# Project Title: Chatbot Deployment using IBM Cloud Watson Assistant

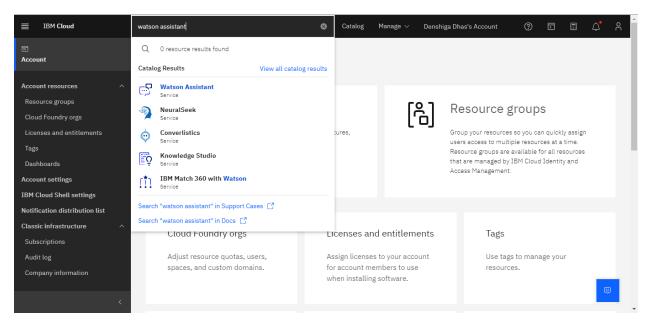
## Phase 3: Development Part 1

The steps to start building the ChatMATE chatbot using IBM Watson Assistant are as follows:

#### Step 1: Create an IBM Cloud account

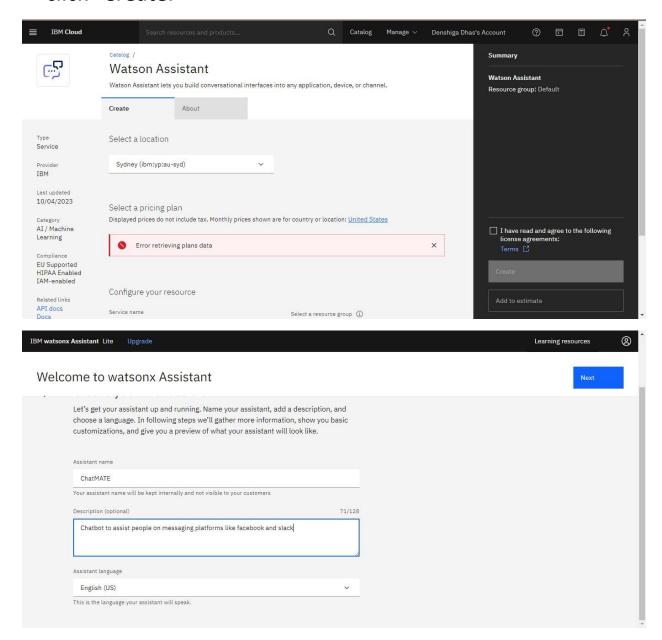
- If we already have an account sign in to it
- Else follow the prompts to create one.

#### **Step 2: Create a Watson Assistant Service Instance.**



- From the IBM Cloud dashboard, click on "Create Resource."
- In the catalog, search for "Watson Assistant" and select the service.
- Choose the appropriate plan based on the requirements

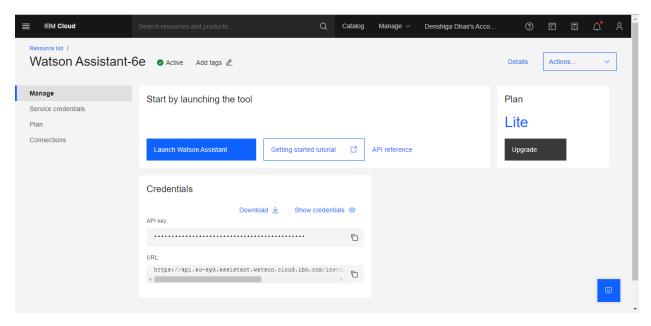
 Enter a service name, or keep the generated name, and click "Create."



**Step 3: Configure Your Watson Assistant Service** 

1. Once the service instance is created, open it from the IBM Cloud dashboard.

2. Inside the Watson Assistant service, click on the "Launch Watson Assistant" button to go to the Watson Assistant tool.



