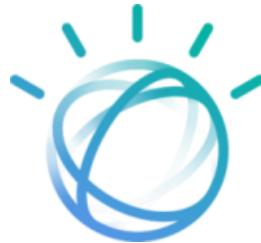


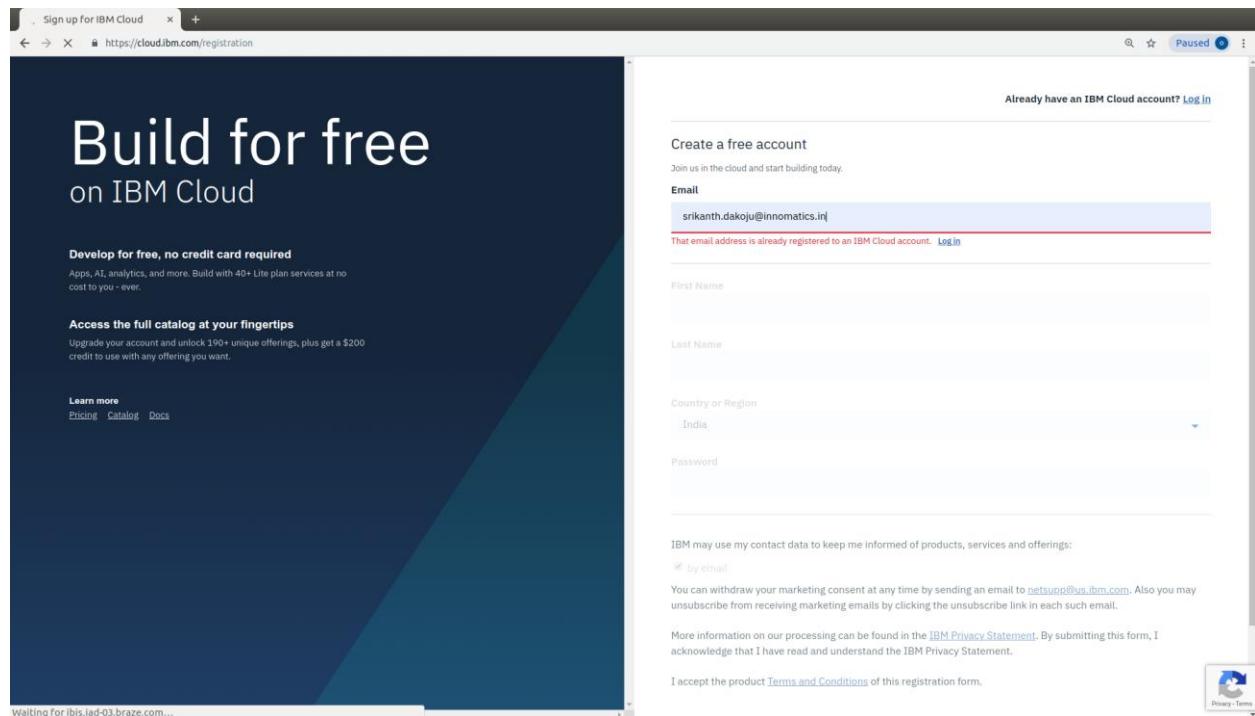
BUILD CHATBOT WITH



IBM WATSON ASSISTANT

GitHub: <https://github.com/innomaticsresearchlab/ibmchatbot/>

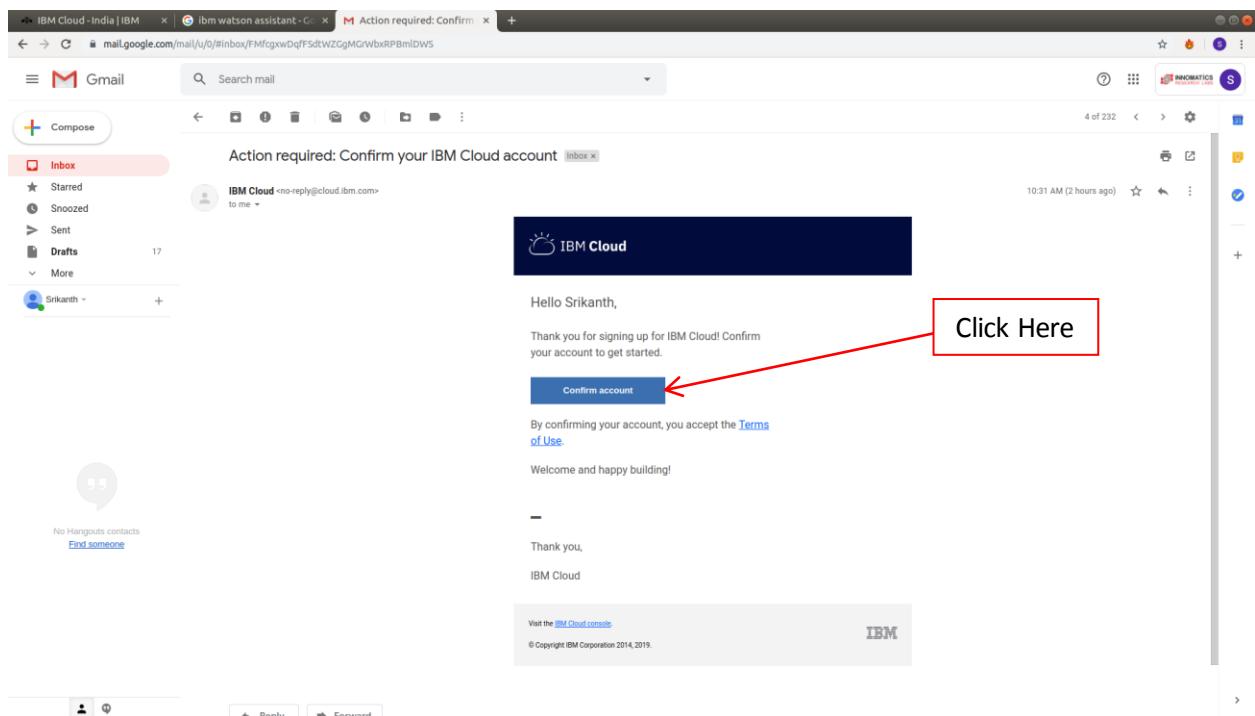
Step-1: Signup to IBM Cloud with following link below: <https://cloud.ibm.com/login>



