CHAT BOT



© Moriel Mauni

AMAZON LEX
AMAZON BEDROCK

AMAZON S3



AMAZON BEDROCK

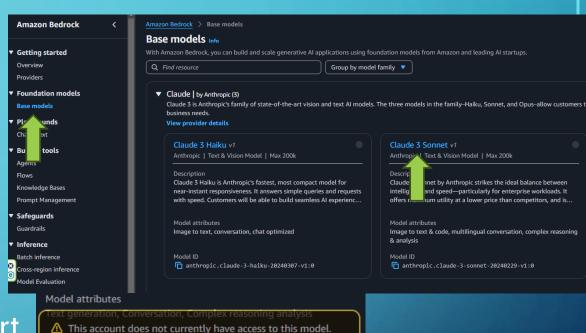
- First, we need to enable Amazon Bedrock
- Under <u>Foundation models</u> > <u>Base models</u>
- Pick <u>Claude 3 Sonnet</u>
- When we will try to copy, we will get an alert
- Click Model access
- Pick Enable specific models
- The 2 models we need

Models

Claude

Titan Embeddings G1 - Text

Wait few minutes to approval



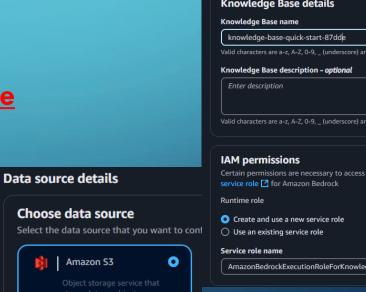
Request access in Model access.

INSERT INFO FILES INTO S3 BUCKET

- Create a <u>\$3 Bucket</u>
- Defaults build, nothing special
- Upload your files of information

CREATE A KNOWLEDGE BASE

- Return to <u>Amazon Bedrock</u> and pick
- Click Create
- Name it if you want
- Create and use a new service role
- Data source- Amazon 53
- Next



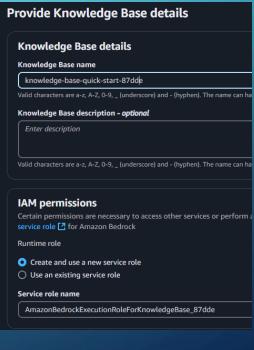
Builder tools

Knowledge Bases

Prompt Management

Agents

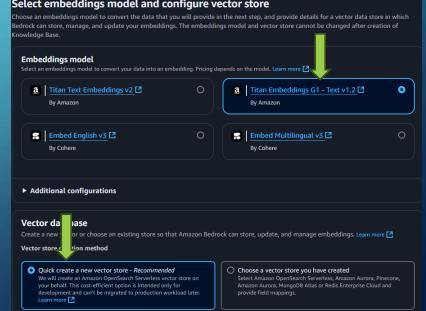
Flows



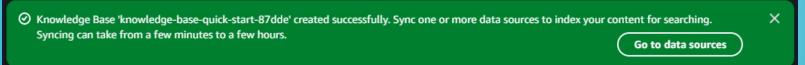
- Pick the **S3 Bucket** with the files
- Everything else is default
- Next

- Pick <u>Titan Embeddings G1</u>
- And Quick Create a new vector store
- Next
- Review the configuration &
- Create knowledge base





After we wait few minutes, the Data source will be created



- The message above will show up and we will Go to data sources
- It will take you down the page

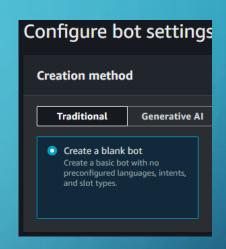


Pick the data source and click <u>Sync</u>



AMAZON LEX

- Go into Amazon Lex and create a bot
- We going to pick the Traditional bot so we can do some work
- Create a blank bot
- Name it
- Create a role with basic Amazon Lex permissions
- COPPA- No
- Idle session timeout- default 5 min
- Pick a language to the bot and a voice







• After we click Done, we are in the intent mode for the Chat Bot

ive phrases that you expect a user to speak or type to invoke this intent. Amazon Lex extrapolates based on the sampli

utterances to interpret any user input that may vary from the samples. The priority order of the sample utterances is not used to de

Name the first intent as a welcome intent

Enter some sample utterances- conversation starts from

Sample utterances (6) Info

the user side



Click on Advance option and change the set value

from End conversation to Wait for users input

© Moriel Mauni



Wait for users input

End conversation

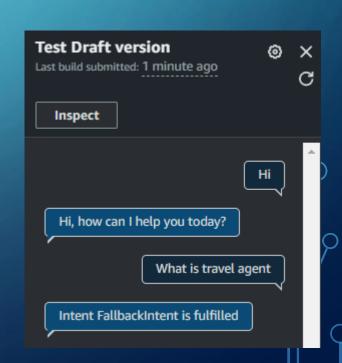
Wait for users input



• Go to

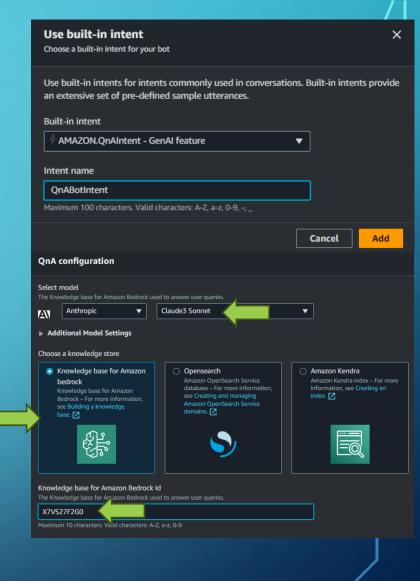


- And Click
- Then Test
- We can see the bot is working with the intent we gave him
- Also, he won't recoinage intent we don't gave him
- Let's add a build in intent



- Add intent > Use built-in intent
- Give it a name
- Add

- Pick the model
- Pick Knowledge base for Amazon Bedrock
- Add the id for knowledge base
- Everything else can be default
- Save intent



SHOWCASE

• Keep in mind, bot still don't have all the answers

Hi, how can I help you today?

What items can I expense?

According to the company travel policies for Mars missions, oxygen tanks are reimbursable expenses, but optional lavaproof boots are not.

Can I bring my pets?

No, you cannot bring pet dinosaurs like velociraptors to Mars. Martian sandworms hate competition from other creatures. However, the passage does not mention restrictions on bringing other types of pets. What are the visa requirment

To obtain a Martian Visitor's Visa (MVV), you need: 1. A valid Earth passport with an expiry date extending beyond your return to Earth, 2, Proof of galactic citizenship, such as a signed declaration that you hail from Earth or a certified terrestrial colony, 3. Pass a Martian language proficiency test for basic phrases. 4. Alien abduction insurance for peace of mind, though Martian abductions are rare. Pro Tip: Expedite visa processing by bribing the Martian consulate with Earth chocolate, as they are suckers for cocoa.

What is the day plan?

Here is a suggested sample itinerary for a day on Mars: 7:00 AM: Watch the double sunrise over Olympus Mons 8:30 AM: Breakfast with dehydrated space oats and Martian soil 10:00 AM: Guided tour of the Valles Marineris Canyon 12:00 PM: Lunch break (pack extra oxygen as Mars cafes may forget breathable air zones) 2:00 PM: Crater hopping and taking selfies at the famous Face on Mars 6:00 PM: Zerogravity dance party at the Martian Base Lodge (wear antigravity boots)