

Step-1: This is IBM Cloud board

The screenshot displays the IBM Cloud dashboard. At the top is a dark navigation bar with the 'IBM Cloud' logo, a search bar, and user information. Below this is a light gray header area containing the 'Dashboard' title, links for 'Edit dashboard' and 'Upgrade account', and a prominent blue 'Create resource' button. The main content area, titled 'For you', features a horizontal scrollable list of five cards. The first card, 'Build', is highlighted with a blue-to-purple gradient. The subsequent cards are 'Track emissions with Carbon Calculator', 'Use Watson Assistant', 'Use Watson Studio', and 'Build with Watson'. Each card includes a brief description and a 'Popular' badge with a duration (1 min or 2 min or 3 min). At the bottom, there are three sections: 'IBM Cloud status', 'Recent support cases', and 'Planned maintenance', each with a 'View all' link.

IBM Cloud

Search resources and products...

Catalog Manage Shireesha Palakurla's A...

Dashboard

Edit dashboard Upgrade account Create resource +

For you Select an option

Build
Explore IBM Cloud with this selection of easy starter tutorials and services.

Track emissions with Carbon Calculator
View estimated greenhouse gas emissions for your IBM Cloud account and export data for ESG reporting.
Recommended 1 min

Use Watson Assistant
Watson Assistant lets you build conversational interfaces into any application, device, or channel.
Popular 2 min

Use Watson Studio
Watson Studio provides a suite of tools and a collaborative environment for data scientists, developers and domain experts.
Popular 2 min

Build with Watson
Chatbots, insights, recognizers, and more. Explore the AI platform for business.
Popular 3 min


IBM Cloud status View all Recent support cases View all Planned maintenance View all

Step-2:Click on Navigation menu, go to Resources list

The screenshot shows the IBM Cloud user interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user profile. The left-hand navigation menu is expanded, with 'Resource list' highlighted. The main content area features a 'Create resource' button and a table with the following columns: Group, Location, Product, Status, and Tags. Each column has a corresponding filter input field. The table currently displays no data rows.

Group	Location	Product	Status	Tags
-------	----------	---------	--------	------

Step-3: and clear all the resources.


 IBM Cloud


Search resources and products...


Catalog


Manage


Shireesha Palakurla's A...

































































Resource list

Create resource +

▼ Name	↑ Group	Location	Product	Status	Tags
<input type="text" value="Filter by name or IP address..."/>	<input type="text" value="Filter by group..."/>	<input type="text" value="Filter..."/>	<input type="text" value="Filter..."/>	<input type="text" value="Filter..."/>	<input type="text" value="Filter..."/>
▼ Compute (0)					
▼ Containers (0)					
▼ Networking (0)					
^ Storage (0)					
▼ Converged infrastructure (0)					
▼ Enterprise applications (0)					
^ AI / Machine Learning (0)					
▼ Analytics (0)					
▼ Blockchain (0)					

Step-4: Click on search icon and type “Watsonx.ai studio”. Select Watsonx.ai studio(Service).

The screenshot shows the IBM Cloud Catalog interface. The top navigation bar includes the IBM Cloud logo, a search bar with 'watsonx' entered, and user information. The left sidebar shows a 'Resource list' with categories like Compute, Containers, Networking, Storage, Converged infrastructure, Enterprise applications, AI / Machine Learning, Analytics, and Blockchain. The main content area displays 'Catalog Results' for the search term 'watsonx'. The results list includes:

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

Below the results list are links to 'Search "watsonx" in Support Cases' and 'Search "watsonx" in Docs'. The right side of the interface shows a table with columns: Location, Product, Status, and Tags. A 'Create resource' button is visible in the top right corner.

<https://cloud.ibm.com/catalog/services/watsonxai-studio>

Step-5: Click on the check box and Create.

IBM Cloud

Search resources and products...

Catalog


Manage

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[Catalog](#) /

watsonx.ai Studio

(Formerly known as Watson Studio) Develop powerful AI solutions with an integrated collaborative studio and industry-standard APIs and SDKs.