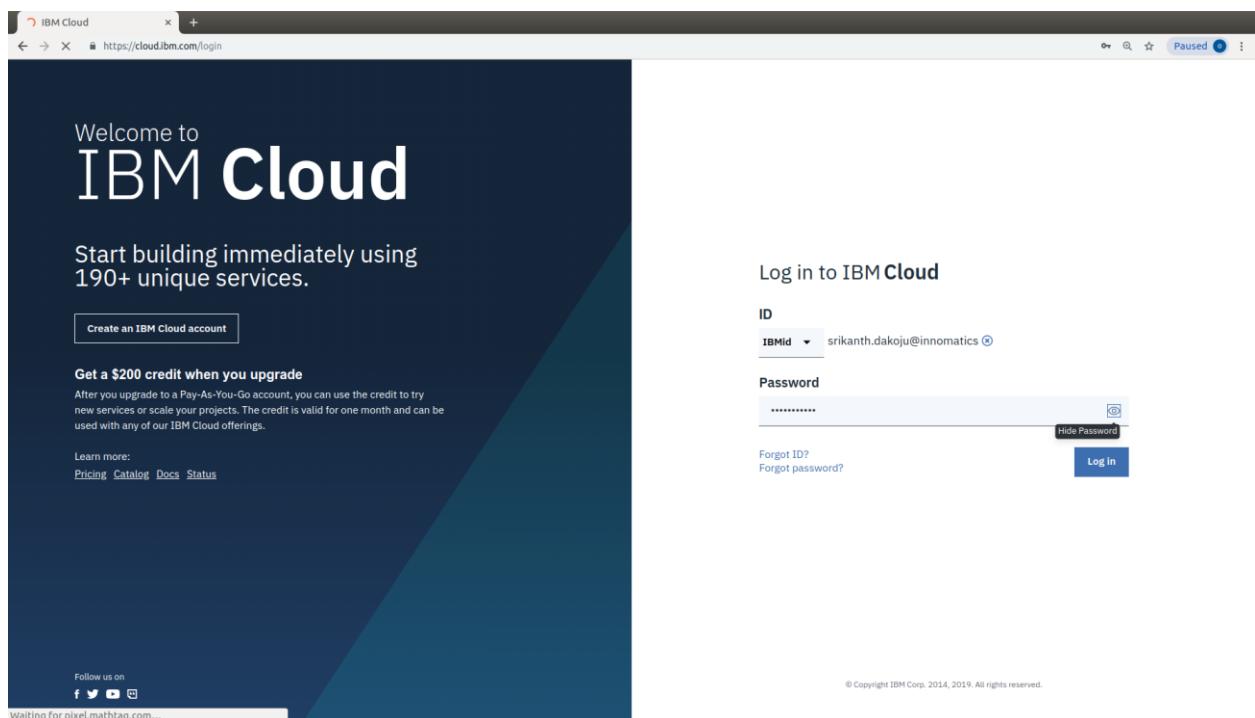
The screenshot shows a web browser window for the IBM Cloud registration page (<https://cloud.ibm.com/registration>). The main heading is "Build for free on IBM Cloud". On the right, there's a form titled "Create a free account" with fields for Email, First Name, Last Name, Country or Region, and Password. The "Email" field contains "srikanth.dakoju@innomatics.in", which is highlighted in red with an error message: "That email address is already registered to an IBM Cloud account. [Log in](#)". Above the form, there's a link "Already have an IBM Cloud account? [Log in](#)". At the bottom left of the page, it says "Waiting for ibis.iad-03.braze.com...". The bottom right corner of the screenshot has a small "Privacy Terms" link.

