Building Chatbots with Watson Assistant (Workshop)

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Chatbot GIT 2019

What is a chatbot?

- Chatbots = bot + conversation
- Also known as chatterbots, virtual assistant, talkbot, andConversational Agent
- A software agent able to have a conversation, interacting with the user by voice, text, images, and more



What are chatbots for?

- Quickly answering the most common questions and requests for information
- Provide immediate response
- 24/7 Availability
- Reduces time and human errors

Let's create a chatbot!

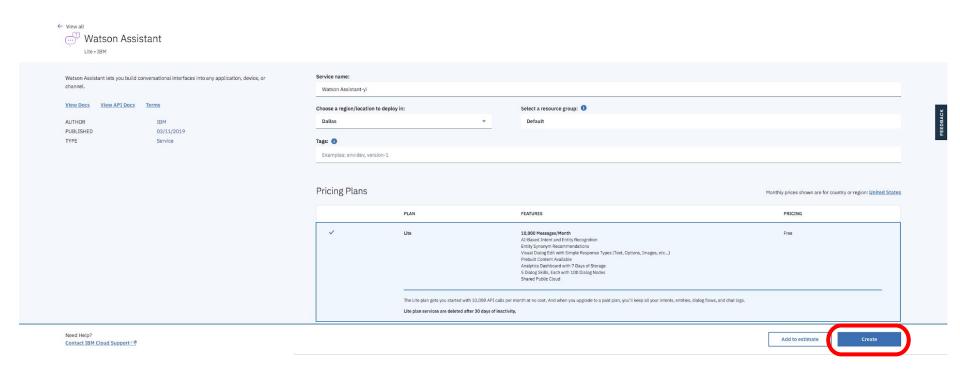
#1: Log into IBM Cloud.

#2: Click on the Create resource button on your

dashboard.

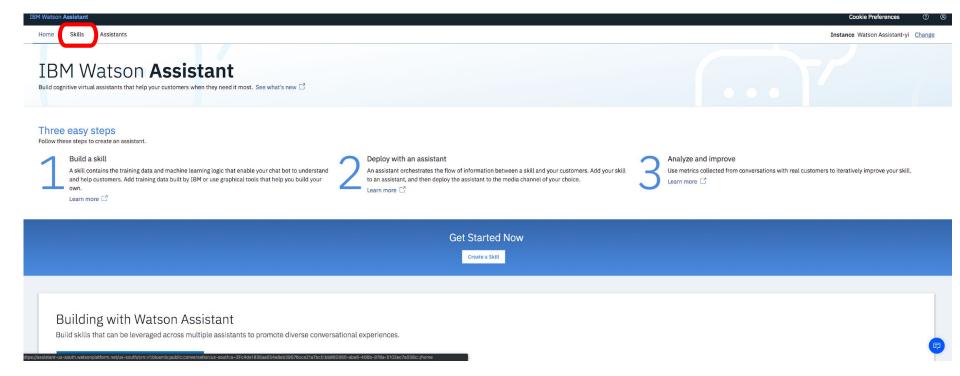
#3: Search for Watson Assistant in the search field.

#4: Name your chatbot and click on the Create Button.



#4: Click on the Launch tool button.

#5. Click on the Skills menu on the top of the page.



- #6: Click on the Create Skill button.
- #7: Enter a name and an optional Description.

| Create Dialog Skill | |
|---|---------------------|
| Create a new skill, start building a skill using the customer care sample, or import an existing skill. | |
| Create skill Use sample skill Import skill | |
| Name | |
| Ice cream store skill | |
| Name your skill, for example Account application or Personal banking. | |
| Description (optional) | |
| Add a description for this skill | |
| | |
| | |
| Language | |
| English (US) | |
| | |
| | Create dialog skill |

#8: Click on the Create Dialog skill button to generate the skill.

Concept #1: Intents and Entities

An intent is the goal or purpose of the user's message.

Examples:

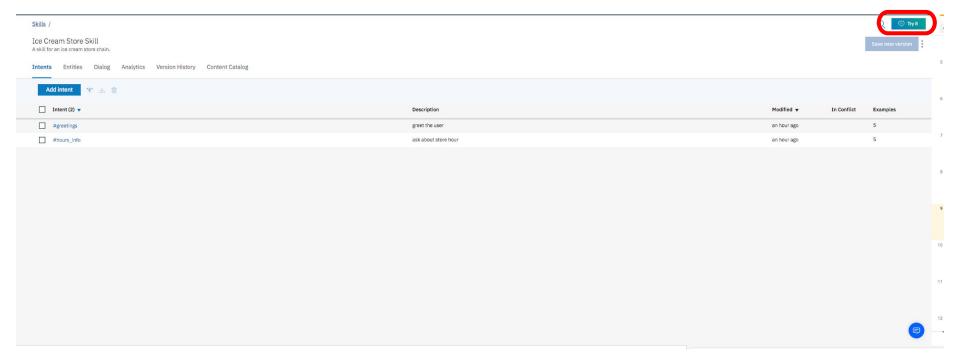
- #greetings with examples: ["hello", "hi", "hey", "good morning", "good afternoon"]
- #hours_info with examples: ["When do you open", "When are you open", "Are you open on Saturdays?", "What are your hours?", "Are you open on Christmas' Day?"]