Create

About

Type
Service

Provider
IBM

Last updated
05/06/2025

Category
AI / Machine Learning

Compliance
HIPAA Enabled
IAM-enabled

Select a location

Sydney (au-syd)

Select a pricing plan

Prices shown are for country or location: [United States](#)

Plan	Features and capabilities	Pricing
Lite	1 authorized user	Free

Summary

watsonx.ai Studio **Free**

Location: Sydney (au-syd)
Plan: Lite
Service name: watsonx.ai Studio-16
Resource group: Default

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

Create

Add to estimate

Step-6: Click on the Launch in

IBM Cloud

Search resources and products...

Catalog

Manage

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?


[Resource list](#) /

watsonx.ai Studio-16 ✓ [Add tags](#) [✎](#) [Details](#)

Actions ▼

Manage

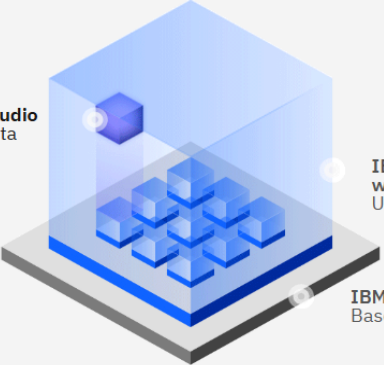
Plan



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.

Step-7: Select Provision Watsonx.ai Runtime and click on Next

The screenshot displays the IBM watsonx.ai Studio web application. The top navigation bar includes the IBM logo, a search bar, and user account information. The main content area is divided into sections: 'Welcome, Shire', 'Take a tutorial', 'Quick start', and 'Build and manage ML models with watsonx.ai Studio'. The 'Get started' section on the right lists two options: 'Provision watsonx.ai Studio' and 'Provision watsonx.ai Runtime', with the latter being selected and marked with a checkmark. A white box highlights the 'Next' button at the bottom right of the 'Get started' section.

IBM watsonx.ai Studio

Search in your workspaces

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Welcome, Shire

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.

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.

Next

Cancel

Build customer profiles with IBM Match 360 with Wats

Catalog and govern data with watsonx.data intelligence

Fault type	Jul 25, 2025	Jul 25, 2025 7:41 PM	Crop_deploy	Jul 22, 2025 9:09 PM

Step-8: Click on the Create

The screenshot shows the 'Create' dialog for 'watsonx.ai Runtime' in the IBM watsonx.ai Studio interface. The dialog is a dark-themed overlay with a light gray border. It has a 'Close' button in the top right corner. The main content area is divided into two tabs: 'Create' (active) and 'About'. The 'Create' tab contains a 'Select a region' section with a dropdown menu showing 'Sydney'. Below this is a 'Pricing plan' section with a note: 'Displayed prices do not include tax. Monthly prices shown are for country or region: United States'. A table lists the pricing plans, with the 'Lite' plan selected. The 'Summary' panel on the right shows the configuration details: Region: Sydney, Plan: Lite, Service name: watsonx.ai Runtime-he, and Resource group: Default. At the bottom of the dialog, there are three buttons: 'Create' (highlighted in blue), 'View terms', and 'Cancel'.

IBM watsonx.ai Studio

Search in your workspaces

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watsonx.ai Runtime

Author: IBM • Date of last update: Jul 23, 2025 • [Docs](#) • [API Docs](#)