Step-2: Once you sign up, you will receive a mail for confirmation from IBM cloud.

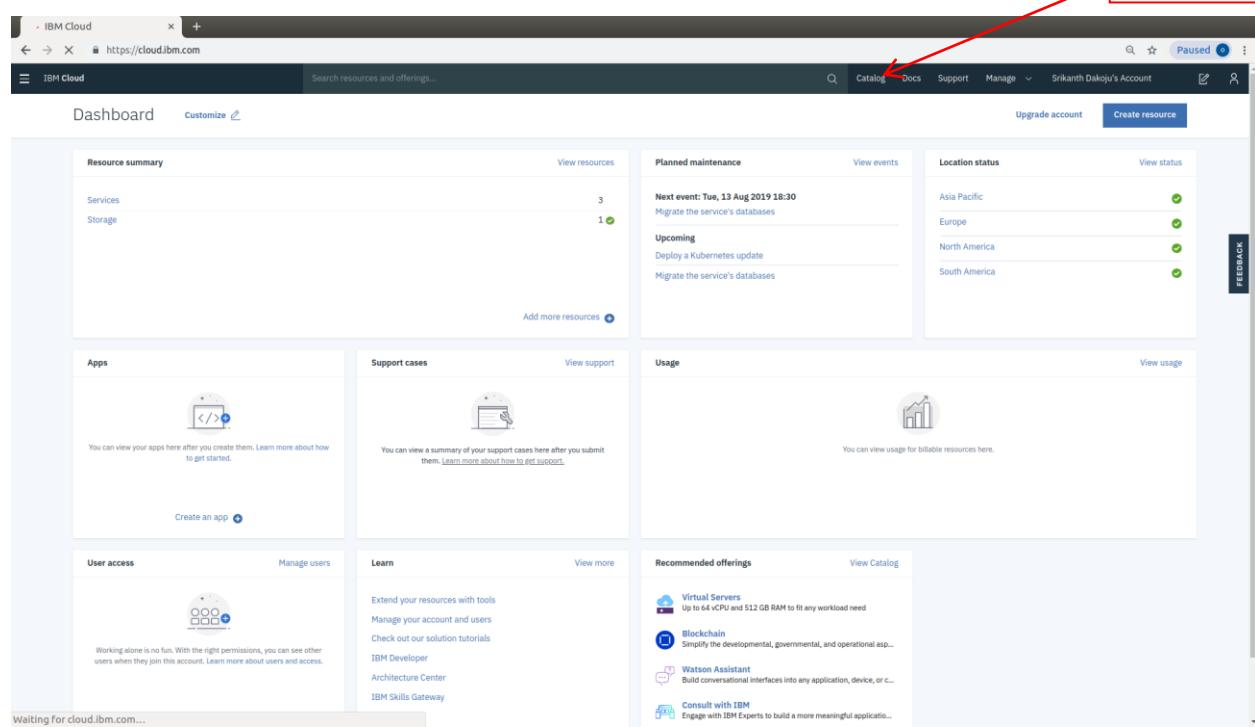
→ Click on “Create account” for confirmation



Step-3: Login to IBM Cloud with your email and password as given in signup.

