



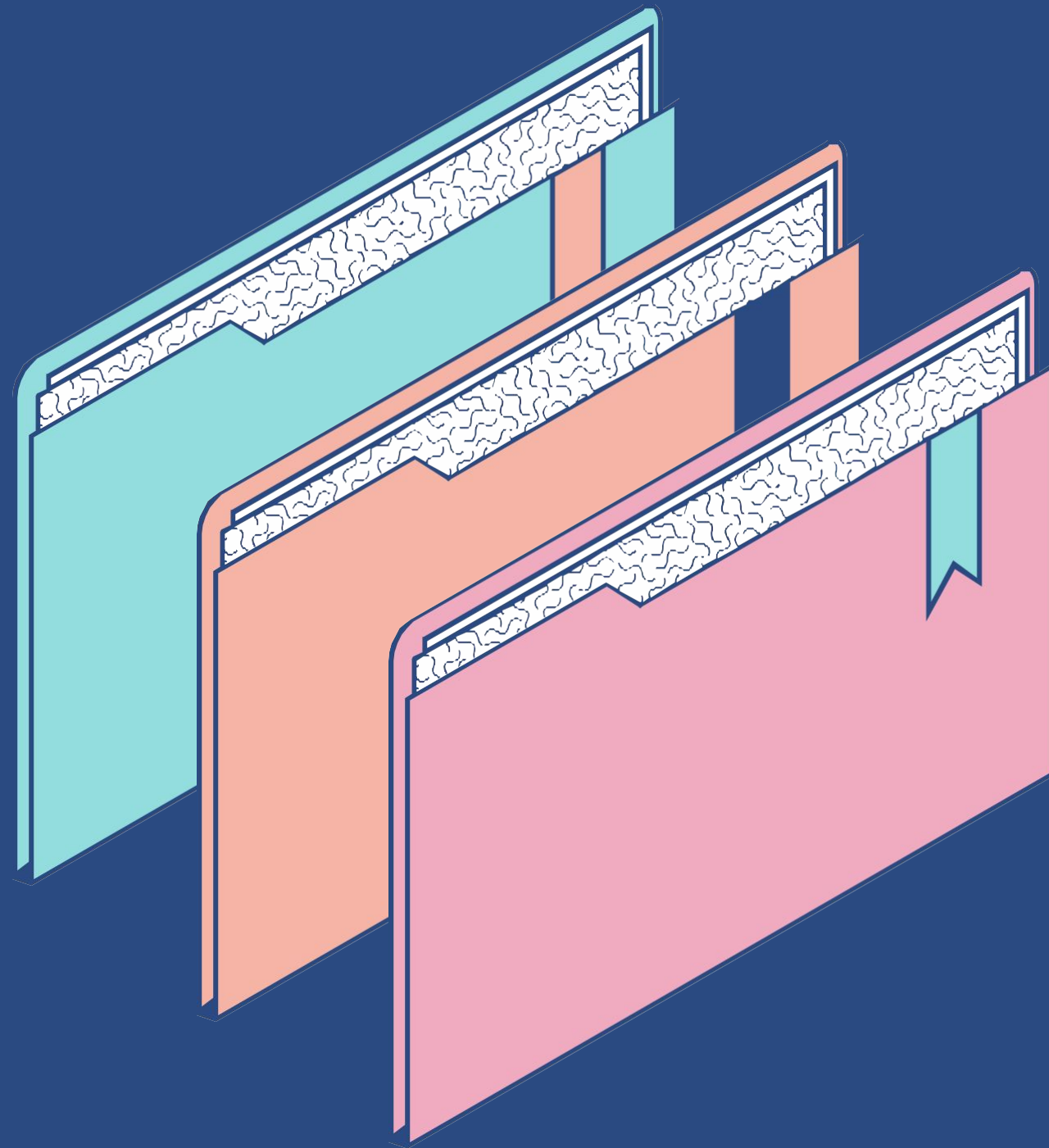
CONTINUOUS ASSESSMENT -
4

Weather Chat Bot

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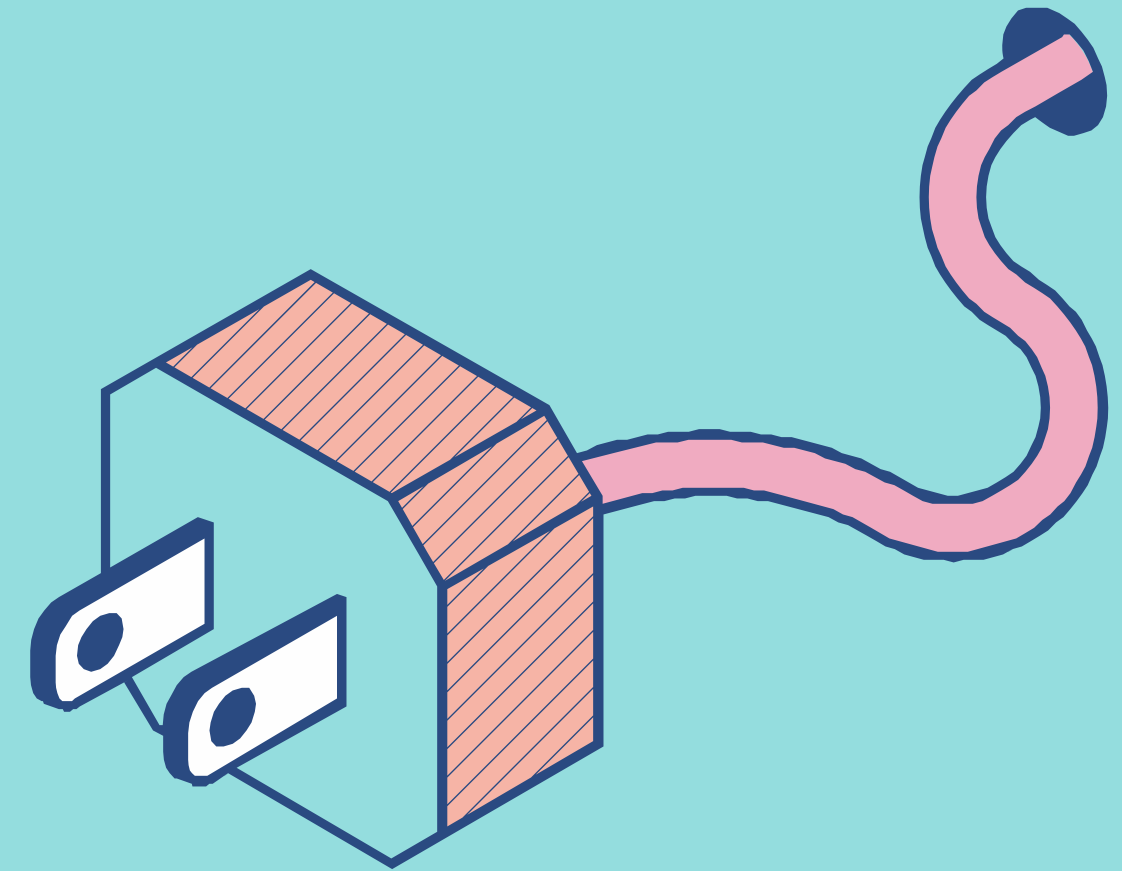


Objective

This project aims to create an AI-Based Chatbot using Amazon Lex that lets you have a conversation with the chatbot about the weather details of a particular city and deploy it on Facebook

What is a Chatbot?

A chatbot is a computer program that conducts a conversation in natural language via text or speech. It understands the intent of the user and sends responses based on some rules and data of organisation.