Create About

Select a region

Select a region

Sydney

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:	Free

Summary

watsonx.ai Runtime

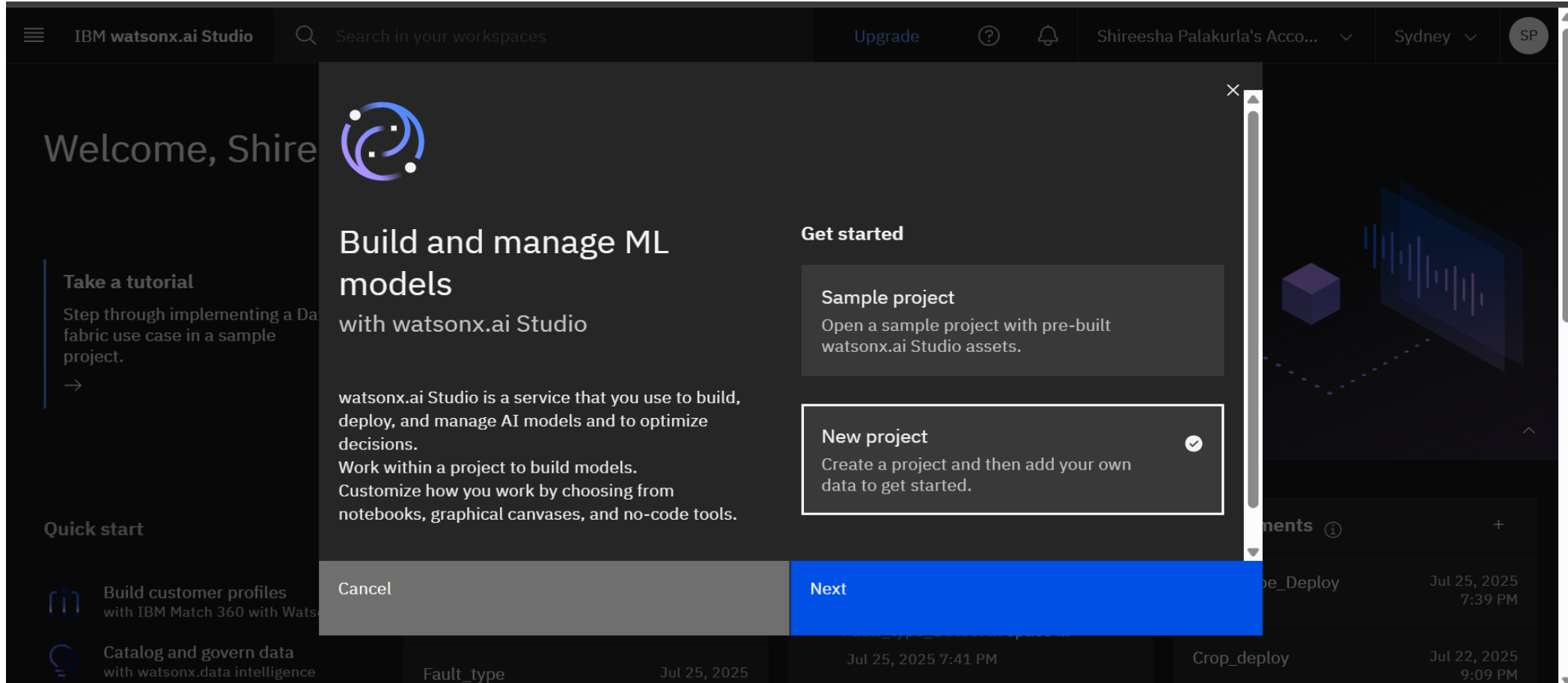
Region: Sydney
Plan: Lite
Service name: watsonx.ai Runtime-he
Resource group: Default

Create

View terms

Cancel

Step-9: Select New project and click on Next



The screenshot shows the IBM watsonx.ai Studio interface. A modal dialog box titled "Build and manage ML models with watsonx.ai Studio" is open. The dialog contains the following sections:

- Welcome, Shire** (with the IBM logo)
- 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
 - Catalog and govern data with watsonx.data intelligence
- 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. (This option is selected and highlighted with a white border and a checkmark icon.)
- Buttons**: "Cancel" and "Next" (highlighted in blue).

The background interface shows a sidebar with "Welcome, Shire" and a main area with a "Projects" section. The "Projects" section lists several projects, including "Fault_type" and "Crop_deploy", with their creation dates and times.

Step-10: Enter project name and scroll a little, Click on Add

IBM watsonx.ai Studio

Search in your workspaces

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?

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Sydney ▾

SP

Create a project

Start with a new, blank project or select from where to import an existing project.

+ New

Local file

Sample

Define details

Name

Fault Type

Description (optional)

What's the purpose of this project?

Tags (optional)

Add tags

Add tags to make projects easier to find. To add tags, separate them with commas and press Enter.

