

# *Udemy Course on Amazon Bedrock & Generative AI Beginner to Advanced*

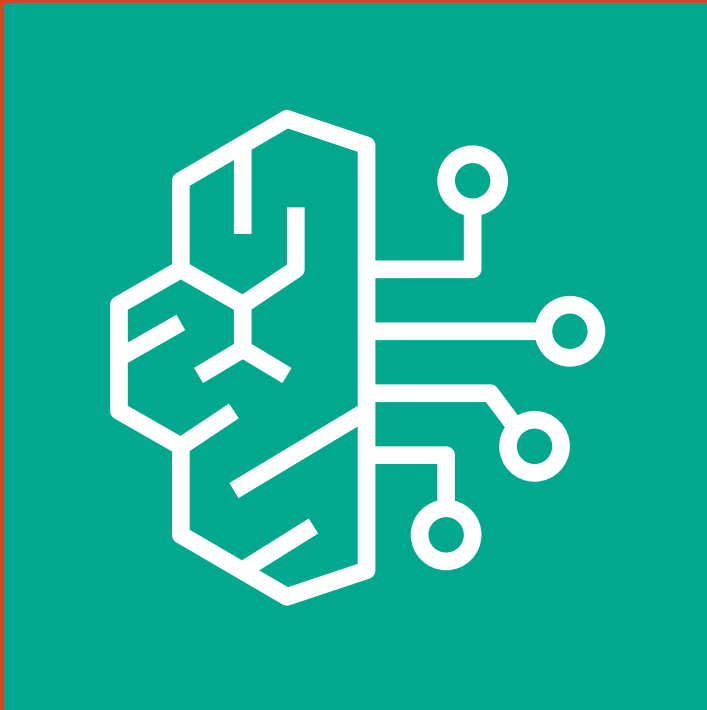


Image Generated using the use case built in this course

# Use Case Implementation Pre-Requisites 1 : Request Access to Models

Base models

Custom models

Providers

Playgrounds

Chat

Text

Image

Deployment

Provisioned Throughput

**Model access**

Settings

User guide

Bedrock Service Terms

## Model access

To use Bedrock, you must request access to Bedrock's FMs. To do so, you will need to have the correct [IAM Permissions](#). For certain models, you may first need to submit use case details before you are able to request access. More information about these models is available on the [Providers](#) page.

Base models (9)

Manage model access

Models	Access status	Modality	EULA
<div>AI21 Labs</div> <div>Jurassic-2 Ultra</div>	<div>Access granted</div>	Text	<a href="#">EULA</a>
<div>Jurassic-2 Mid</div>	<div>Access granted</div>	Text	<a href="#">EULA</a>
<div>Amazon</div> <div>Titan Embeddings G1 - Text</div>	<div>Access granted</div>	Embedding	<a href="#">EULA</a>
<div>Titan Text G1 - Lite</div>	<div>Unavailable</div>	Text	<a href="#">EULA</a>

Anthropic

Use case details submitted

Claude

Access granted

Text

[EULA](#)

Claude Instant

Access granted

Text

[EULA](#)

Cohere

Command

Access granted

Text

[EULA](#)

Stability AI

Stable Diffusion XL

Access granted

Image

[EULA](#)

Cancel

Save changes

# Use Case Implementation Pre-Requisites 2 : Upgrade boto3 version

1. Create a AWS Lambda Function – bedrock-boto3Upgrade and add import boto3
2. Check the boto3 version. Should be > 1.28.63
3. Use following command to check version - `print(boto3.__version__)`
4. Upgrade the boto3 version for AWS Lambda Function using Lambda Layer -  
<https://repost.aws/knowledge-center/lambda-python-runtime-errors>
  - Add Layer Version ARN
  - Check the boto3 version. Should be > 1.28.63
5. Code for Bedrock invocation from AWS Lambda Function
  - Link - <https://boto3.amazonaws.com/v1/documentation/api/latest/reference/services/bedrock-runtime.html>

# Manually create a Lambda layer that uses the latest Boto3 version

## 1. Create a lib folder:

```
LIB_DIR=boto3-udemy03/python
```

```
mkdir -p $LIB_DIR
```

## 2. Install the library to LIB\_DIR:

```
pip3 install boto3 -t $LIB_DIR
```

## 3. Zip all the dependencies to /tmp/boto3-mylayer.zip:

```
cd boto3-udemy03
```

```
zip -r /tmp/boto3-udemy03.zip .
```

## 4. Publish the layer:

```
aws lambda publish-layer-version --layer-name boto3-udemy03 --zip-file file:///tmp/boto3-udemy03.zip
```