

Chatbot Deployment with IBM Cloud Watson Assistant

Phase 3: Development Part 1

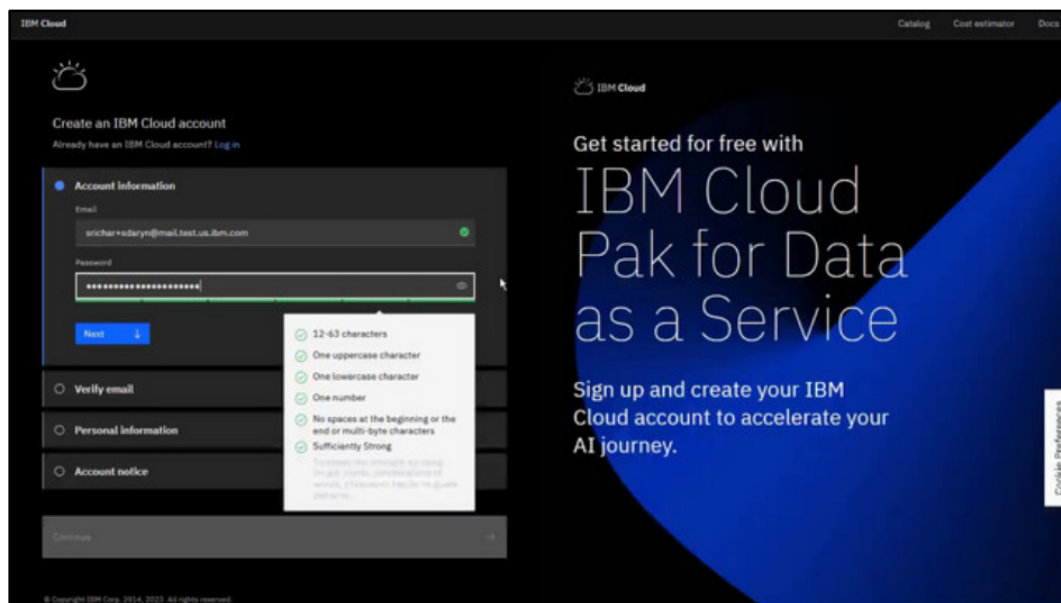
In this part you will begin building your project.

Start building the chatbot using IBM Cloud Watson Assistant.

Define the chatbot's persona and design the conversation flow.

Configure intents, entities, and dialog nodes in Watson Assistant to handle user queries.

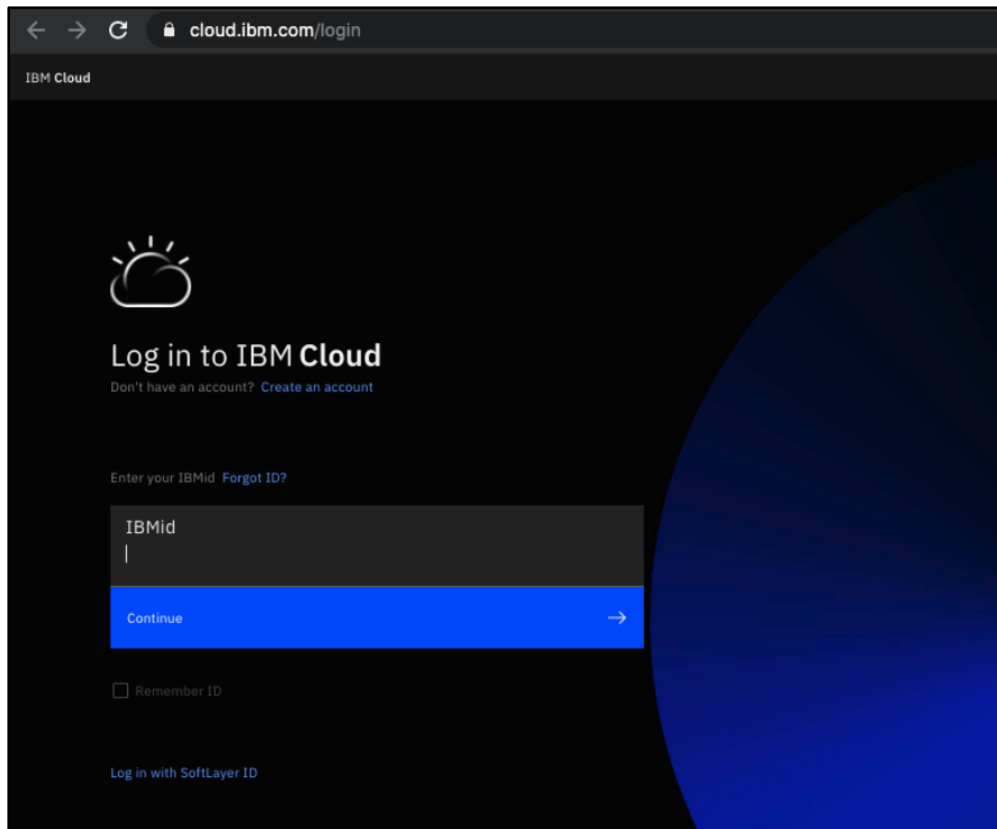
Step 1. Create an IBM Cloud Account:



