


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.


Recommended1 min



Use Watson Assistant

Watson Assistant lets you build conversational interfaces into any application, device, or channel.


Popular2 min



Build with Watson

Chatbots, insights, recognizers, and more. Explore the AI platform for business.


Popular3 min



Use Watson Studio

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


Popular2 min



Build a Virtual Private Cloud (VPC)

Upgrade to a paid account to create your own protected space in the IBM Cloud.


Getting started7 min



IBM Watson Machine Learning

Deploy, monitor and optimize machine learning models quickly and easily. Leverage auto-generated APIs to infuse AI into your applications.

Popular2 min




Get Started with Studio


Get started with u and Cloud Object 15 minutes.

Popular

IBM Cloud status


[View all](#)



No issues 

Recent support cases


[View all](#)



You can view a summary of your support cases here after you submit them. [Learn more about how to get support.](#)

Planned maintenance

[View all](#)



Clear skies!
You can view your scheduled maintenance events [here](#).

Total emissions

[View all](#)

Emissions (kgCO₂e)

No available data. Check that your service is supported or try again after the billing cycle closes.[Learn more.](#)

 Find information

Overview

Planning an AI solution

Getting started and tutorials

Gen AI solutions

Terms of use

Tokens

Supported foundation models

Building prompts

Automating tasks with AI agents

Agent Lab (beta)

Agent-driven chat

Coding generative AI solutions

Retrieval-augmented generation

Tuning models

Projects

Preparing data

Data science solutions

Deploying AI

Governing AI

Administration

Glossary



To build an AI agent, complete the following steps:

1. From the [watsonx.ai home page](#), choose a project, and then click the **New asset > Build an AI agent to automate tasks** tile.
2. Select a foundation model and optionally update model parameters. For details, see [Foundation model configuration](#).
3. To set up your agent, specify a name for the agent and describe the tasks the agent performs.

Optional: Add some sample questions that the user can submit to start interacting with the agent.

4. *Optional:* Select an icon and background image to customize how your agent appears in the **Agent Preview** pane.
5. Select the AI agent framework you want to use to create, deploy and, manage your agent.

Note: Currently, watsonx.ai offers LangGraph as the only framework choice.

6. Select the architecture that implements agentic AI reasoning.

Note: Currently, watsonx.ai offers ReAct as the only architecture choice.

7. Define specific instructions for your agent that is used to enhance the system prompt for the foundation model. The instructions can include using a specific language, date or time format, user greeting, or an external tool as an information source instead of a foundation model's knowledge base.
8. Ground your agent with relevant knowledge by uploading files or connecting to external vector database that contain your vectorized documents. For details about how to add documents to a vector data store in your project, see [Adding vectorized documents](#).
9. Select one or more external tools that the agent framework can use to generate a response. You can choose tools from a list of pre-defined tools or create your own custom tool. For details, see [Tools configuration](#).



IBM watsonx

Shalini Verma's Account Dallas SV

Welcome back, Shalini

Train, validate, tune and deploy AI models.

Customize my journey

Open in: Travel agent

Chat and build prompts with foundation models

Start chatting

Open Prompt Lab

Build an AI agent to automate tasks

with Agent Lab

Tune a foundation model with labeled data

with Tuning Studio

Collapse

Discover

Collapse Discover section

Developer access

Project or deployment space

Project ID

Project or deployment space

00000000-0000-0000-0000-000000000000

Project ID

watsonx.ai URL

https://us-south.ml.cloud.ibm.com

watsonx.ai URL

Used to call watsonx.ai APIs such as LLM inferencing, embedding, training, and chatting.

Create API key

Manage IBM Cloud API keys

Developer hub

New watsonx Developer Hub to start coding fast.

Make your first API request to inference a foundation model in watsonx.ai. Find the right foundation models and code libraries for your AI applications.


Resource hub


What's new

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

Travel_agent

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-xj

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

Advanced settings

Cancel

Create

IBM watsonx

?


🔔

Shalini Verma's Account

Dallas

SV

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	<p>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</p> <p>---</p>	<div>✔</div>
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
Standard	<p>Standard Plan is a flexible Pay-as-You-Go option with no minimum fee—ideal for workloads with large storage needs but low or infrequent access and outbound traffic. It includes a Free Tier with 5GB of Smart Tier storage for 12 months. Charges are based on actual usage, with separate billing for storage, outbound bandwidth, API operations, and data retrieval. Multiple storage classes help you optimize costs based on how often data is accessed,</p> <p>Free Tier allowance:</p> <ul style="list-style-type: none">Storage up to 5GB/monthUp to 2000 Class A requests/monthUp to 20,000 Class B requests/monthUp to 10GB/month of data retrievalUp to 5GB/month of egress <p>Applies to aggregate total across all smart tier buckets in your account</p>	