Define storage

① Select storage service

Add

Cancel

Create

Step-11: Select Free plan, Click on Continue

IBM watsonx.ai Studio

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[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.	Free

Summary


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


Create

View terms


Cancel


Step-12: Click on the Refresh, click on the Create

 IBM watsonx.ai Studio

 Search in your workspaces


Upgrade





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Sydney ▾


SP 

Create a project

Start with a new, blank project or select from where to import an existing project.

+ New

 Local file

 Sample

Define details

Name

Fault Type

Description (optional)

What's the purpose of this project?

Tags (optional)

Add tags

Add tags to make projects easier to find. To add tags, separate them with commas and press Enter.

Storage

Cloud Object Storage-zn

Project includes integration with [Cloud Object Storage](#) for storing project assets.

Cancel

Create

Step-13: Click on the Manage

The screenshot displays the IBM watsonx.ai Studio interface. At the top, a dark navigation bar includes the logo, a search bar, and user account information. Below this, a breadcrumb trail shows 'Projects / Fault Type'. A secondary navigation bar contains tabs for 'Overview', 'Assets', 'Jobs', and 'Manage', with 'Manage' being the active tab. The main content area is titled 'Start working' and features four recommended actions: adding collaborators, adding data, working with notebooks, and building machine learning models. Below these are three panels: 'Assets' with a description and a bar chart icon, 'Resource usage' showing a value of 0 CUH, and 'Your documentation' with a 'New!' badge and a button to open the documentation editor.

IBM watsonx.ai Studio

Search in your workspaces

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Projects / Fault Type

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.

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

Step-14: Associate the service

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Projects / Fault Type

Overview

Assets

Jobs

Manage

Project

⚙️ General

🔑 Access control

🌐 Environments

📊 Resource usage

⚙️ Services & integrations

Tools

🔗 Pipeline

Services & integrations

IBM services


Third-party integrations

Associate IBM Cloud services with this project to add tools, compute environments, or other capabilities.[Learn more.](#)

🔍 Find services

Associate service +

<input type="checkbox"/>	Name	Service type
--------------------------	------	--------------

No services

au-syd.dai.cloud.ibm.com/projects/.../services?context=cpdaas#

Step-15: Click on the Watsonx.ai Runtime and Associate

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

1 x Default ▾ 2 x Locations ▾

Find services [New service +](#)

Name	Type	Plan	Location	Status	Group
<input checked="" type="checkbox"/> watsonx.ai Runtime-he ⓘ	watsonx.ai Runtime	Lite	Sydney	⚡ Not associated	Default

Cancel Associate

Step-16: Click on “Build machine learning models automatically”

The screenshot displays the IBM watsonx.ai Studio interface. At the top, a dark navigation bar includes the logo, a search bar, an 'Upgrade' button, and user account information. Below this, a breadcrumb trail shows 'Projects / Fault Type'. A secondary navigation bar contains tabs for 'Overview' (which is selected and highlighted with a blue border), 'Assets', 'Jobs', and 'Manage'. The main content area is titled 'Start working' and features four large, light-gray rectangular cards, each with an icon and a right-pointing arrow. The fourth card, 'Build machine learning models automatically', is highlighted with a darker gray background. Below these cards, a 'View all' link is on the left and a 'Collapse' button is on the right. The bottom section of the interface is divided into three panels: 'Assets' with a description and a bar chart icon, 'Resource usage' showing a '0 CUH' value, and 'Your documentation' with a 'New!' badge and an 'Open Documentation editor' button.

IBM watsonx.ai Studio

Search in your workspaces

Upgrade

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Projects / Fault Type

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.