The screenshot shows the IBM Cloud account creation interface. On the left, there's a form titled "Create an IBM Cloud account" with a link "Already have an IBM Cloud account? Log in". The form has three sections: "Account Information", "Verify email", and "Personal information". The "Account Information" section is active, showing fields for "Email" (sricharadaryn@mail.test.us.ibm.com) and "Password". A "Next" button is below the password field. A tooltip is visible over the password field, listing requirements: 12-63 characters, one uppercase character, one lowercase character, one number, no spaces at the beginning or the end or multi-byte characters, and sufficiently strong. To the right of the form, there's a large blue banner with the text "Get started for free with IBM Cloud Pak for Data as a Service" and "Sign up and create your IBM Cloud account to accelerate your AI journey." At the bottom left, there's a "Continue" button. The footer at the bottom left says "© Copyright IBM Corp. 2014, 2021. All rights reserved."



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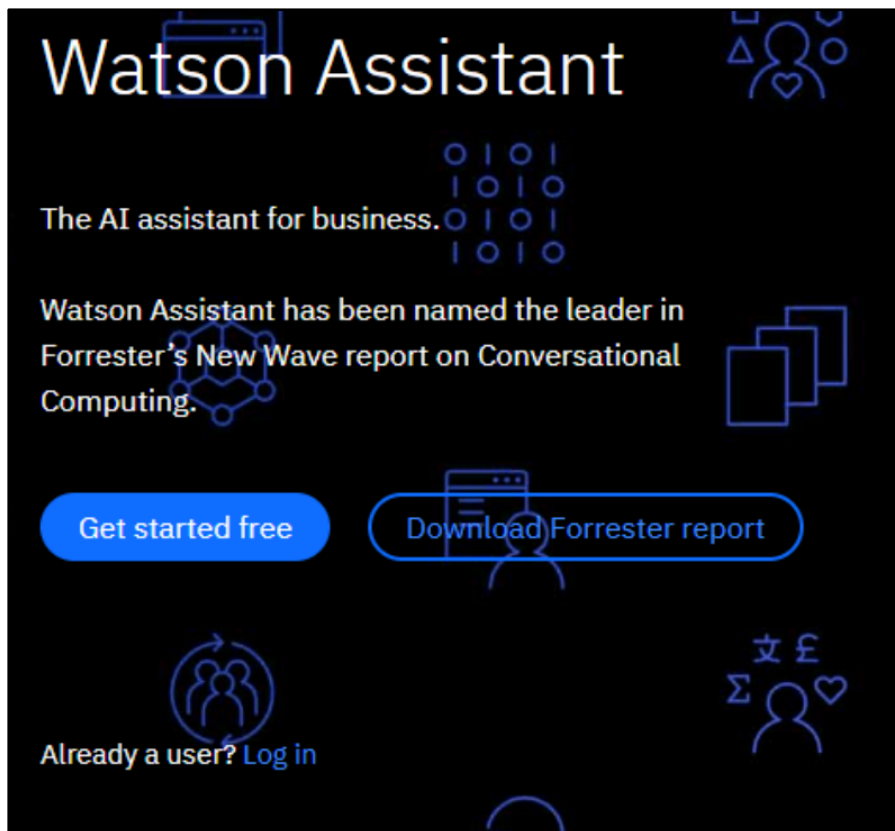


-Visited the IBM Cloud website and created an account.