Summary

Cloud Object Storage

Region: Global

Plan: One-Rate

Service name: Cloud Object Storage-xj

Resource group: Default

Create

View terms

Cancel

IBM watsonx

Shilini Verma's Account Dallas 5V

Projects / Travel_agent

Associate service

Services

Find services

Category

☐ AI / Machine Learning

☐ Analytics


☐ Databases

☐ Developer tools

☐ Integration

☐ Storage


AI / Machine Learning



watsonx.ai Runtime
AI / Machine Learning

(Formerly known as Watson Machine Learning) Quickly build, run and manage generative AI and machine...


Lite • Free



watsonx.ai Studio
AI / Machine Learning

(Formerly known as Watson Studio) Develop powerful AI solutions with an integrated collaborative studio and...

Lite • Free




watsonx.governance
AI / Machine Learning • Analytics

Accelerate responsibility, transparency and explainability in your data and AI workflows


Lite • Free

Analytics



Analytics Engine
Analytics

Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements ...




Data Product Hub
Analytics

Curate and share trusted data products across your organization.

Lite • Free

Db2 Warehouse
Analytics • Databases • Developer tools • Storage

Db2 Warehouse on Cloud is a flexible and powerful data warehouse for enterprise-level analytics.



watsonx.governance
AI / Machine Learning • Analytics

Accelerate responsibility, transparency and explainability in your data and AI workflows

Lite • Free

IBM watsonx

?

🔔

Shailini Verma's Account

Dallas

SV

Projects / Travel_agent

📄

👤

🔍

🔄

🔗

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-qs ⓘ	watsonx.ai Runtime	Lite	Dallas	⚡ Not associated	Default

Cancel

Associate

IBM watsonx

Upgrade ?

Shalini Verma's Account

Dallas

SV

Projects / Travel_agent / Agent Lab

Share feedback 3

Unsaved

New agent +

Deploy

Build

AI Model: llama-3-3-70b-instruct

Configuration

Framework

LangGraph

Architecture

ReAct

Instructions

Advanced configuration

Avoid giving generic responses — be specific, informative, and adaptive based on user input. Your answers should reflect logic, empathy, and helpfulness, just like a professional human travel assistant.

Knowledge

Tools

Add a tool

Create custom tool

Added tools (2)

Google search

Retrieve information from the internet with the Google search engine.

Weather

Retrieve the weather of a city.

Agent preview

SV You: 10:03 AM

Please give me the 5 day trip plan from Delhi to Manali.

Travel_agent 10:03 AM

Here is a 5-day trip plan from Delhi to Manali:

Day 1: Arrival and Exploring Local Charm

- Arrive in Manali
- Check-in to the hotel
- Visit the Hadimba Devi Temple
- Explore the local market

Day 2: Adventure Activities in Manali and Solang Valley

- Visit the Solang Valley
- Enjoy adventure activities like paragliding, skiing, and zorbing
- Return to Manali in the evening

Day 3: Rohtang Pass and Beyond

- Visit the Rohtang Pass
- Enjoy the scenic views and snow activities
- Return to Manali in the evening

Day 4: Manali Local Sightseeing

- Visit the Manu Temple
- Explore the old Manali village
- Visit the Vashisht Temple and hot water springs

Day 5: Departure

Type something...

Agent preview

SV You: 10:02 AM

what is python programming?

Travel_agent 10:02 AM

I'm here to help you with your travel plans. If you have any travel-related questions or need help planning a trip, I'd love to assist you!

► How did I get this answer?

SV You: 10:03 AM

Please give me the 5 day trip plan from Delhi to Manali.

Travel_agent 10:03 AM

Here is a 5-day trip plan from Delhi to Manali:

Day 1: Arrival and Exploring Local Charm

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Day 4: Manali Local Sightseeing

- Visit the Manu Temple
- Explore the old Manali village
- Visit the Vashisht Temple and hot water springs

Day 5: Departure

- Check-out from the hotel
- Depart for Delhi

This itinerary provides a mix of local exploration, adventure activities, and scenic views, and can be customized based on individual preferences and interests.

► How did I get this answer?



Type something...



IBM watsonx

Upgrade ⓘ 🔔 Shalini Verma's Account ▾ Dallas ▾ SV

Projects / Travel_agent / Agent Lab

Build

AI Model: granite-3-3-8b-instruct ⌵ ⚙️ <

Travel_agent

Description 96/100

Hi! I'm your Travel Planner Agent 🗺️. Let's plan your perfect trip with stays, routes & weather!