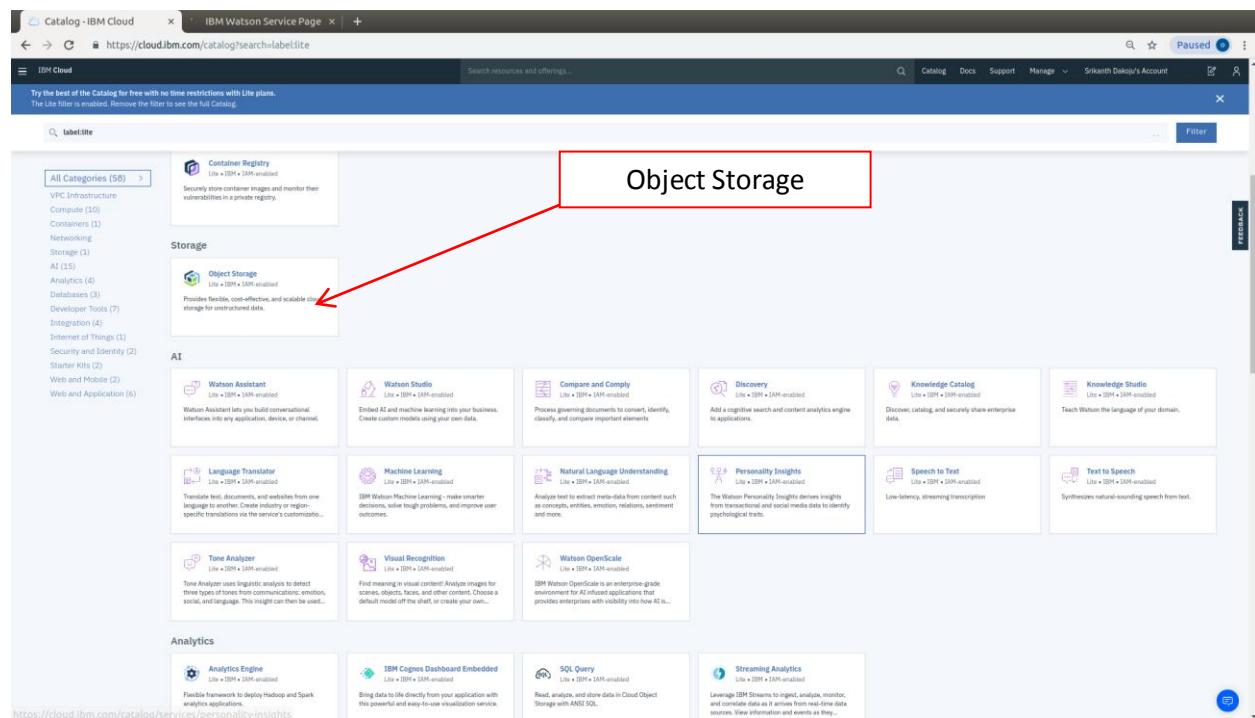


Step-4: After logged in you will redirect to a page (Dashboard) as show below:



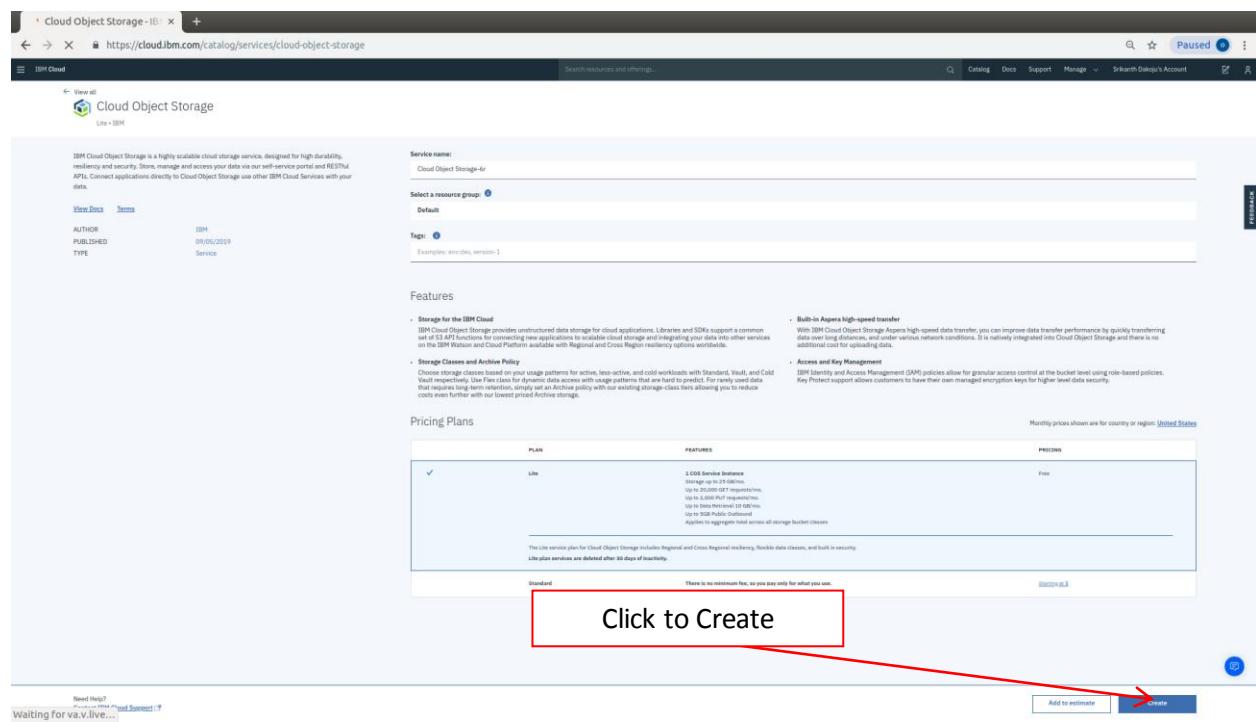
The screenshot shows the IBM Cloud Dashboard. At the top, there's a navigation bar with links for Catalog, Docs, Support, Manage, and a user account dropdown. A red arrow points from the text above to the 'Catalog' link in the navigation bar. The dashboard itself has several sections: Resource summary, Planned maintenance, Location status, Apps, Support cases, Usage, User access, Learn, and Recommended offerings. The 'Catalog' link is located in the top right corner of the dashboard area.

Step-5: Click on catalog and you will redirect to services provided by IBM. Scroll down to find Object Storage service.