An entity is a value of the user's input that you can use to provide different responses to a particular intent.

Examples:

- @locations with examples: ["Toronto" with synonyms ("The 6ix", "Queen City")]

Let's try it out!



Concept #2: Simple Dialogs

Dialog uses intents and entities to define a response to each user's input. It defines how your chatbot will respond to what users are saying.

Example:

Default welcome response: "Hello. My name is Watson and I'm a chatbot. How can I help you? You can ask me about our store hours."

If the chatbot recognizes #hours_info intent, respond to the user: "We are open to 10 AM to 5 PM from Monday to Friday.

Let's respond to hours of operation intent

Concept #2: Conditional Dialogs

What if we want to give a specific response based on entities.

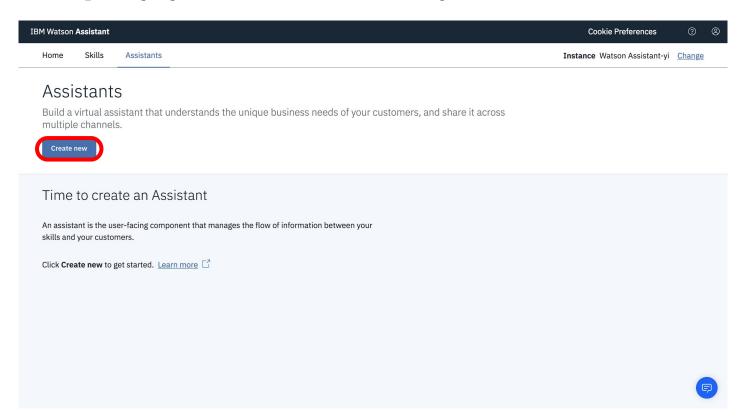
Example:

: "Could you recommend me sundae?"

The chatbot will recognize #ice_cream_suggestion and @ice_cream_type:sundae, respond to the user: "Our best selling sundae is caramel drizzle sundae".

Let's generate your WordPress website!

Let's deploy your chatbot to your website!



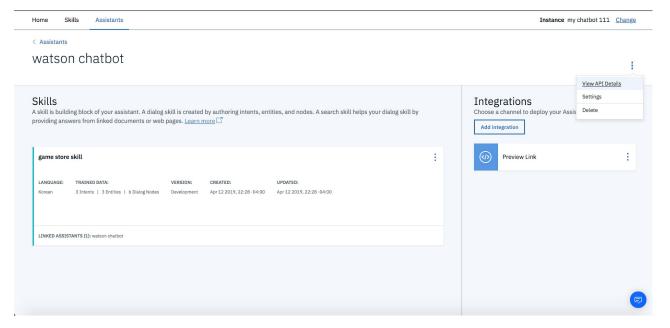
#1: Click Add Dialog Skill.

#2: Select Add existing skill.

#3: Click on the View API Details link.

#4: Save the Assistant URL, username, and

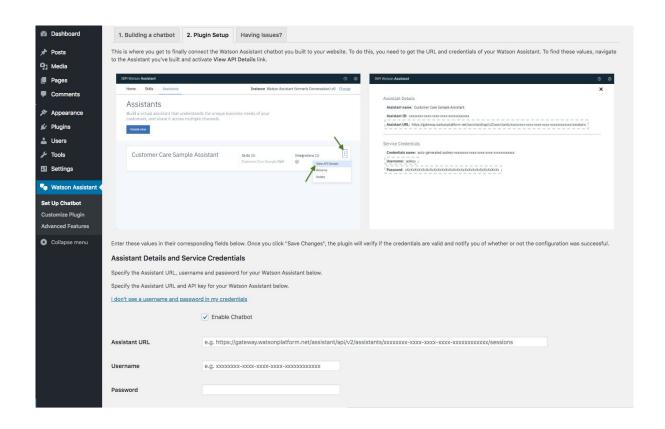
Password



- **#5: Visit your WordPress Dashboard.**
- #6: Press the Log In button with Username and
- Password.
- #7: Click on Plugins in the sidebar.
- #8: Click Activate under the Watson Assistant plugin.

#9: Copy and Paste Assistant URL, Username, and

Password.



Let's check our website!

You can also customize your website with images and texts