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

Step-17: Enter the experiment name and Click on Create

The screenshot displays the IBM watsonx.ai Studio interface for creating an AutoAI experiment. The top navigation bar includes the IBM watsonx.ai Studio logo, a search bar, an 'Upgrade' button, a help icon, a notification bell, a user profile dropdown for 'Shireesha Palakurla's Acco...', a location dropdown for 'Sydney', and a user initials icon 'SP'. The breadcrumb trail shows 'Projects / Fault Type'. The main heading is 'Build machine learning models automatically', with a subtext 'Define the details to create an AutoAI experiment asset and open it in the AutoAI tool.' On the left sidebar, there are options for 'Over', 'Sta', '+ New', 'Add', 'View', and 'Asse'. The 'Define details' section contains a 'Name' field with the value 'Fault Type ML', a 'Description (optional)' text area with the placeholder 'What's the purpose of this AutoAI experiment?', and a 'Tags (optional)' section with the instruction 'Add tags to make assets easier to find.' The 'Define configuration' section shows a 'watsonx.ai Runtime service instance' dropdown with the selected value 'watsonx.ai Runtime-he', an 'Environment definition' dropdown with the selected value 'Large: 8 CPU and 32 GB RAM', and a note stating 'This environment definition consumes 20 capacity units per hour for training. For details, see [watsonx.ai Runtime plans](#).' At the bottom, there are three buttons: 'Cancel', 'Back', and 'Create'.

IBM watsonx.ai Studio

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Projects / Fault Type

Build machine learning models automatically

Define the details to create an AutoAI experiment asset and open it in the AutoAI tool.

+ New

Add

Sample

Define details

Name

Fault Type ML

Description (optional)

What's the purpose of this AutoAI experiment?

Tags (optional)

Add tags to make assets easier to find.

Define configuration

watsonx.ai Runtime service instance

watsonx.ai Runtime-he

Environment definition ⓘ

Large: 8 CPU and 32 GB RAM

This environment definition consumes **20 capacity units per hour** for training. For details, see [watsonx.ai Runtime plans](#).

Cancel

Back

Create

Step-18: Add the Downloaded data set with the help of Browser option

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Projects / Fault Type / Fault Type ML

Configure AutoAI experiment

Fault Type ML 

Add data source




Drop data files here or browse for files to upload


Add files such as tabular data (CSV).

Browse



Select from project

Step-19: Data set is loaded

 IBM watsonx.ai Studio


 Search in your workspaces

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Projects / Fault Type / Fault Type ML

Configure AutoAI experiment

Fault Type ML 


Autosaved: 10:36:28 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

 **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

Step-20: . In create a time series analysis? You can choose No option

IBM watsonx.ai Studio

Search in your workspaces

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?

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Projects / Fault Type / Fault Type ML

Configure AutoAI experiment

Fault Type ML

Autosaved: 10:36:28 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

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

No

Step-21: Choose the prediction Column.

IBM watsonx.ai Studio

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Projects / Fault Type / Fault Type ML

Configure AutoAI experiment

Fault Type ML 


Autosaved: 10:36:28 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

 **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

 **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)

Step-22: now Click on the Run experiment

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Projects / Fault Type / Fault Type ML

Configure AutoAI experiment


Fault Type ML 

Autosaved: 10:36:28 PM


Add files such as tabular data (CSV).

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: 13.29 CUH


PREDICTION TYPE

Multiclass Classification

OPTIMIZED FOR

Accuracy & run time

Experiment settings 

Run experiment 

Step-23:Auto AI experiment is running,Pipelines are building, This is the pipeline leader board. In this Pipeline2 is the top performe, Now we can save this model. Click on the Save as

IBM watsonx.ai Studio

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Projects / Fault Type / Fault Type ML

Experiment summaryPipeline comparison

★ Rank by: Accuracy (Optimized) | Cross validation score

Read datasetSplit holdout dataRead training dataPreprocessingModel selectionSnap Logistic RegressionHyperparameter optimization (P1)Feature engineering (P2)Hyperparameter optimization (P3)Ensemble creation (P4)

Feature engineering
SNAP LOGISTIC REGRESSION
Started feature engineering for pipeline P3
Time elapsed: 6 minutes

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

Pipeline leaderboard

	Rank	Name	Algorithm	Accuracy (Optimized) Cross Validation	Enhancements	Build time	
★	1	Pipeline 2	○ Snap Logistic Regression	0.367	HPO-1	00:00:59	Save as

Step 24: Choose Model asset and click on Create then The mode saved successfully and click on view in project

The screenshot shows the 'Save as' dialog in IBM watsonx.ai Studio. The interface is divided into two main sections: 'Select asset type' and 'Define details'.

Select asset type:

- Model:** Create a watsonx.ai Runtime model asset that you can test with new data, deploy to generate predictions, and trace lineage activity. This option is selected, indicated by a blue border and a checkmark icon.
- Notebook:** Create a notebook if you want to view the code that created this model pipeline or interact with the model programmatically.