Step 2. Set Up Watson Assistant Service:



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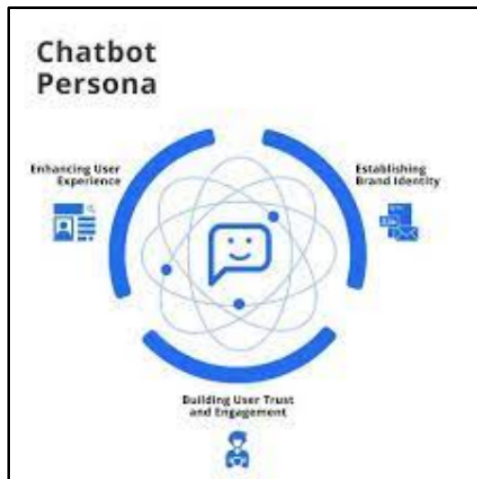


- Log in to my IBM Cloud account.
- From the IBM Cloud dashboard, click "Create Resource."
- Search for "Watson Assistant" and select the service from the catalog.
- Choose a plan and create the service.

Step 3. Define Chatbot's Persona:



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- Before designing the conversation flow, define my chatbot's persona. Determine the tone, style, and character of the chatbot.

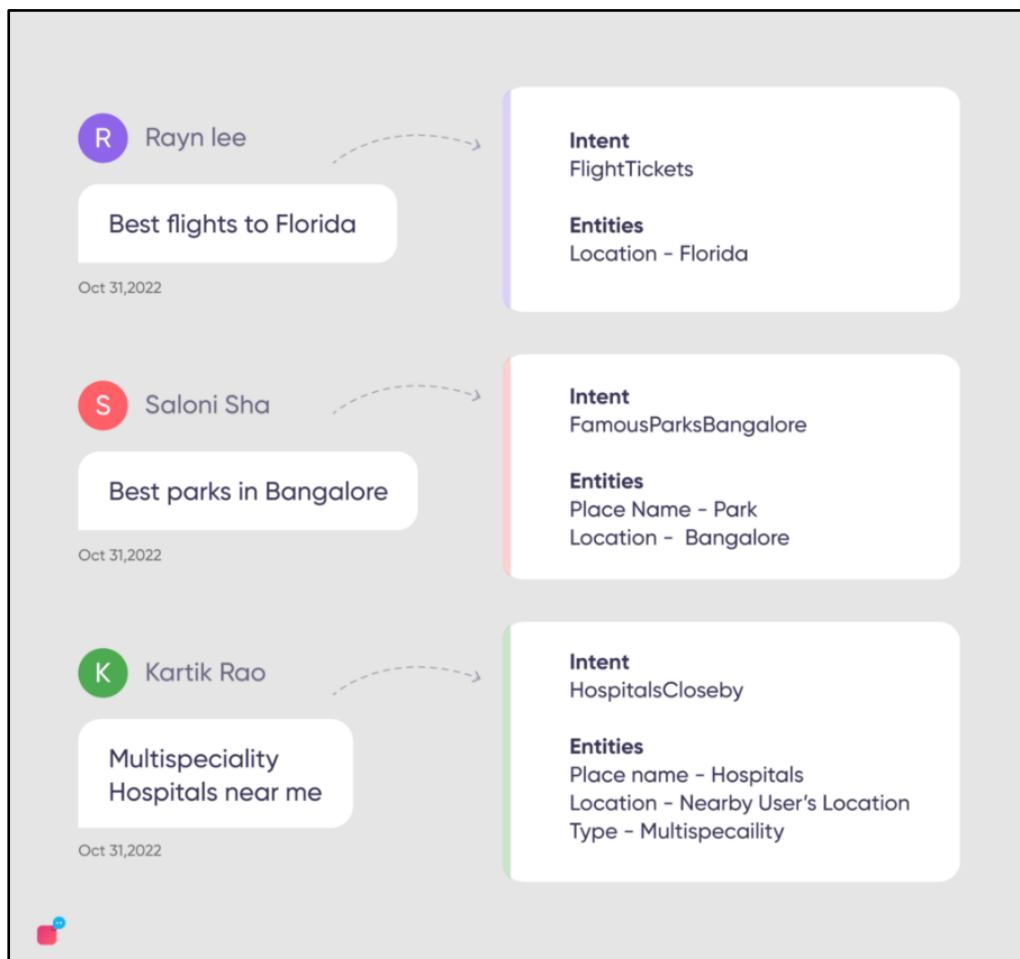
Step 4. Design Conversation Flow:



- Create a flowchart or outline of the expected conversation between the chatbot and users. Consider various user queries and map out how the chatbot should respond.

