interface for a deployed machine learning model.

The URL in the address bar is: au-syd.dai.cloud.ibm.com/ml-runtime/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8/test?space_id=091...

The page title is: faultdetect

The main content area shows the deployment named "faultdetect_dep2" which is Deployed and Online.

The "Test" tab is selected under "API reference".

The "Enter input data" section allows input via "Text" or "JSON". A CSV file input field is present, with the note: "Enter data manually or use a CSV file to populate the spreadsheet. Max file size is 50 MB." It displays a preview of the CSV data:

	Fault ID (other)	Fault Location (Latitude, Longitude) (other)	Voltage (V) (double)	Current (A) (double)	Power Load (MW) (double)	Temperature (°C) (double)
1						

Below the table, it says "0 rows, 12 columns".

A "Predict" button is located at the bottom right of the input area.

The taskbar at the bottom of the screen includes icons for various applications like Search, File Explorer, and a notification center showing 6 notifications.

Screenshot of a web browser showing the IBM Watsonx.ai Studio interface for a deployed machine learning model named "faultdetect_dep2".

The browser tabs include: video1054, SB4C AICT, Power Syst, Day2_23rd, Yaad Dilan, Service De, faultdetect, Settings, and a new tab.

The address bar shows the URL: au-syd.dai.cloud.ibm.com/ml-runtime/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8/test?space_id=091...

The main content area displays the "faultdetect_dep2" deployment details, including the status as "Deployed" and "Online".

The "Test" tab is selected, showing an "Enter input data" section with "Text" and "JSON" options. A table is provided for input data:

	Weather Condition (other)	Maintenance Status (other)	Component Health (other)	Duration of Fault (hrs) (double)	Down time (hrs) (double)
1	clear	scheduled	normal	2	1
2					

Below the table, it says "1 row, 12 columns". A "Predict" button is located at the bottom right of the input area.

The taskbar at the bottom of the screen shows various pinned icons, including Microsoft Edge, Search, File Explorer, LinkedIn, YouTube, and others. The system tray indicates the date as 03-08-2025 and the time as 10:25 PM.

Screenshot of a web browser showing prediction results from an IBM Watson AI Studio deployment.

The URL in the address bar is: au-syd.dai.cloud.ibm.com/ml-runtime/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8/test?space_id=091...

The page title is: **Prediction results**

API details: Display format for prediction results. Selected: Table view. Option: JSON view. Show input data:

	prediction	probability
1	Line Breakage	[0.3903001601394518, 0.2418251292774404, 0.36787471058310...]
2		
3		
4		
5		
6		
7		

Download JSON file

System tray icons: Search, File Explorer, LinkedIn, YouTube, Spotify, Google Chrome (41 tabs), WhatsApp, Microsoft Edge, Microsoft Word, Microsoft Excel, Cloud storage icon (6 notifications), and system status icons (10:25 PM, 03-08-2025).

Screenshot of a web browser showing the IBM Watson AI Studio interface for a Random Forest Classifier deployment.

The URL in the address bar is: au-syd.dai.cloud.ibm.com/ml-runtime/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8/test?space_id=091...

The page title is: Deployment spaces / faultdetect_dep1 / P8 - Random Forest Classifier: Fault_detect_ML /

Prediction results

Multiclass classification

Prediction type: Multiclass classification

Prediction percentage: 2 records

Display format for prediction results:

- Table view
- JSON view

Show input data:

	Prediction	Confidence
1	Line Breakage	39%
2	Line Breakage	47%
3		
4		
5		
6		
7		

Download JSON file

Bottom taskbar icons include: Search, File Explorer, Task View, LinkedIn, YouTube, Firefox, Spotify, Google Chrome, WhatsApp, Microsoft Edge, Microsoft Word, Microsoft Excel, and Microsoft Power BI. The system tray shows the date and time: 10:28 PM 03-08-2025.

Screenshot of a web browser showing the IBM Watsonx.ai Studio interface for a deployed ML model named "faultdetect_dep2".

The URL in the address bar is: au-syd.dai.cloud.ibm.com/ml-runtime/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8/test?space_id=091...

The page title is "faultdetect_dep2".

The "Test" tab is selected under "API reference".

The "Enter input data" section shows a table with the following data:

	Weather Condition (other)	Maintenance Status (other)	Component Health (other)	Duration of Fault (hrs) (double)	Down time (hrs) (double)
5	rainy	pending	normal	6	5.5
6					

Below the table, it says "3 rows, 12 columns".

A large blue "Predict" button is located at the bottom right of the input area.

The browser taskbar at the bottom shows various pinned icons and the system clock "10:30 PM 03-08-2025".

Screenshot of a web browser showing the IBM Watson AI Studio interface for a Random Forest Classifier deployment.

The URL in the address bar is: au-syd.dai.cloud.ibm.com/ml-runtime/deployments/1a13c77c-4a08-4928-a37c-8d2e32baf7a8/test?space_id=091...