**Step 4: Create Intents, Entities, and Dialog Nodes** 

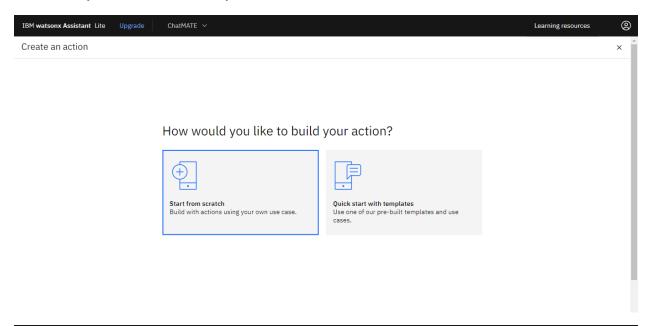
#### 1. Create Intents:

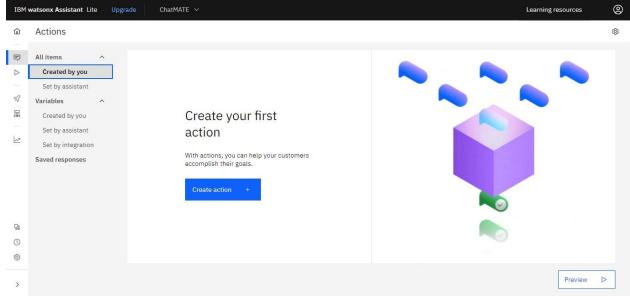
- Click on "Create Intent" and define intents such as "greet",
  "Information Seeker," "FAQ Navigation," etc.
- For each intent, add examples of user queries related to that intent (e.g., "Tell me about your company's history" for Information Seeker).

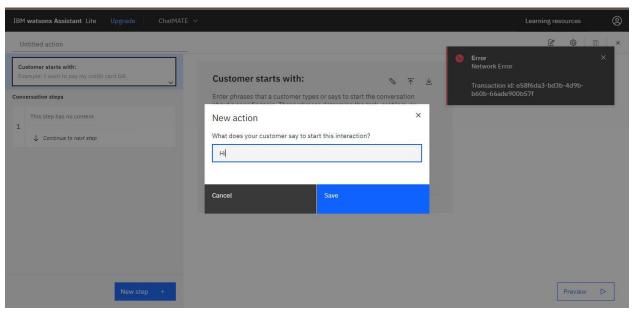
#### 2. Define Entities:

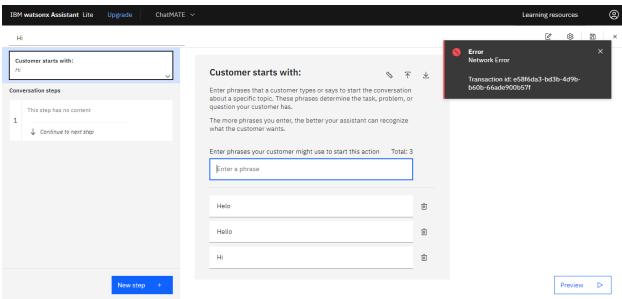
- Click on "Create Entity" and define entities like "Product,"
  "Contact Details," etc.
- For each entity, add synonyms and patterns to improve recognition accuracy (e.g., "phone number" as a synonym for "contact details").

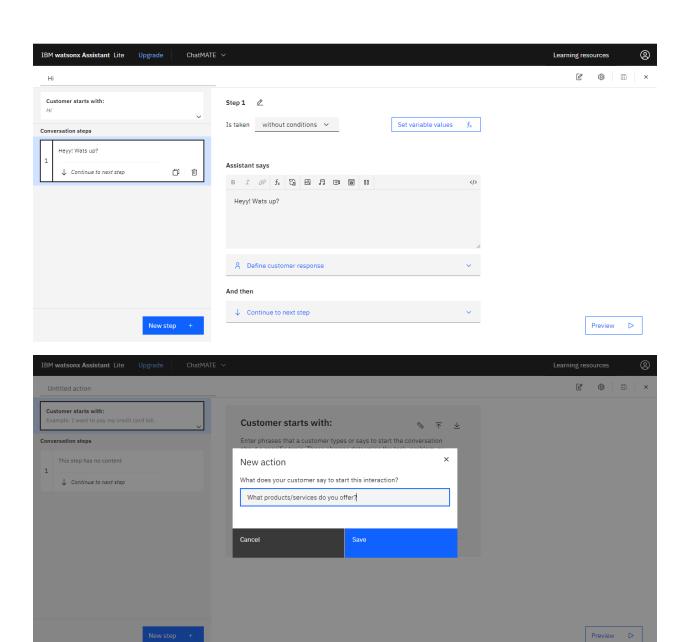
- 3.Create Dialog Nodes:
- Click on "Create Dialog" and create dialog nodes for each intent and scenario (greeting, Information Seeker, etc.).
- Configure responses, conditions, and context variables within each dialog node.
- Implement fallback responses for handling unclear or unexpected user inputs.