Step 5. Configure Intents and Entities:





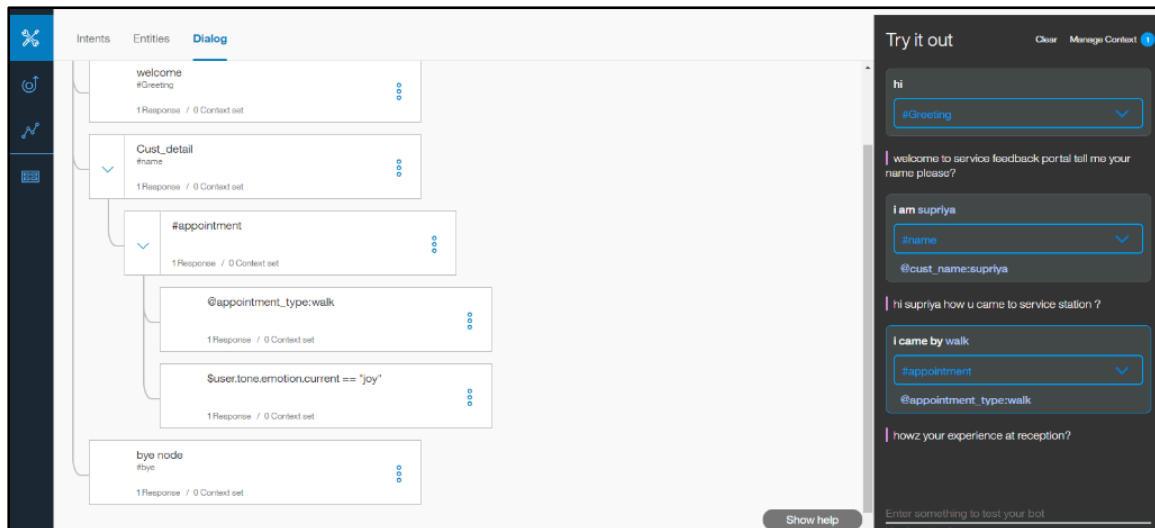
- **Intents:** Define the different purposes or goals of user queries. For example, "book a flight" or "check weather."

- **Entities:** Identify specific pieces of information within user queries. For "book a flight," entities might include "destination," "departure date," and "number of passengers."

Step 6. Create Dialog Nodes:

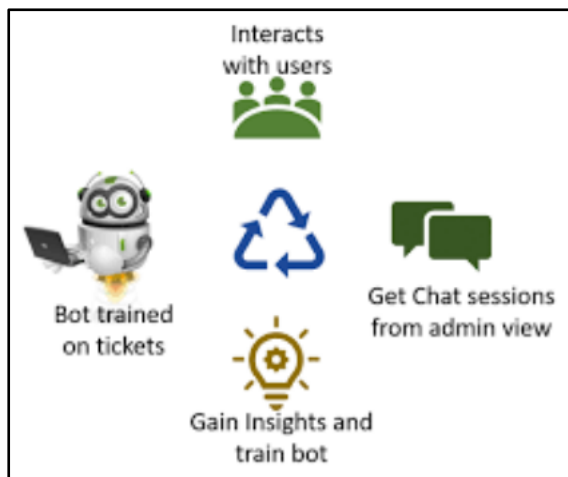


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- Dialog nodes are where I define how the chatbot responds to user input based on intents and entities.
- For each intent, create dialog nodes that specify responses or actions the chatbot should take.
- I can use conditions, context variables, and slots to handle more complex interactions.