Icon

Placeholder image

Quick start questions

Add up to 4 quick start questions that your users can select. +

Configuration

Framework Architecture

LangGraph ▾ ReAct ▾

Instructions

Advanced configuration

If a user greets you, respond with:

**Hi! I'm your Travel Planner Agent 🗺️. Tell me about your dream trip -- where you're going, your dates, and your budget,

Agent preview

SV You: 10:07 AM

What are the best places to visit in Kerala during November?

Travel_agent 10:07 AM

Hi there! Kerala is a beautiful destination, especially in November when the weather is pleasant. Here are some top places you might want to consider:

1. **Munnar**: Known for its sprawling tea plantations, hill stations, and wildlife sanctuaries. You can visit the famous Teak Triangle, Eravikulam National Park, and Mattupetty Dam.

2. **Kovalam**: A beach destination with three segments - Lighthouse Beach, Hawah Beach, and Vizhinjam Beach. It's perfect for relaxation and water sports.

3. **Alleppey**: Famous for its backwaters, you can enjoy a houseboat cruise here. It's a must-do activity in Kerala.

4. **Kochi**: Explore the cultural heritage with a visit to Fort Kochi, Jew Town, and Chinese Fishing Nets.

5. **Periyar**: A wildlife enthusiast's paradise with its national park and tiger reserve. You can also enjoy boat rides in Periyar Lake.

6. **Thekkady**: Known for its spice plantations, you can visit the nearby spice gardens and enjoy an elephant safari in Mudumalai Tiger Reserve.

Remember, November is a good time to visit these places as the monsoon season is over and the winter hasn't set in yet, making the weather comfortable for sightseeing.

Let me know your exact dates and preferences so I can tailor the plan further! 🌞 🍹

▶ How did I get this answer?

🔄

Type something... 🔍 ⌵

IBM watsonx

Project / Travel_agent / Agent Lab

Build

Model: granite-3.3-0b-instruct

Agent preview

Setup

Name

Travel_agent

Description

Hi I'm your Travel Planner Agent 🗺️. Let's plan your perfect trip with stays, routes & weather!

Icon

Placeholder image

Quick start questions

add up to 4 quickstart questions that your users can select.

Configuration

Prompt

Langchain

Architecture

REACT

Instructions

Put a 🗺️ icon in front of each instruction. Agents should be able to answer your travel trip — where you're going, your dates, who your budget, who is a part of the trip.

Avoid giving generic responses — be specific, informative, and adaptive based on user input. Your answers should reflect logic, empathy, and helpfulness, just like a professional human travel assistant.

Knowledge

Tools

add a tool

create custom tool

Added tools (2)

Google search

Retrieve information from the internet with the Google search engine.

Advanced configuration

Agent preview

You: 10:07 AM

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2. Kovalam: A beach destination with three segments - Lighthouse Beach, Newsh Beach, and Varkijem Beach. It's perfect for relaxation and water sports.

3. Alleppey: Famous for its backwaters, you can enjoy a houseboat cruise here. It's a must-do activity in Kerala.

4. Kochi: Explore the cultural heritage with a visit to Fort Kochi, Jew Town, and Chinese Fishing Nets.

5. Periyar: A wildlife enthusiast's paradise with its national park and tiger reserve. You can also enjoy boat rides in Periyar Lake.

6. Thekkady: Known for its spice plantations, you can visit the nearby spice gardens and enjoy an elephant safari in Mudumalai Tiger Reserve.

Remember, November is a good time to visit these places as the monsoon season is over and the winter hasn't set in yet, making the weather comfortable for a getaway.

Let me know your exact dates and preferences so I can tailor the plan further! 🗺️👏

➤ How did I get this answer?

You: 10:08 AM

Are there any travel restrictions for Thailand right now?

Travel_agent 10:08 AM

I'm here to help you with your travel plans. If you have any travel-related questions or need help planning a trip, I'd love to assist you!

For the most current and accurate information about travel restrictions to Thailand, I recommend checking the official website of the royal Thai embassy in your country or consulting with your local Thai embassy or consulate. They will provide the latest updates on entry requirements, quarantine rules, and other travel advisories.

Stay safe and I'm here if you need further travel assistance! 🇹🇭

➤ How did I get this answer?

You: 11:06 AM

who is PM of India?

Travel_agent 11:06 AM

I'm here to help you with your travel plans. If you have any travel-related questions or need help planning a trip, I'd love to assist you!

As a travel-focused AI, I don't have real-time updates on political figures. As of my last update, the Prime Minister of India is Narendra Modi. However, for the most current information, I recommend checking a reliable news source.

Type something...