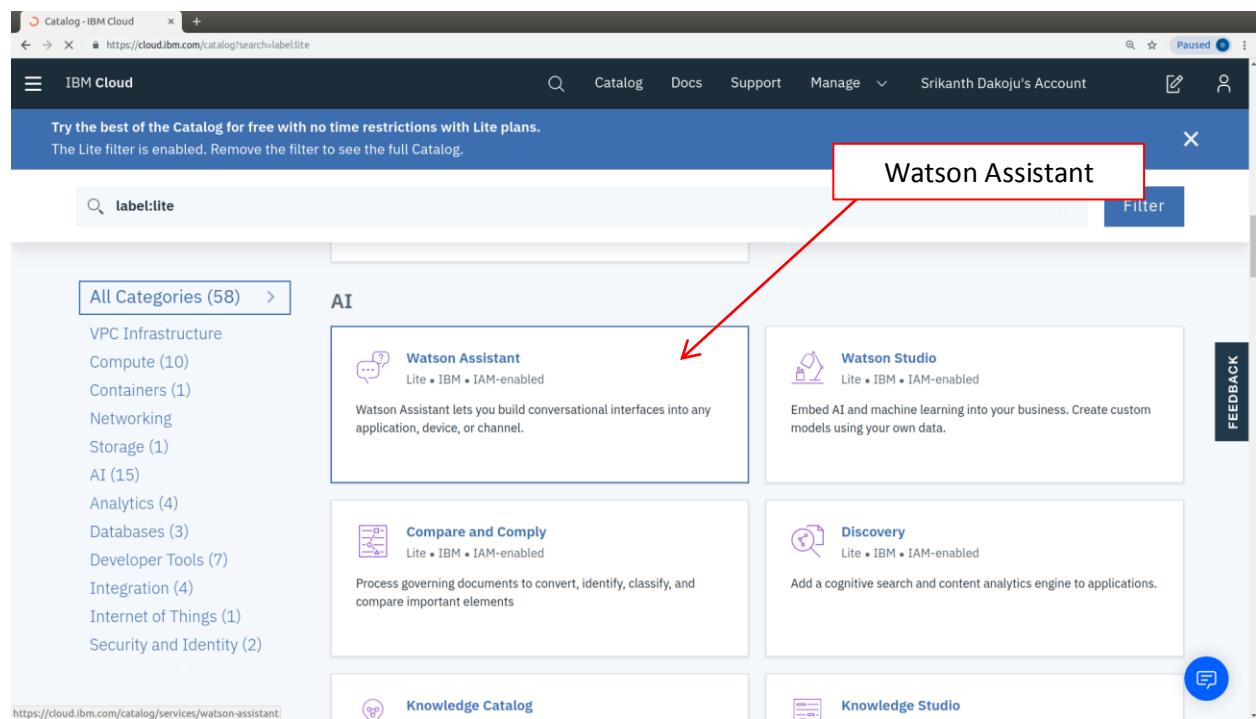
The screenshot shows the 'Catalog - IBM Cloud' page. A red arrow points from the text above to the 'Object Storage' service card. The service card is highlighted with a red box and labeled 'Object Storage'. Other services listed include Container Registry, Watson Assistant, Watson Studio, Compare and Comply, Discovery, Knowledge Catalog, Knowledge Studio, Language Translator, Machine Learning, Natural Language Understanding, Personality Insights, Speech to Text, Text to Speech, Tone Analyzer, Visual Recognition, Watson OpenScale, Analytics Engine, IBM Cognos Dashboard Embedded, SQL Query, and Streaming Analytics. The URL at the bottom of the page is <https://cloud.ibm.com/catalog/services/personality-insights>.

Step-6: Create Object Storage service with **lite plan**.