The page title is: Deployment spaces / faultdetect_dep1 / P8 - Random Forest Classifier: Fault_detect_ML /

Prediction results

Multiclass classification

Prediction type: Multiclass classification

Prediction percentage: 3 records

Display format for prediction results:

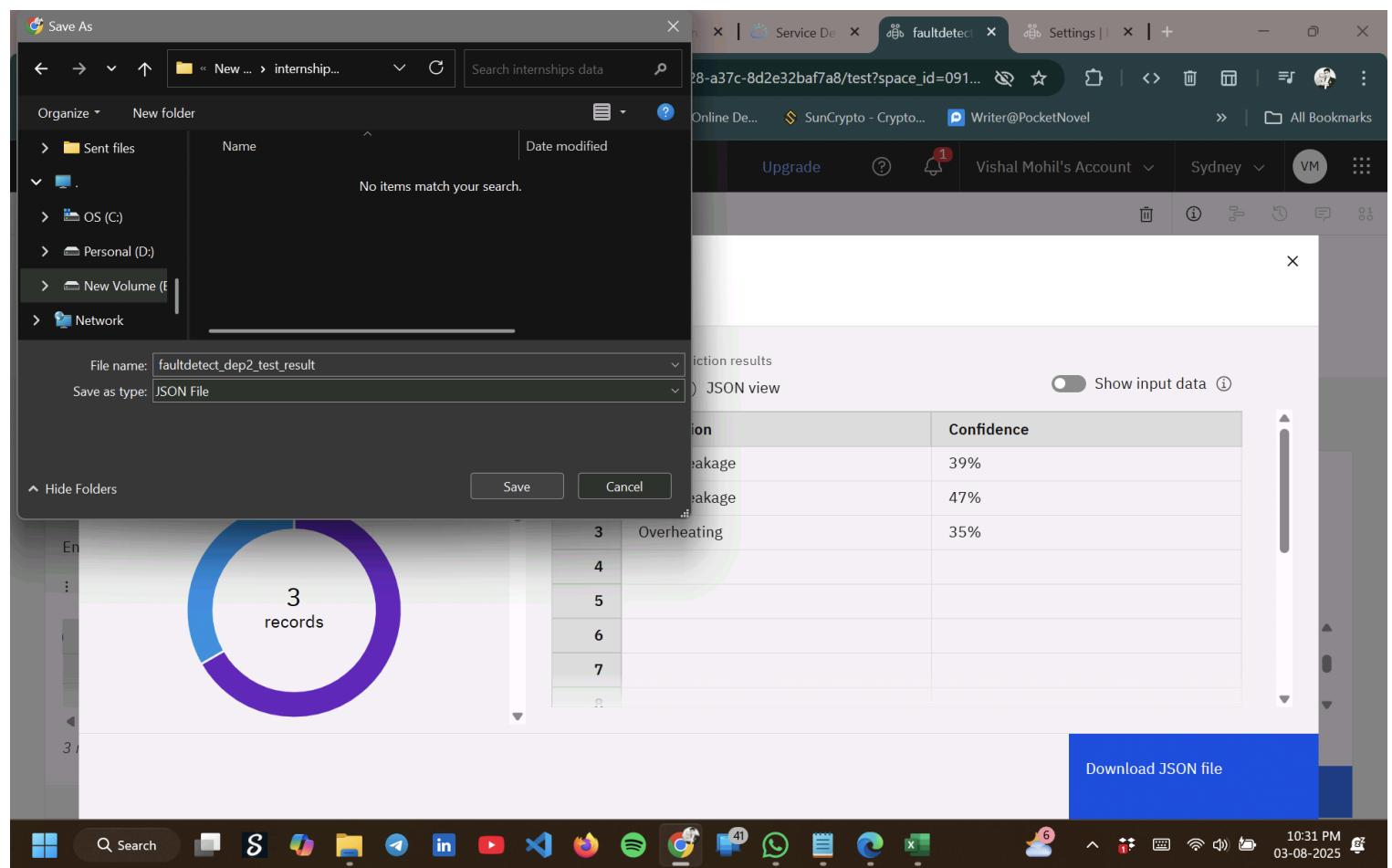
- Table view
- JSON view

Show input data:

	Prediction	Confidence
1	Line Breakage	39%
2	Line Breakage	47%
3	Overheating	35%
4		
5		
6		
7		

Download JSON file

Bottom Taskbar icons include: Search, File Explorer, Task View, LinkedIn, YouTube, Firefox, Spotify, Google Chrome, WhatsApp, Microsoft Edge, Microsoft Word, Microsoft Excel, and Microsoft Powerpoint. The system tray shows the date and time: 10:30 PM 03-08-2025.



The screenshot shows a dark-themed code editor interface with a sidebar on the left containing various icons for file operations, search, and navigation. The main area displays a JSON file named "faultdetect_dep2_test_result.json". The JSON structure is as follows:

```
1 [ { "fields": [ "prediction", "probability" ], "values": [ [ "Line Breakage", [ 0.3903001601394518, 0.2418251292774404, 0.36787471058310767 ] ], [ "Line Breakage", [ 0.46938913844846114, 0.33665368747252566, 0.1939571740790131 ] ], [ "Overheating", [ 0.3062054854983894, 0.35438607254582194, 0.33940844195578873 ] ] ] } ]
```

The status bar at the bottom shows the following information: Ln 1, Col 1, Tab Size: 4, UTF-8, LF, {}, JSON, Go Live, CODEGPT, and the date/time 10:31 PM 03-08-2025.