IBM watsonx

Upgrade ⓘ 🔔 Shalini Verma's Account Dallas SV

Projects / Travel_agent / Agent Lab

Share feedback 3 Unsaved New agent + Deploy

Deploy as an AI service

Create an online deployment. If you want to edit code in notebook format before deploying, save as a deployment notebook. [Learn more.](#)

You must create a user API key. Click Create to open the API key page in a new tab.

Create

Define details

Deployment name

Travel_agent

Target deployment space

New deployment space +

Reload ↻

Why don't I see all of my deployment spaces? ⓘ

Description (optional)

I'll be your Travel Planner Agent 🗺️. Let's plan your perfect trip with stays, routes & weather!

☒ View in deployment space after deploying ⓘ


Cancel

Deploy

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

Travel_agent

Description (Optional)0/100

What's the purpose of this space?

Deployment stage ⓘ

Testing

Tags (optional)

Find or create tags

Add tags to make assets easier to find

Storage

Cloud Object Storage-xj

Space will include integration with Cloud Object Storage for storing space assets.

watsonx.ai Runtime (optional)

watsonx.ai Runtime -qs

Cancel

Create



Shalini Verma

shalini2207verma@gmail.com

[Edit IBMid profile](#) 

☐ Dark theme off

Profile

Git integrations

User API key

 User API key is successfully created. Your new key is stored in IBM watsonx and IBM Cloud. 

User API key

A user API key is required to authenticate runtime operations in IBM watsonx.
Rotate keys as needed to create a new key and phase out the current key. [Learn more](#)

Name	Creation date	Status
cpd-apikey-IBMid-69800108UN-2025-08-01T05:41:04Z	August 1, 2025 at 11:11:04 AM	 Active

Travel_agent

Overview

Assets

Deployments

Jobs

Manage

Search

Name	Type	Status	Asset	Asset type	Tags	Last modified
 Travel_agent	Online	 Deployed	Travel_agent	AI service	wx-agent	33 seconds ago Shalini Verma (You)

Deployment spaces / Travel_agent / Travel_agent /



Travel_agent Deployed Online

API reference Test Preview

Endpoints for inferencing ⓘ

Private endpoint

https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b39f1885-9697-4fcc-9eaa-01374de5455a/ai_service?version=2021-05-01



https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b39f1885-9697-4fcc-9eaa-01374de5455a/ai_service_stream?version=2021-05-01



Public endpoint

https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b39f1885-9697-4fcc-9eaa-01374de5455a/ai_service?version=2021-05-01



https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b39f1885-9697-4fcc-9eaa-01374de5455a/ai_service_stream?version=2021-05-01



Bearer <token> ⓘ

IBM

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

Code snippets

cURL

Java

JavaScript

Python

Scala

```
const XMLHttpRequest = require("xmlhttprequest").XMLHttpRequest;

// NOTE: you must manually enter your API_KEY below using information retrieved from your IBM Cloud account (https://dataplatform.cloud.ibm.com/docs/content/wsj/analyze-data/ml-authentication.html?context=wx)
const API_KEY = "<your API key>";

function getToken(errorCallback, loadCallback) {
  const req = new XMLHttpRequest();
  req.addEventListener("load", loadCallback);
  req.addEventListener("error", errorCallback);
  req.open("POST", "https://iam.cloud.ibm.com/identity/token");
  req.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");
  req.setRequestHeader("Accept", "application/json");
  req.send("grant_type=urn:ibm:params:oauth:grant-type:apikey@apikey=" + API_KEY);
```



Deployment spaces / Travel_agent / Travel_agent /

Travel_agent Deployed Online

API reference Test Preview

Private endpoint

https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b39f1886-9697-4fcc-9eaa-01374de6465a/ai_service?version=2021-06-01



https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b39f1886-9697-4fcc-9eaa-01374de6465a/ai_service_stream?version=2021-06-01



Public endpoint

https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b39f1886-9697-4fcc-9eaa-01374de6465a/ai_service?version=2021-06-01



https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b39f1886-9697-4fcc-9eaa-01374de6465a/ai_service_stream?version=2021-06-01



[Learn more](#) about the 2021-06-01 version query parameter

Code snippets

cURL

Java

JavaScript

Python

Scala

```
import requests

# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account (https://dataplatform.cloud.ibm.com/docs/content/wsj/analyze-data/ml-authentication.html?context=wx)
API_KEY = "<your API key>"
token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey": API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]

header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

# NOTE: manually define and pass the array(s) of values to be scored in the next line
payload_scoring = [{"messages":["content":"","role":""]]}

response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b39f1886-9697-4fcc-9eaa-01374de6465a/ai_service_stream?version=2021-06-01', json=payload_scoring, headers={'Authorization': 'Bearer ' + mltoken})
```

Show more