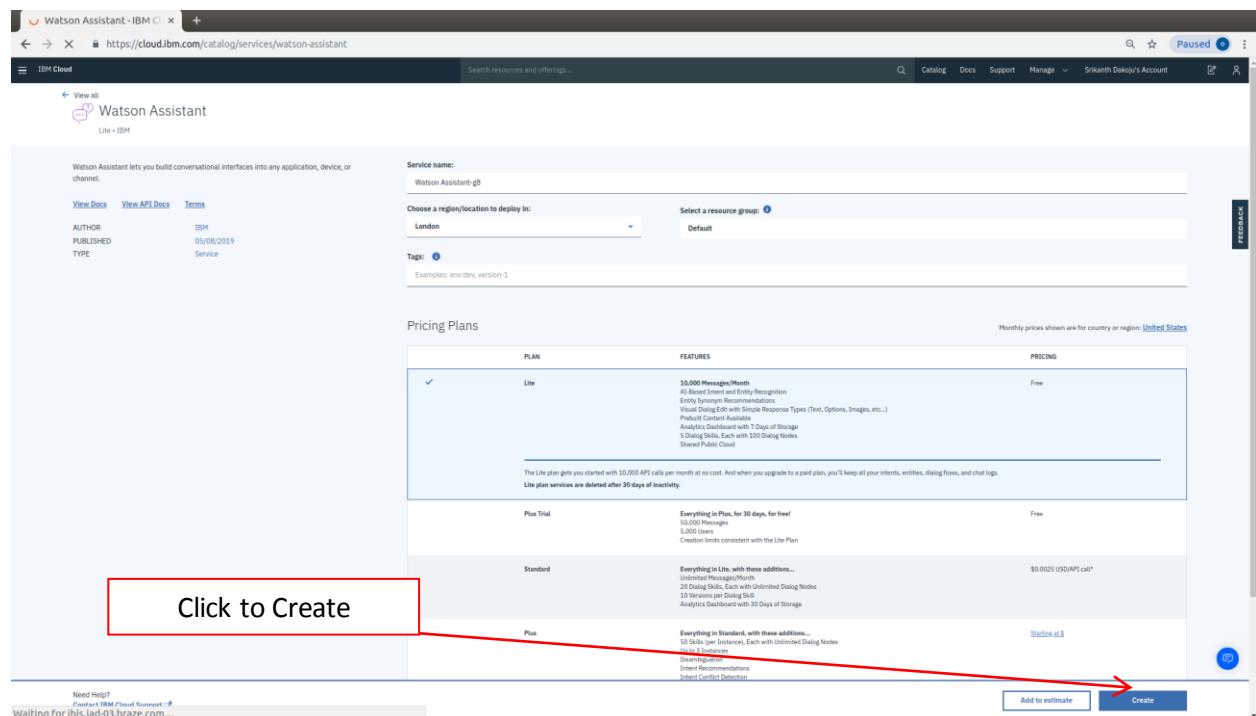
The screenshot shows the IBM Cloud Catalog interface for creating a Cloud Object Storage service. The 'Service name' field is set to 'Cloud Object Storage-4'. Under 'Select a resource group', 'Default' is chosen. In the 'Tags' field, 'Examples: encodes, version-1' is entered. The 'Features' section includes descriptions of 'Storage for the IBM Cloud' and 'Built-in Aspera high-speed transfer'. The 'Pricing Plan' table shows a single row for the 'Lite' plan, which is free. A red box highlights the 'Click to Create' button, and a red arrow points from it to the 'Create' button at the bottom right of the page.

Step-7: Similarly go to catalog and scroll down to find Watson Assistant.



The screenshot shows the IBM Cloud Catalog interface with a search filter applied for 'label:lite'. A red box highlights the 'Watson Assistant' service card, and a red arrow points from it to the 'Watson Assistant' text above the card. The 'Watson Assistant' card includes a description: 'Watson Assistant lets you build conversational interfaces into any application, device, or channel.' Other AI services listed include Watson Studio, Compare and Comply, Discovery, Knowledge Catalog, and Knowledge Studio.

Step-8: Create with **lite plan**.



Watson Assistant - IBM Cloud

Watson Assistant

Watson Assistant lets you build conversational interfaces into any application, device, or channel.