AWS SERVICES



Amazon
Lex

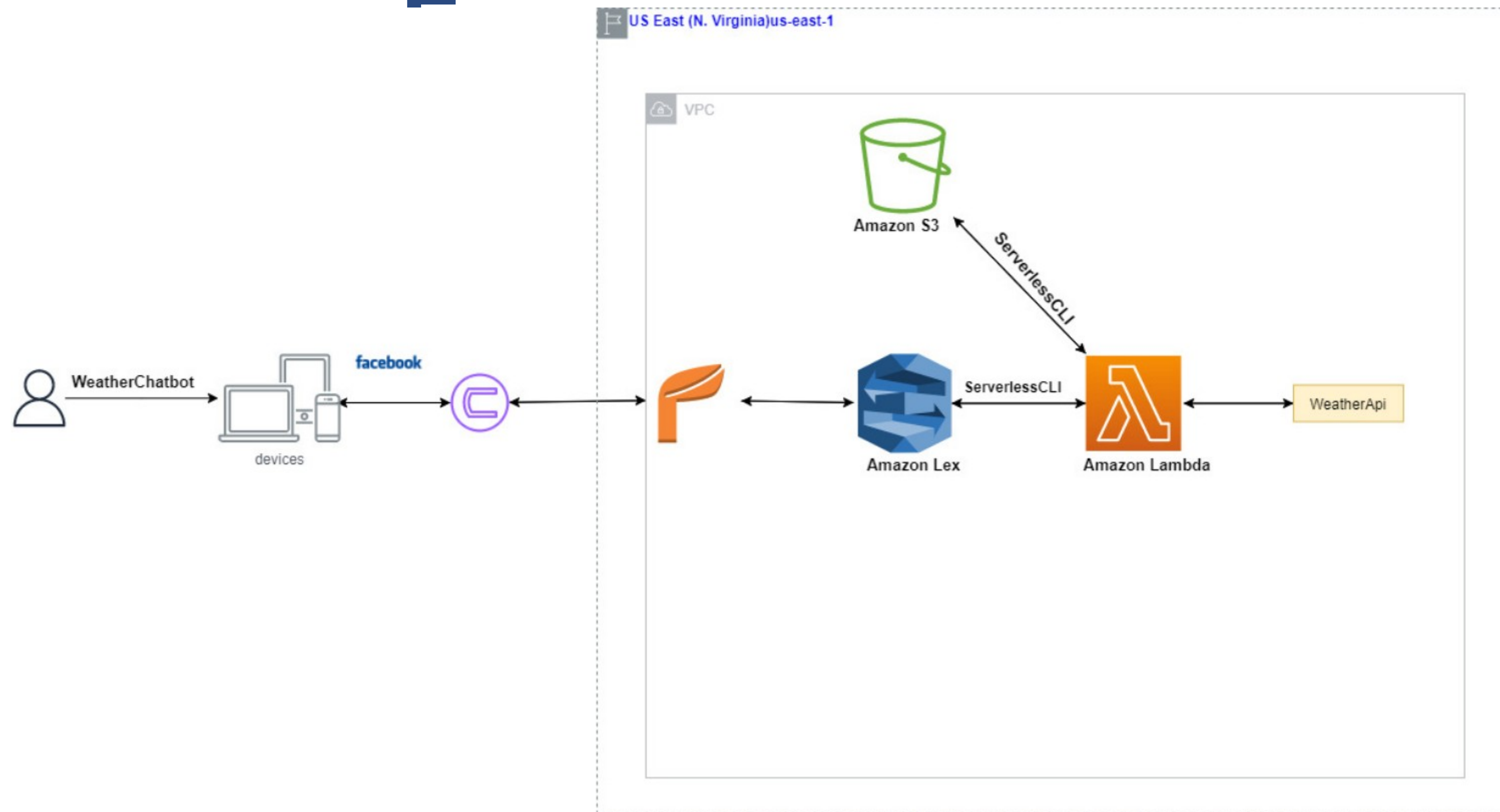


Amazon lambda



S3
bucket

ARCHITECTURE



SCREENSHOT

S

Create your bot

Amazon Lex enables any developer to build conversational chatbots quickly and easily. With Amazon Lex, no deep learning expertise is necessary—you just specify the basic conversational flow directly from the console, and then Amazon Lex manages the dialogue and dynamically adjusts the response. To get started, you can choose one of the sample bots provided below or build a new custom bot from scratch.