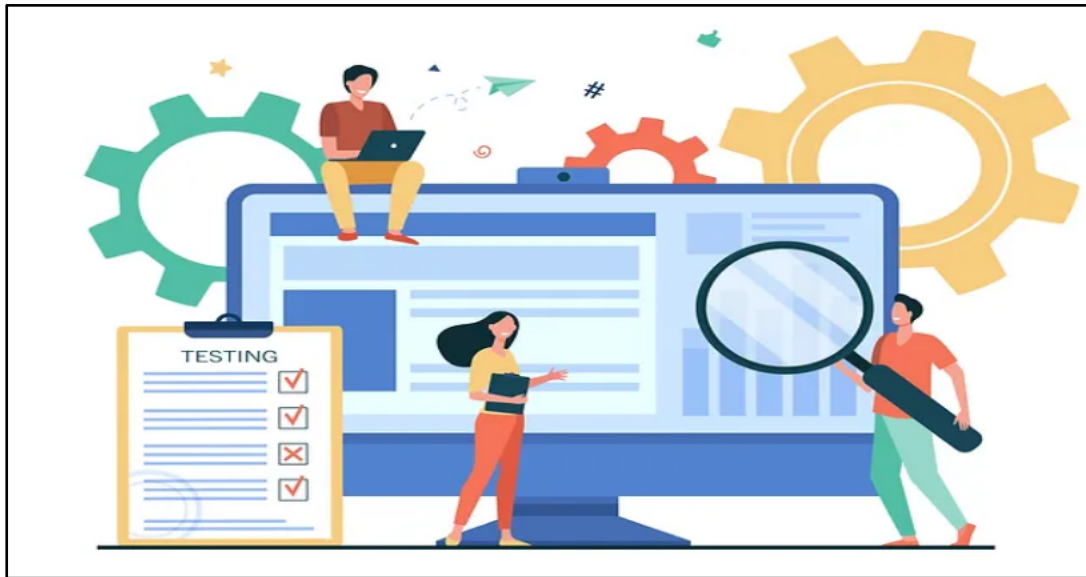
Step 7. Training the Chatbot:



- Train the chatbot by providing examples of user queries for each intent. This helps Watson Assistant understand and classify user input correctly.

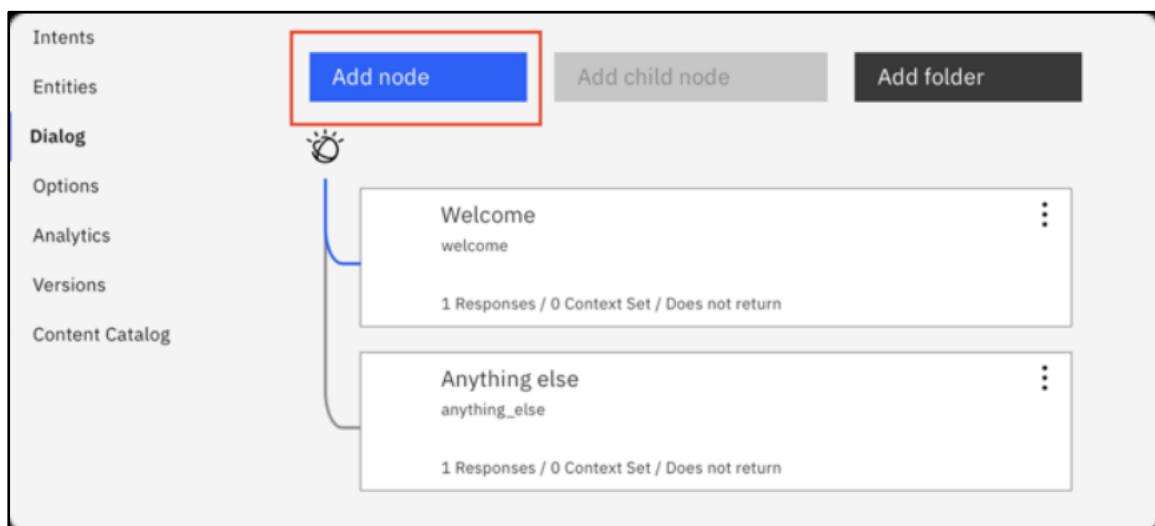


Step 8. Testing and Refinement:



- Test my chatbot by interacting with it using various user queries.
- Refine the dialog nodes, intents, and entities as needed to improve the chatbot's accuracy and user experience.

Step 9. Integrate with Your Platform:



- Once my chatbot is configured and tested, integrate it into my website, app, or preferred platform using the provided API or SDK.

Step 10. Monitor and Analyze:



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- Continuously monitor the chatbot's performance and user interactions.
- Use analytics to gain insights into how users are interacting with the chatbot and make improvements accordingly.