View Docs View API Docs Terms

AUTHOR IBM
PUBLISHED 05/08/2019
TYPE Service

Service name: Watson Assistant-g8

Choose a region/location to deploy to: London

Select a resource group: Default

Tags: Examples: env:dev, version:1

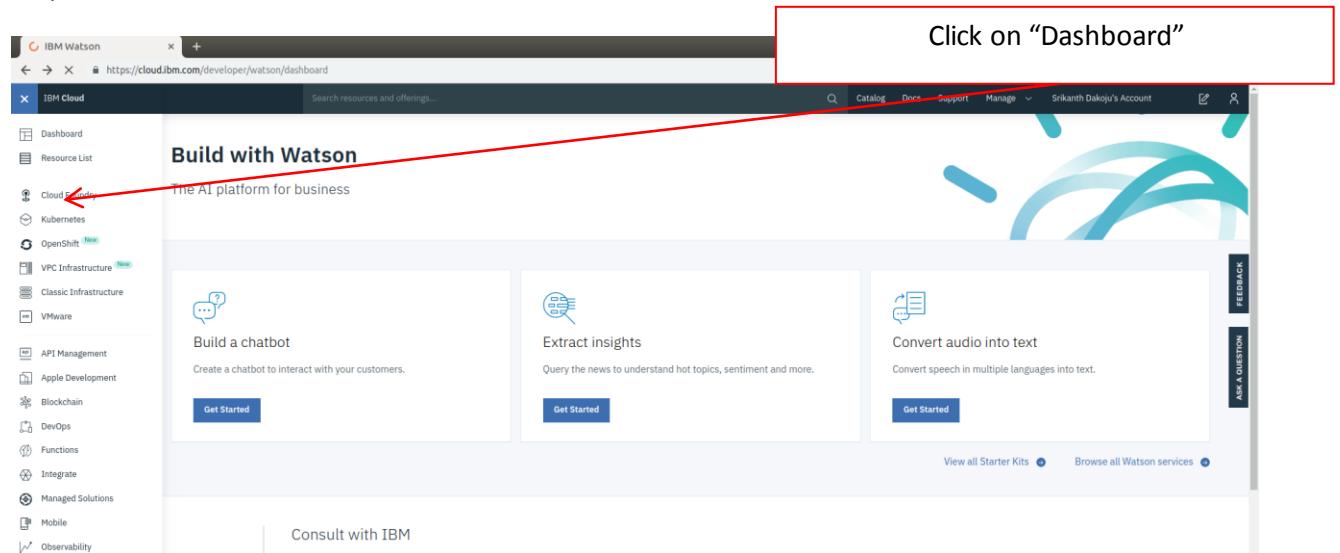
Pricing Plans

| PLAN | FEATURES | PRICING |
|------------|--|------------------------|
| Lite | 10,000 Messages/Month AI-Based Intent and Entity Recognition Entity Extraction Visual Dialog Edit with Simple Response Type (Text, Options, Images, etc...) Prebuilt Content Available Analytics Dashboard with 7 Days of Storage 5 Dialog Skills, Each with 100 Dialog Nodes Shared Public Cloud | Free |
| Plus Trial | Everything in Lite, for free! 50,000 Messages 5,000 Users Creation limits consistent with the Lite Plan | Free |
| Standard | Everything in Lite, with these additions... Unlimited Messages/Month 20 Dialog Skills, Each with Unlimited Dialog Nodes 500 Dialog Nodes Analytics Dashboard with 30 Days of Storage | \$0.0025 USD/API call* |
| Plus | Everything in Standard, with these additions... 100 Skills (per instance), Each with Unlimited Dialog Nodes 100 Dialog Nodes Disambiguation Duplicate Detection Intent Conflict Detection | Starts at \$3 |

The Lite plan gets you started with 10,000 API calls per month at no cost. And when you upgrade to a paid plan, you'll keep all your intents, entities, dialog flows, and chat logs. Lite plan services are deleted after 30 days of inactivity.

Add to estimate Create

Step-9: Click on menu on left corner and in that select “Dashboard”.



IBM Watson

IBM Cloud

Cloud Platform

Resource List

Cloud Platform

Kubernetes

OpenShift

VPC Infrastructure

Classic Infrastructure

VMware

API Management

Apple Development

Blockchain

DevOps

Functions

Integrate

Managed Solutions

Mobile

Observability

Build with Watson

The AI platform for business

Build a chatbot

Create a chatbot to interact with your customers.

Get Started

Extract insights

Query the news to understand hot topics, sentiment and more.

Get Started

Convert audio into text

Convert speech in multiple languages into text.

Get Started

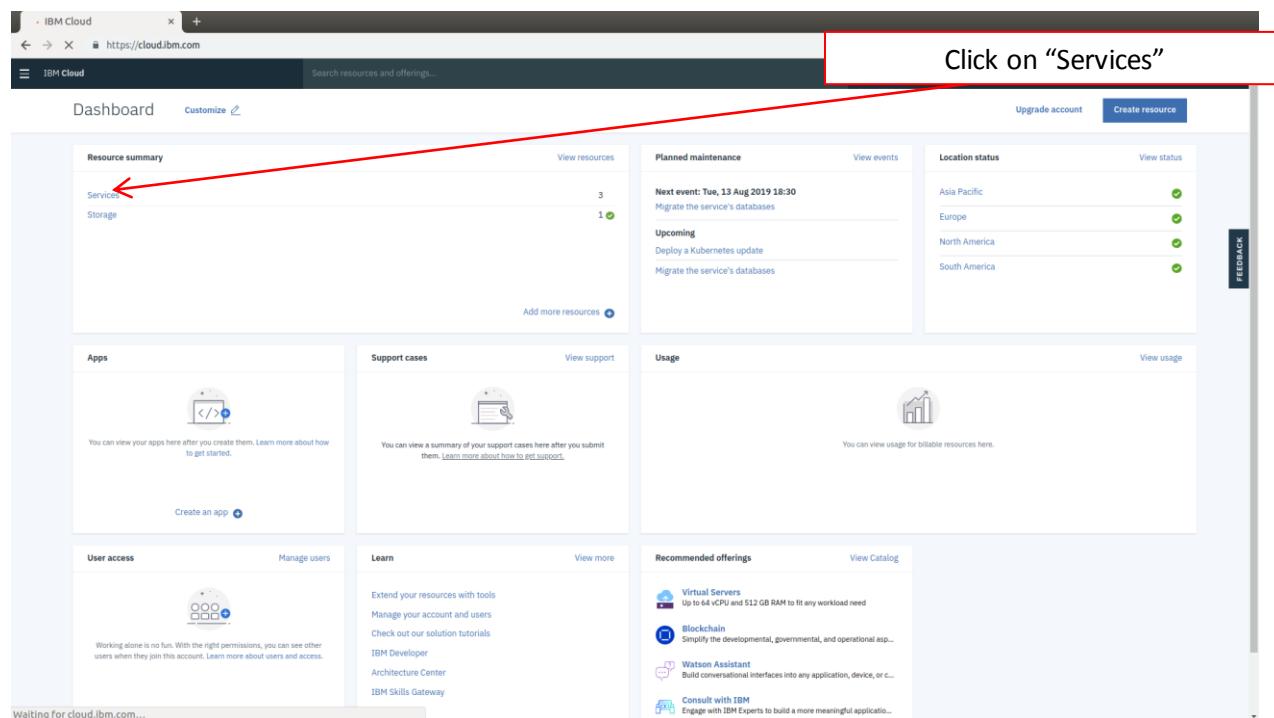
View all Starter Kits

Browse all Watson services

Consult with IBM

Click on “Dashboard”

