

Practical-1

Application of Research PAPER Writing

What is Model access?

To use Bedrock serverless models, account users with the correct IAM Permissions must enable access to available Bedrock foundation models (FMs). View all [Bedrock Model Terms](#) for Bedrock FMs.

[Modify model access](#)

Visit [Amazon Bedrock Quotas](#) for a quick guide to the default quotas and limits that apply to Amazon Bedrock.

Base models (47)

Not seeing a model you're interested in? Check out all supported models by region [here](#).

Find model: Group by provider: ▼

Models	Access status	Modality	EULA
AI21 Labs (5)	0/5 access granted		
Jamba 1.5 Mini	Available to request	Text	EULA
Jamba 1.5 Large	Available to request	Text	EULA
Jamba-Instruct	Available to request	Text	EULA
Jurassic-2 Ultra	Available to request	Text	EULA

Models	Access status	Modality	EULA
<input type="checkbox"/> Embed Multilingual	Available to request	Embedding	EULA
<input type="checkbox"/> Command	Available to request	Text	EULA
<input type="checkbox"/> Command Light	Available to request	Text	EULA
<input type="checkbox"/> ▼ Meta (9)	1/9 access granted		
<input type="checkbox"/> Llama 3.3 70B Instruct Cross-region inference	Available to request	Text	EULA
<input type="checkbox"/> Llama 3.2 1B Instruct Cross-region inference	Available to request	Text	EULA
<input type="checkbox"/> Llama 3.2 3B Instruct Cross-region inference	Available to request	Text	EULA
<input type="checkbox"/> Llama 3.2 11B Vision Instruct Cross-region inference	Available to request	Text & Vision	EULA
<input type="checkbox"/> Llama 3.2 90B Vision Instruct Cross-region inference	Available to request	Text & Vision	EULA
<input type="checkbox"/> Llama 3.1 70B Instruct Cross-region inference	Available to request	Text	EULA
<input type="checkbox"/> Llama 3.1 8B Instruct Cross-region inference	Available to request	Text	EULA
<input checked="" type="checkbox"/> Llama 3 8B Instruct	Access granted	Text	EULA
<input type="checkbox"/> Llama 3 70B Instruct	Available to request	Text	EULA
<input type="checkbox"/> ▼ Mistral AI (4)	0/4 access granted		
<input type="checkbox"/> Mistral 7B Instruct	Available to request	Text	EULA
<input type="checkbox"/> Mixtral 8x7B Instruct	Available to request	Text	EULA

Search available models and inference

1. Categories

Model providers

- AI21 Labs
- Amazon
- Anthropic
- Cohere
- Meta**
- Mistral AI
- Reuter

2. Models

Models without access [Request access](#)

(9)

- Llama 3 8B Instruct v1**
Text model | Max 8k tokens
- Llama 3 70B Instruct v1**
Text model | Max 8k tokens
- Llama 3.1 8B Instruct v1**
Text model | Max 128k tokens
- Llama 3.1 70B Instruct v1**

3. Inference

On demand

Select model to show inference options.

Amazon Bedrock > Model catalog

Model catalog (169)

Discover Bedrock serverless or Marketplace models that best fit your use case. To get started using a serverless model, request access. For Marketplace models, subscribe and deploy.

Filters

- ☐ Cohere (4)
- ☐ EvolutionaryScale, PBC (0)
- ☐ Gretel (0)
- ☐ HuggingFace (82)
- ☐ IBM Data and AI (0)
- ☐ John Snow Labs (0)
- ☐ Karakuri, Inc. (0)
- ☐ LG CNS (0)
- ☐ Liquidai (0)
- ☒ Meta (7)
- ☐ Mistral AI (4)
- ☐ NCSoft (0)
- ☐ NVIDIA (0)
- ☐ Preferred Networks, Inc. (0)
- ☐ Stability AI (0)

[Show 10 more](#)

Spotlight

Filter for a model

Providers = Meta X Modality = Text X Clear filters

Llama 3.3 70B Instruct
Available to request
Ability to follow instructions and tasks, improved reasoning and understanding of nuances and context, and multilingu...
Serverless

Llama 3.2 1B Instruct
Available to request
Agents, Chat optimized, Code generation, Complex reasoning analysis, Conversation, Document summarizatio...
Serverless

Llama 3.2 3B Instruct
Available to request
Agents, Chat optimized, Code generation, Complex reasoning analysis, Conversation, Document summarizatio...
Serverless

Llama 3.1 70B Instruct
Available to request
Ability to follow instructions and tasks, improved reasoning and understanding of nuances and context, and multilingu...
Serverless