CREATE YOUR OWN

TRY A SAMPLE

Custom bot

BookTrip

OrderFlowers

ScheduleAppointment

Bot name

Language

Output voice

Session timeout

Sentiment analysis ☐ Yes ☒ No

IAM role [AWSServiceRoleForLexBots](#)
Automatically created on your behalf

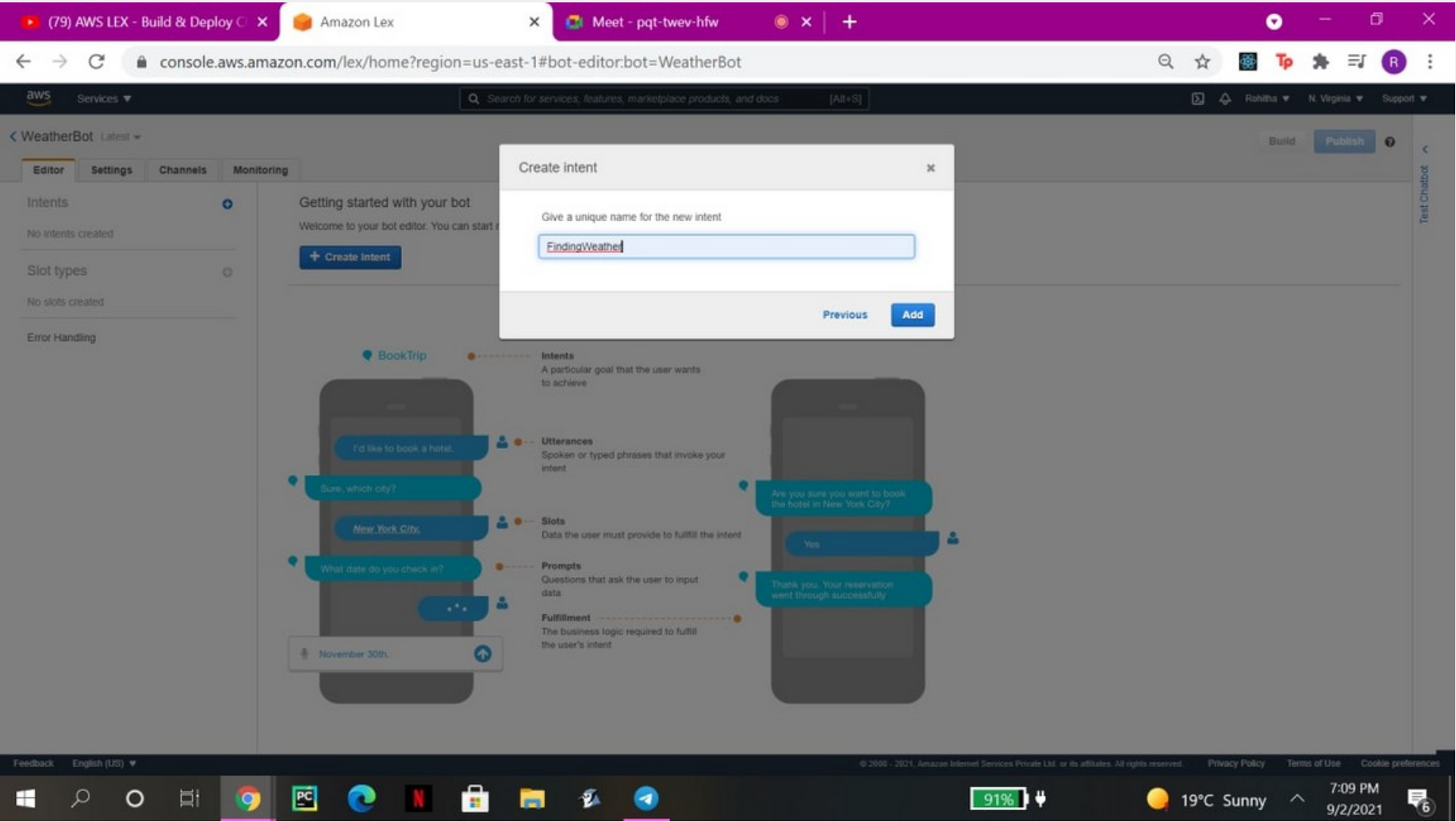
COPPA Please indicate if your use of this bot is subject to the [Children's Online Privacy Protection Act \(COPPA\)](#). [Learn more](#)
☐ Yes ☒ No