Define details:

- Name:** P8 - Random Forest Classifier: Fault Type ML
- Description (optional):** Model description
- Tags:** Add tags to make assets easier to find. There is a text input field with 'Add a tag' and a plus icon.

At the bottom right, there are two buttons: 'Cancel' and 'Create'.

Step-24: Click on promote to space on arrow

IBM watsonx.ai Studio

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Projects / Fault Type / P8 - Random Forest Classifier: Fault Type ML

Input (1)

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

Promote to space

About this asset

Name

P8 - Random Forest Classifier: Fault Type ML

Description

No description provided.

Asset Details

Type: wml-hybrid_0.1

Model ID: 1f1a68e6-f625-44...

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

23 seconds ago by Shireesha Palakurla

Created on

Jul 31, 2025 by Shireesha Palakurla

Step-26: Create the new deployment space.

The screenshot shows the IBM watsonx.ai Studio interface with a 'Promote to space' dialog box open. The dialog box has a title bar with a close button (X). Below the title, it says 'Promote the asset to a deployment space to deploy the asset or to support a deployment.' The dialog is divided into two main sections: 'Target deployment space' on the left and 'Selected assets (1)' on the right.

Target deployment space: This section contains a search bar with the placeholder text 'Select or create a space'. Below the search bar is a list of options: 'Create a new deployment space' (with a plus icon), 'Crop_deploy', and 'Fault_Type_Deploy'. Below the list is a text area labeled 'Description of assets'. At the bottom of this section is a search bar with the placeholder text 'Find or create tags'.

Selected assets (1): This section contains a table with one row of data. The table has four columns: 'Name', 'Format', 'Version', and 'Status'.

Name	Format	Version	Status
P8 - Random Forest Classifier: Faul...	Model	Current	Queued

Below the table, there is a note: '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.'

At the bottom of the dialog box, there are two buttons: 'Cancel' and 'Promote'.

Step-27: Give the deployment space name and select watsonx.ai Runtime service , click on Create

The screenshot shows the IBM watsonx.ai Studio interface with a modal dialog titled "Create a deployment space". The dialog includes a sidebar on the left with a "+ New" button and a "Local file" option. The main area is titled "Define details" and contains several form fields: "Name" (filled with "Fault Type Deploy"), "Description (Optional)" (with a placeholder "What's the purpose of this space?"), "Deployment stage" (a dropdown menu), "Tag (optional)" (a dropdown menu with "Find or create tags"), "Storage" (a dropdown menu with "Cloud Object Storage-zn"), and "watsonx.ai Runtime (optional)" (a dropdown menu with "watsonx.ai Runtime-he" selected). At the bottom right of the dialog are "Cancel" and "Create" buttons.

IBM watsonx.ai Studio

Search in your workspaces

Upgrade

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Sydney

Projects / Fault Type / P8 - Random Forest Classifier: Fault Type ML

Promote to space

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

Create a deployment space

Use a space to collect assets in one place to create, run, and manage deployments

+ New

Local file

Define details

Name

Fault Type Deploy

Description (Optional)

0/100

What's the purpose of this space?

Deployment stage

Select or enter a name that describes the purpose of the space

Tag (optional)

Find or create tags

Add tags to make assets easier to find

Storage

Cloud Object Storage-zn

Space will include integration with [Cloud Object Storage](#) for storing space assets.

watsonx.ai Runtime (optional)