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Amazon Bedrock > Chat / Text playground

Mode: Chat Compare mode

Input: 19 Output: 512 Latency: 5293 ms

Configurations

Llama 3 8B Inst... v1
On-demand

System prompts

Add system prompts

Randomness and diversity

Temperature: 0.5

best places in delhi

Delhi, the capital city of India, is a treasure trove of history, culture, and entertainment. Here are some of the best places to visit in Delhi:

1. Red Fort (Lal Qila): A UNESCO World Heritage Site, the Red Fort is a majestic monument that served as the residence of the Mughal emperors.
2. Qutub Minar: Another UNESCO World Heritage Site, Qutub Minar is the tallest minaret in India and a symbol of the city's rich history.
3. India Gate: A war memorial built to commemorate the soldiers who lost their lives in

Write a prompt. Press Shift + Enter to add a new line. Press Enter to generate a response.

Run

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aws > IAM > Dashboard

IAM Dashboard

Security recommendations

- ☒ Root user has MFA
Having multi-factor authentication (MFA) for the root user improves security for this account.
- ☒ Root user has no active access keys
Using access keys attached to an IAM user instead of the root user improves security.

IAM resources

Resources in this AWS Account

User groups	Users	Roles	Policies	Identity providers
0	1	2	0	0

What's new

Updates for features in IAM

- Introducing resource control policies (RCPs) to centrally restrict access to AWS resources. 3 months ago
- AWS IAM now supports PrivateLink in the AWS GovCloud (US) Regions. 3 months ago

[View all](#)

AWS Account

Account ID: 867344439123

Account Alias: Create

Sign-in URL for IAM users in this account: https://867344439123.signin.aws.amazon.com/console

Quick Links

My security credentials

Manage your access keys, multi-factor authentication (MFA) and other credentials.

Tools

Policy simulator

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aws

Search

[Alt+S]

Global

Shivani Yadav

Identity and Access Management (IAM)

Users

Dashboard

Access management

Access reports

Users (1) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Search

< 1 >

User name

Path

Group

Last activity

MFA

Password age

Console last sign-in

Acc

Shivani

/

0

13 minutes ago

-

-

-

Act

CloudShell

Feedback

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Global

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Identity and Access Management (IAM)

Users

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Shivani Info

Summary

Permissions policies (1)

ARN

Console access

Access key 1

Created

Last console sign-in

Access key 2

arn:aws:iam::867344439123:user/Shivani

Disabled

AKIA4T4OB25JVETGTA7U - Active

February 04, 2025, 14:51 (UTC+05:30)

-

Used today. 23 hours old.

Create access key

Permissions

Groups

Tags

Security credentials

Last Accessed

Permissions policies (1)

Permissions are defined by policies attached to the user directly or through groups.

Search

Filter by Type

All types

< 1 >

Policy name

Type

Attached via

AdministratorAccess

AWS managed - job function

Directly

CloudShell

Feedback

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aws

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Identity and Access Management (IAM)

Users

Shivani

Dashboard

Access management

Access reports

Assign MFA device

Access keys (1)

SSH public keys for AWS CodeCommit (0)