Advanced options Enable accuracy improvements and ML features. [Learn more](#)
☒ Yes ☐ No

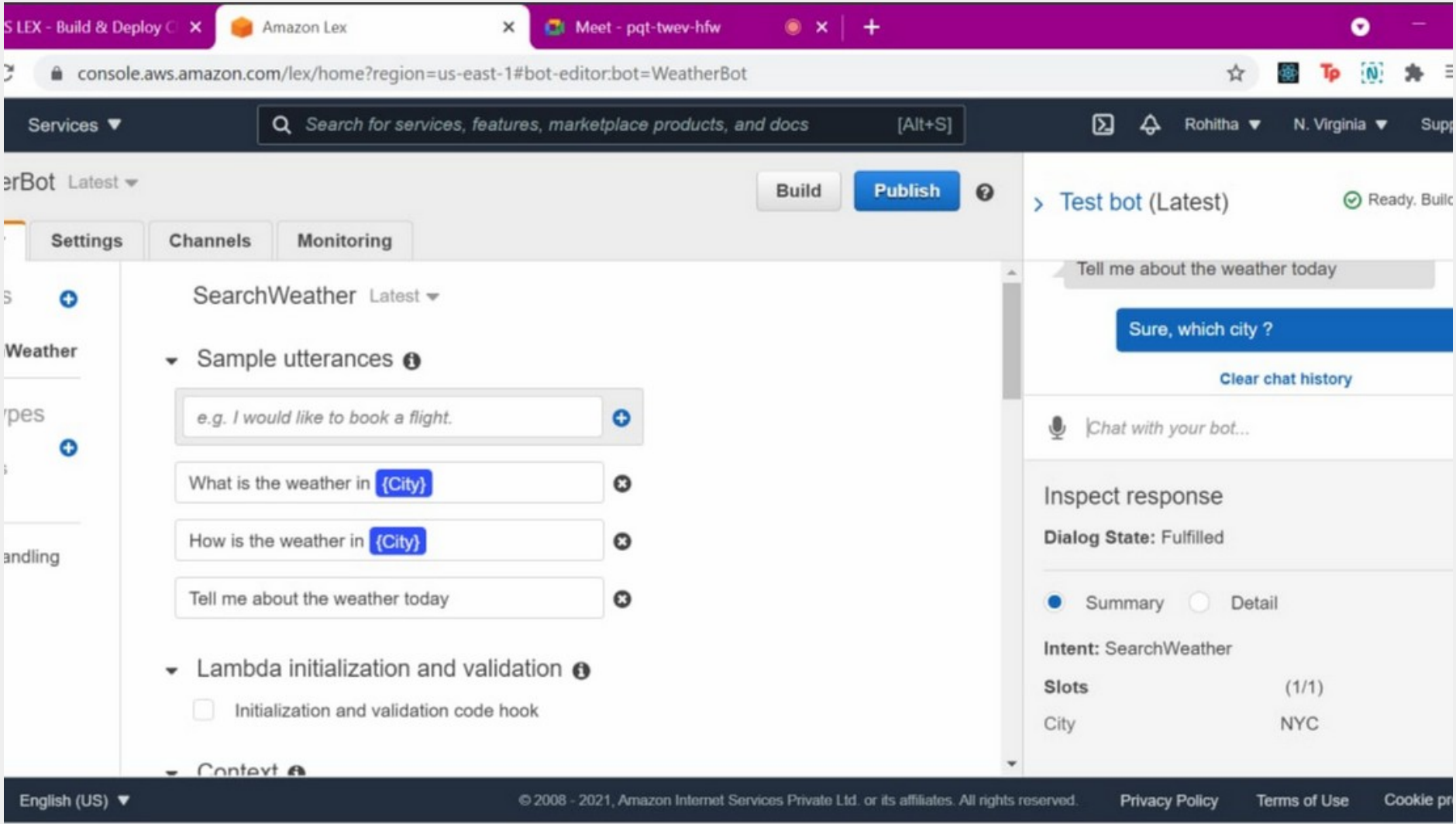
Confidence score threshold

► Tags

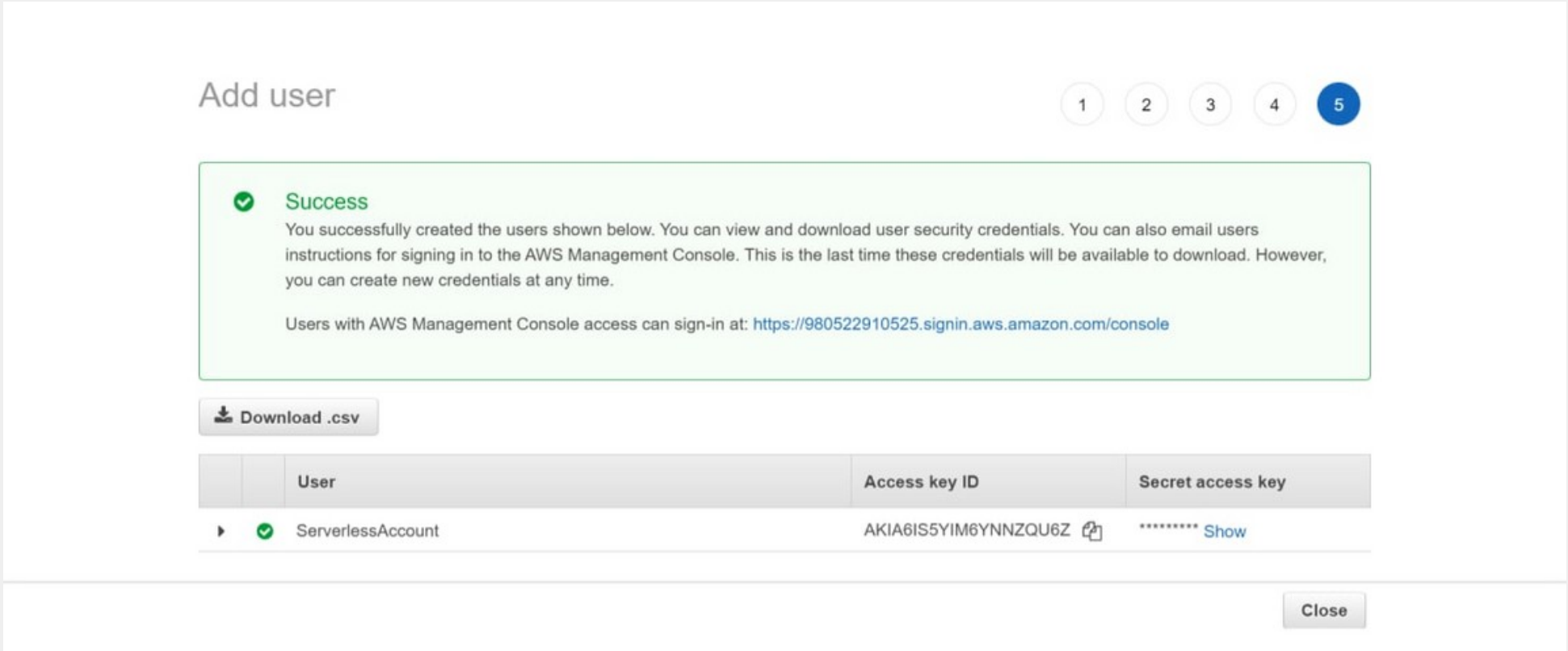