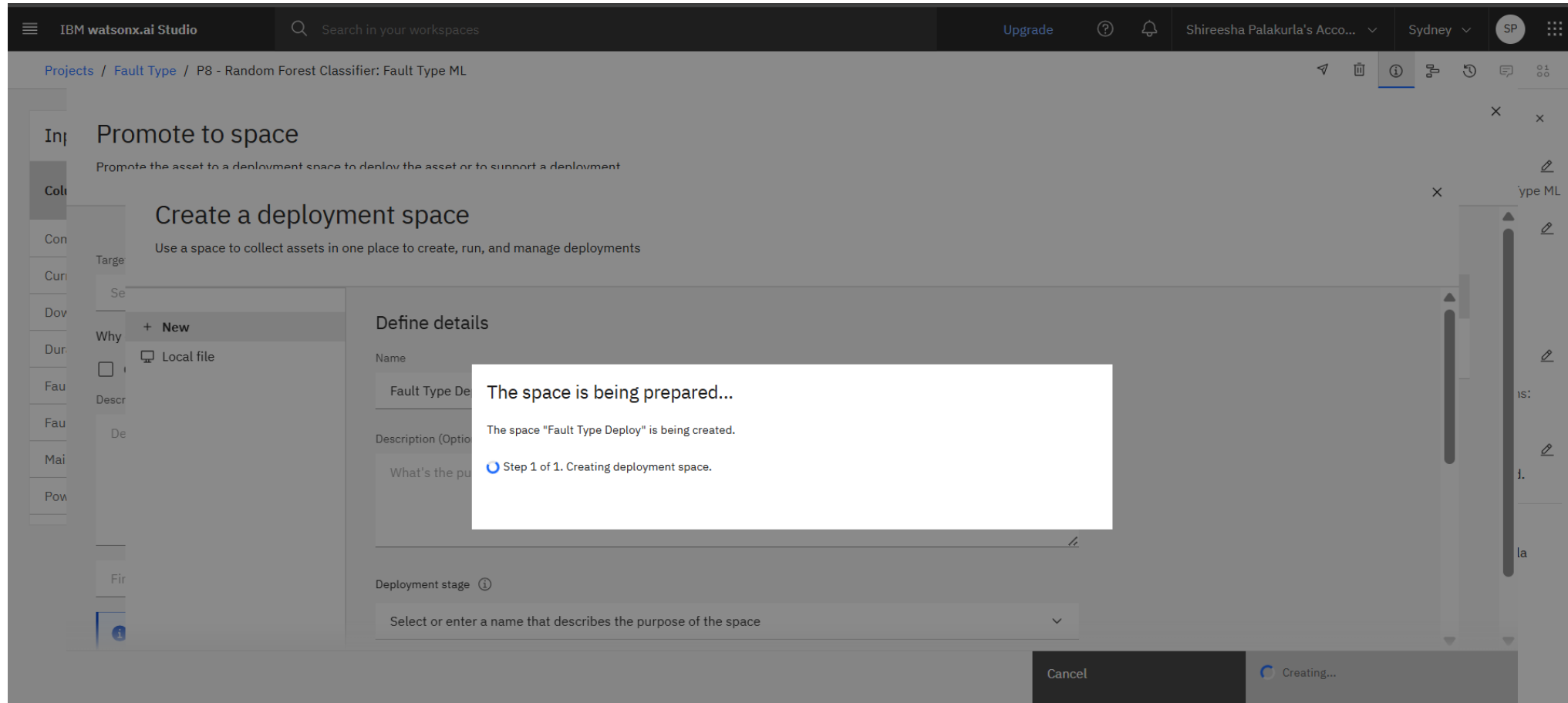
watsonx.ai Runtime-he

Advanced Settings

Cancel

Create

Step-28:it's preparing the deployment space



Step-29: Click on the promote

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Search in your workspaces

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Sydney

SP

Projects / Fault_type / P8 - Random Forest Classifier: Fault_type_ML

Integrations

Collaboration

Configuration

Current

Deployment

Duration

Fault Type

Fault Type

Machine Learning

Power BI

Promote to space

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

Target deployment space

Fault_Type_Deploy

Why don't I see all of my spaces?

☐ Go to the model in the space after promoting it

Description (Optional)

Description of assets

Find or create tags

Promoting a version of an asset to a space creates a new asset in the space, with a new asset ID.

Selected assets (1)

Name	Format	Version	Status
P8 - Random Forest Classifier: Faul...	Model	Current	Queued

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.

Cancel

Promote

Step-30:it's promoted and click on deployment space

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Projects / Fault_type / P8 - Random Forest Classifier: Fault_type_ML

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
P8 - Random Forest Classifier: Fault_type_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

✔ Success

Successfully promoted P8 - Random Forest Classifier: Fault_type_ML to the deployment space. Go to the [deployment space](#) to prepare the assets for deployment.