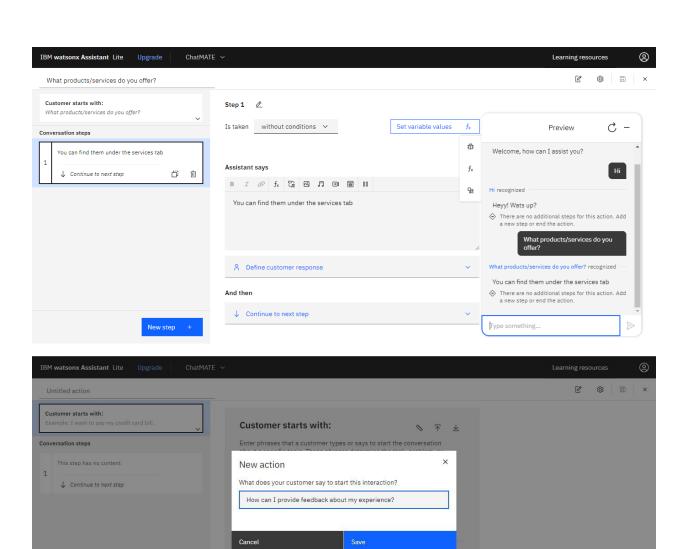




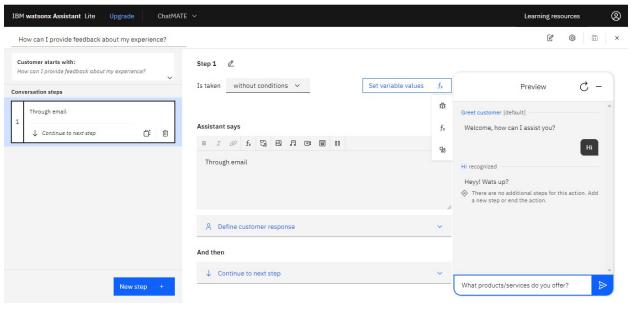


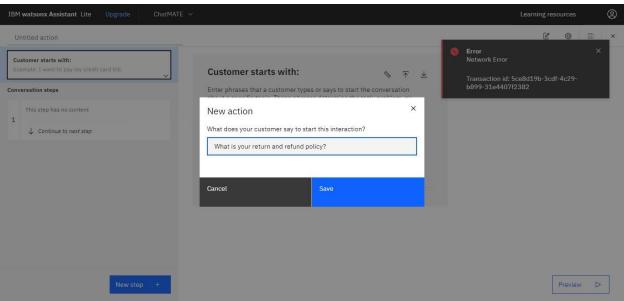


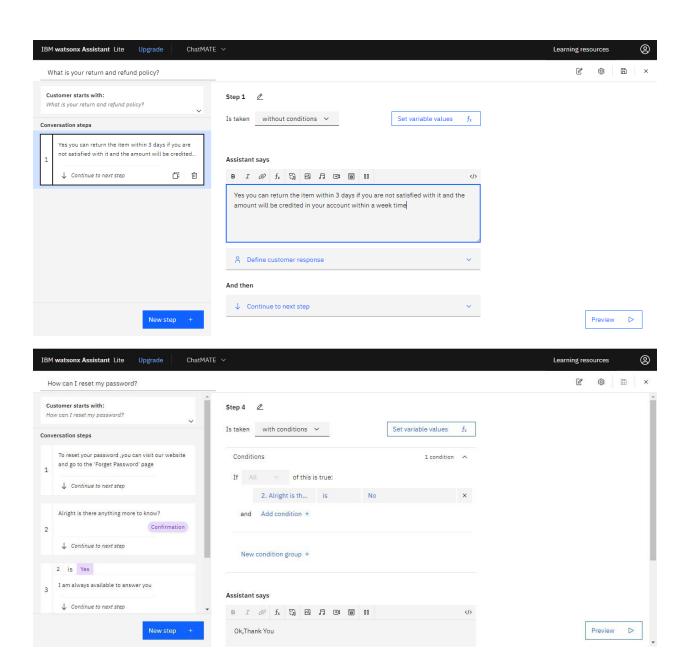


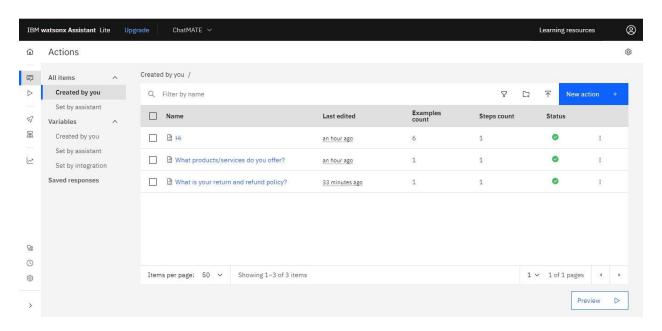


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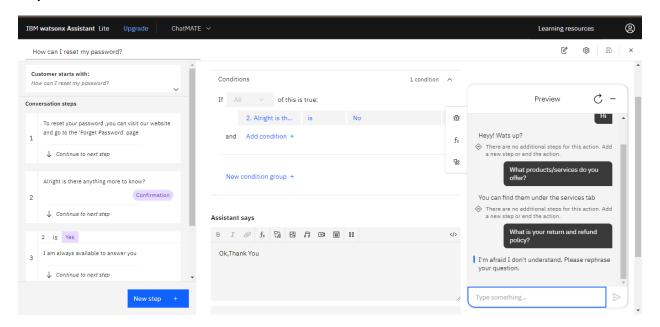






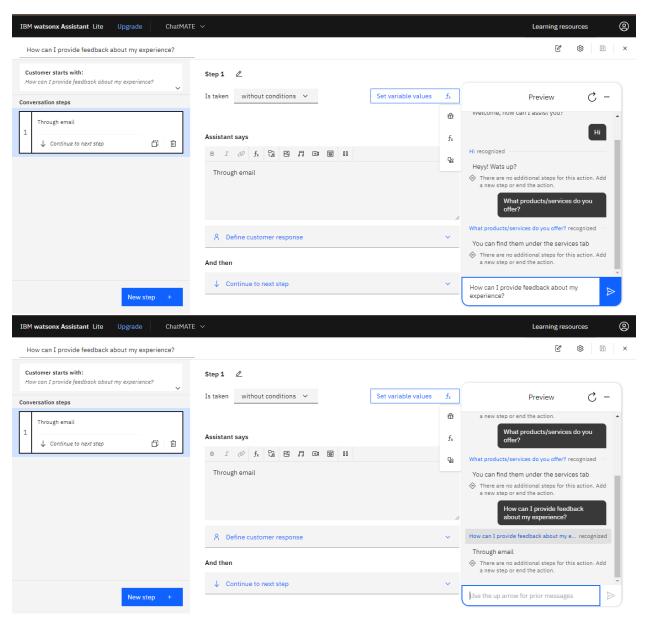
**Step 5: Implement Fallback Responses** 

- 1. In the dialog, create a node for fallback responses we can name it as 'anything else'
- 2. Configure this node to trigger when the assistant recognizes a #anything\_else intent or when it doesn't recognize the user's input.



### Step 6: Test Your Chatbot

- 1. Click on the "Try it" button in the Watson Assistant tool.
- 2. Interact with your chatbot using the provided user examples and test various scenarios.
- 3. Ensure that the chatbot responds appropriately to different intents and user inputs.



By these steps, we can start building the chatbot "ChatMATE" using IBM Cloud Watson Assistant.