Creating bot



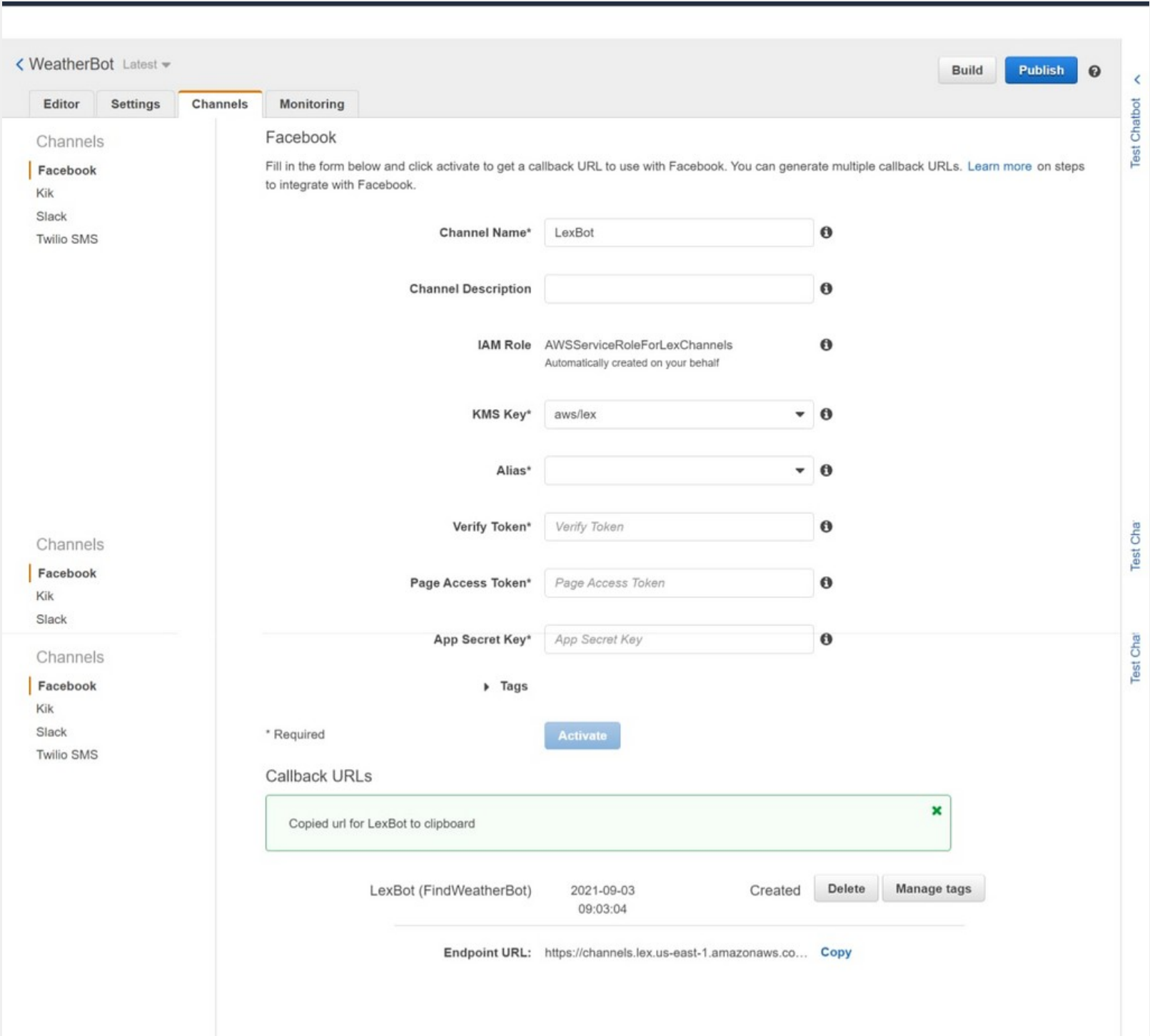
Creating intent



creating and testing the Bot

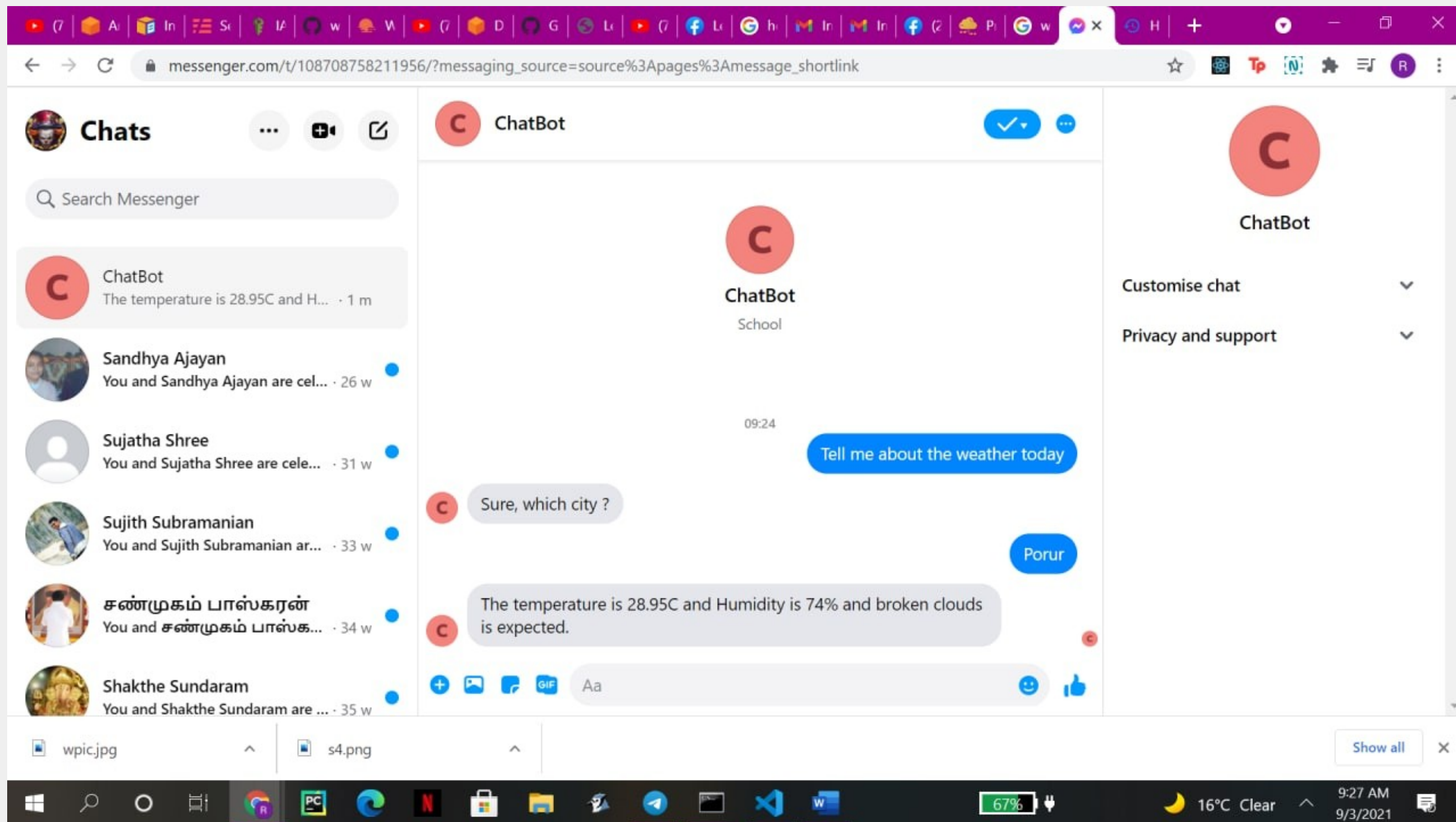


Integrating with server CLI



Deploying in facebook

Output



References

- **AWS LEX - Build & Deploy Chatbots (A Crash Course)**
<https://www.youtube.com/watch?v=82WduX8A99g&t=241s>
- **Deploying an AWS Lex Bot on Facebook in less than 8 minutes | Free AWS Chatbot on Facebook**
<https://www.youtube.com/watch?v=RLNY77POOAK>
- **What Is Amazon Lex? - Amazon Lex**
<https://docs.aws.amazon.com/lex/latest/dg/what-is.html>
- **AWS Documentation**
<https://docs.aws.amazon.com/>

THANK YOU