Timestamp 7:39:55 PM

Step-31:Click on the Asset name

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Deployment spaces /

Fault_Type_Deploy

OverviewAssetsDeploymentsJobsManage

Find assets

Import assets


New asset

1 asset

All assets

Asset types

Models

Name	Last modified
 P8 - Random Forest Classifier: Fault_type_ML Machine learning model from AutoAI	25 seconds ago Service

1 of 1 pages

au-syd.dai.cloud.ibm.com/.../be32ac26-c942-4229-b95f-a27610603c09?spac...

Step-32: Click on the New deployment

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Deployment spaces / Fault_Type_Deploy / P8 - Random Forest Classifier: Fault_type_ML

Deployments

Model details

Search

New deployment

Name	Type	Status	Tags	Last modified
<div><div></div><div><p>This asset doesn't have any deployments yet</p><p>Use the New Deployment button to create a deployment for this asset.</p></div></div>				

Items per page: 20 0-0 of 0 items 1 of 1 pages

About this asset

Name

P8 - Random Forest Classifier: Fault_type_ML

Description

No description provided.

Asset Details

Type: wml-hybrid_0.1

Model ID: be32ac26-c942-42...

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

46 seconds ago by Service

Created on

Jul 25, 2025 by Unknown

Step-33: select deployment type and give the deployment name. Click on the Create.

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Deployment spaces / Fault_Type_Deploy / P8 - Random Forest Classifier: Fault_type_ML

Create a deployment

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

Fault_type_Detect

Serving name

Deployment serving name

Enter a short name to be used as the serving name for the deployment. The name must be unique to be valid.

Description

Deployment description

Tags

Add tags to make assets easier to find.

Find or create tags

Cancel Create

Step-34: Model is deployed.

The screenshot displays the IBM watsonx.ai Studio interface. The top navigation bar includes the logo, a search bar, and user account information. The main content area shows the 'Deployments' tab for a specific model. A table lists the deployment, showing it is 'Online' and 'Deployed'. The right sidebar provides details about the asset, including its name, description, and specifications.

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Search in your workspaces

Upgrade ? 1 Shireesha Palakurta's Acco... Sydney SP

Deployment spaces / Fault_Type_Deploy / P8 - Random Forest Classifier: Fault_type_ML

Deployments Model details

Search

Name	Type	Status	Tags	Last modified
Fault_type_Detect	Online	✓ Deployed	Add tags +	27 seconds ago Shireesha Palakurta (You)

New deployment

About this asset

Name
P8 - Random Forest Classifier:
Fault_type_ML

Description
No description provided.

Asset Details
Type: wml-hybrid_0.1
Model ID: be32ac26-c942-42...
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
1 minute ago by Service

Created on
Jul 25, 2025 by Shireesha Palakurta

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

au-syd.dai.cloud.ibm.com/.../27f1b222-ee85-4162-9985-74f11227881e?spac...

Step-35: Now click on Test to predict with new values.

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Deployment spaces / Fault_Type_Deploy / P8 - Random Forest Classifier: Fault_type_ML /

Fault_type_Detect 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](#)

	Fault ID (other)	Fault Location (Latitude, Longitude) (other)	Voltage (V) (double)	Current (A) (double)	Power Load (MW) (double)	Temperature (°C) (double)	Wind Speed (km/h) (double)	Weather Condition (other)	Maintenance
1									
2									
3									
4									
5									
6									
7									
8									
9									

0 rows, 12 columns

Predict

Step-36: Enter the new values and click on predict

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Sydney

SP

Deployment spaces / Fault_Type_Deploy / P8 - Random Forest Classifier: Fault_type_ML /

Fault_type_Detect

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

	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	52	20	18	Snowy	Scheduled	Normal	5.4	2.1
2	47	25	13	Clear	Completed	Normal	2.4	6.9
3	54	33	16	Snowy	Scheduled	Faulty	3.2	6.4
4	50	22	13	Windstrom	Pending	Overheated	5.8	3.3
5								
6								
7								
8								
9								

4 rows, 12 columns

Predict

Step-37: It's predicted label name with 99% confidence