Create access key

AKIA4T4OB25JVETGTA7U

Description

Last used

Last used region

Status

Created

Last used service

16 minutes ago

us-east-1

Active

23 hours ago

bedrock

Actions

Upload SSH public key

SSH Key ID

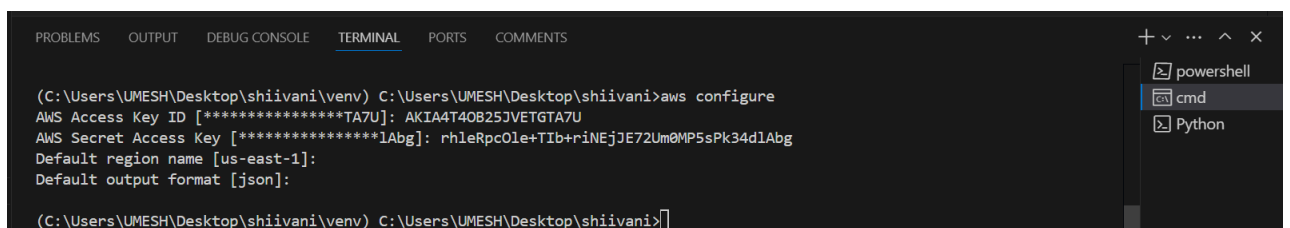
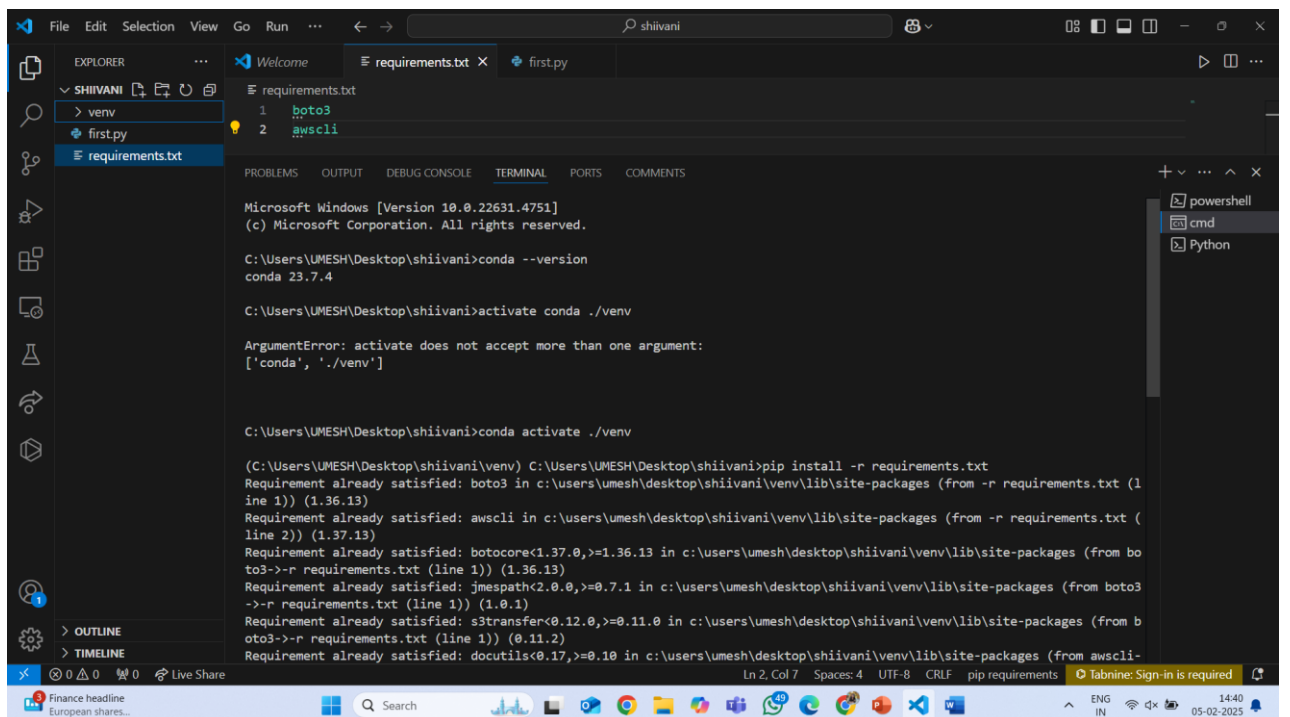
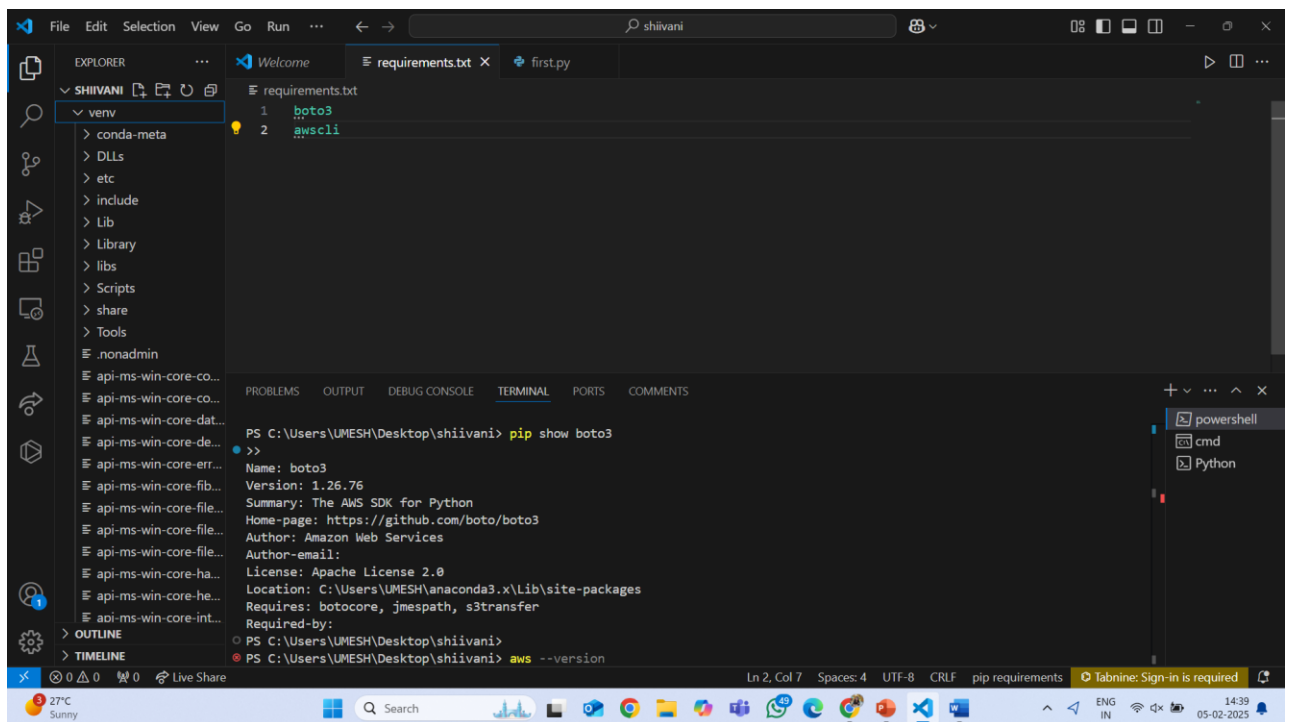
Uploaded

Status

CloudShell

Feedback

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```
1 import boto3
2 import json
3 from botocore.exceptions import ClientError
4
5 client = boto3.client("bedrock-runtime", region_name="us-east-1")
6 model_id = "meta.llama3-8b-instruct-v1:0"
7 prompt = "best places in delhi"
8
9 formatted_prompt = f"""
10 <|begin_f_text|><|start_header_id|>user<|end_header_id|>
11 {prompt}
12 <|eot_id|>
13 <|start_header_id|>assistant<|end_header_id|>
14 """
15 native_request = {
16     "prompt": formatted_prompt,
17     "max_gen_len": 512,
18     "temperature": 0.5,
19 }
20
21 request = json.dumps(native_request)
22 try:
23     response = client.invoke_model(modelId=model_id, body=request)
24 except (ClientError, Exception) as e:
25     print(f"ERROR: Can't invoke '{model_id}'. Reason: {e}")
26     exit(1)
27 model_response = json.loads(response["body"].read())
28 response_text = model_response["generation"]
29 print(response_text)
```

```
PS C:\Users\UMESH\Desktop\shiivani> & c:\Users\UMESH\Desktop\shiivani\venv\python.exe c:/Users/UMESH/Desktop/shiivani/first.py
Delhi, the capital city of India, is a treasure trove of history, culture, and entertainment. Here are some of the best places to visit in Delhi:

**Historical Landmarks:**

1. **Red Fort** (Lal Qila): A majestic Mughal fort built in 1648, now a UNESCO World Heritage Site.
2. **Qutub Minar**: The tallest minaret in India, built in 1192, and a symbol of Islamic architecture.
3. **Humayun's Tomb**: A beautiful example of Mughal architecture, built in 1565.
4. **India Gate**: A war memorial built in 1921, now a popular spot for picnics and evening strolls.
5. **Rashtrapati Bhavan**: The official residence of the President of India, built in 1927.

**Cultural Attractions:**

1. **Akshardham Temple**: A stunning Hindu temple built in 2005, featuring intricate carvings and a beautiful garden.
2. **National Museum**: A treasure trove of Indian art, history, and culture, with a vast collection of artifacts.
3. **Safdarjung's Tomb**: A beautiful example of Mughal architecture, built in 1754.
4. **Dilli Haat**: A popular market for shopping and trying street food from different regions of India.
5. **Chandni Chowk**: A bustling market in Old Delhi, famous for its street food, shops, and temples.

**Shopping and Markets:**

1. **Connaught Place**: A popular shopping and dining destination, with a mix of modern and colonial architecture.
2. **Janpath Market**: A bustling market for shopping and trying street food.
3. **Lajpat Nagar Market**: A popular market for shopping and trying street food.
4. **Hauz Khas Market**: A trendy market for shopping and dining.
5. **Dilli Haat**: A popular market for shopping and trying street food from different regions of India.

**Food and Nightlife:**

1. **Paranthe Wali Gali**: A popular street food destination in Old Delhi, famous for its parathas and other North Indian dishes.
```