In resource summary you can find all the services which created now.



IBM Cloud Dashboard

Resource summary

- Service (3)
- Storage (1)

Planned maintenance

- Next event: Tue, 13 Aug 2019 18:30
Migrate the service's databases
- Upcoming
Deploy a Kubernetes update
Migrate the service's databases

Location status

- Asia Pacific
- Europe
- North America
- South America

Apps

Support cases

Usage

User access

Learn

Recommended offerings

Watson Assistant

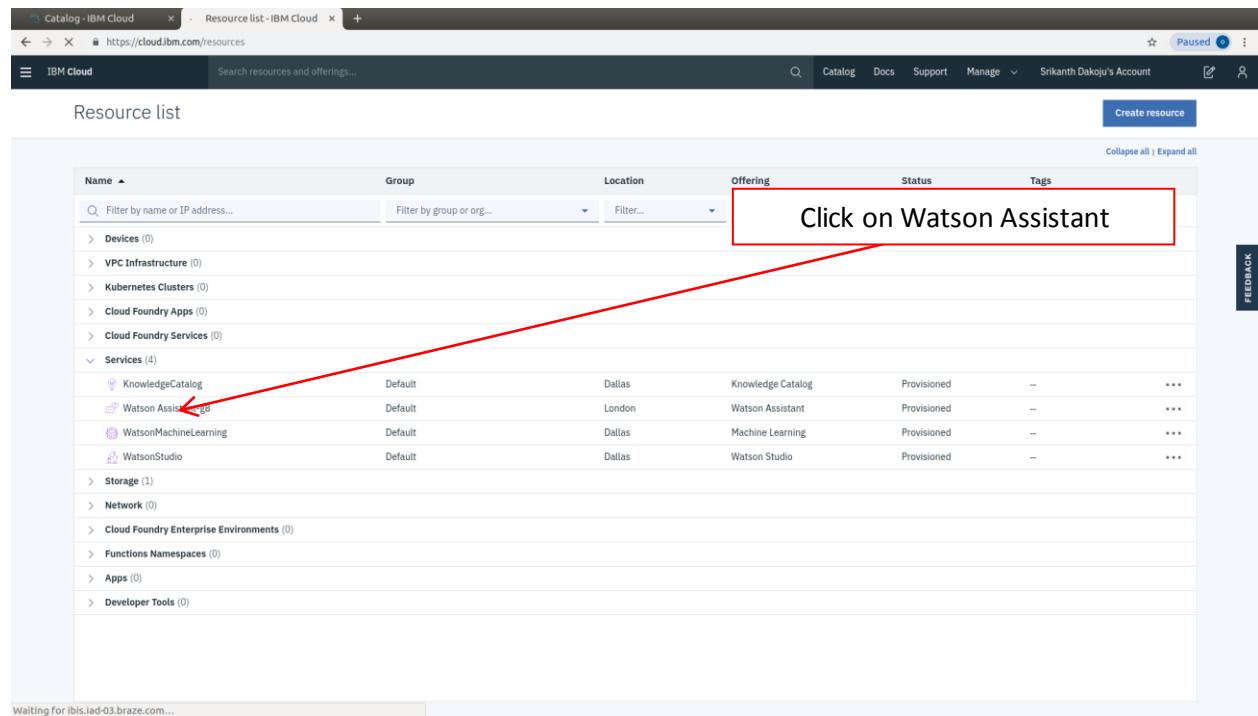
Virtual Servers

Blockchain

Watson Assistant

Consult with IBM

Step-10: Click to expand resource list as show below. Now click on Watson Assistant.



Catalog - IBM Cloud

Resource list - IBM Cloud

IBM Cloud

Resource list

| Name | Group | Location | Offering | Status | Tags |
|-----------------------|---------|----------|------------------|-------------|------|
| Watson Assistant | Default | London | Watson Assistant | Provisioned | -- |
| WatsonMachineLearning | Default | Dallas | Machine Learning | Provisioned | -- |
| WatsonStudio | Default | Dallas | Watson Studio | Provisioned | -- |

Devices (0)

VPC Infrastructure (0)

Kubernetes Clusters (0)

Cloud Foundry Apps (0)

Cloud Foundry Services (0)

Services (4)

- Watson Assistant
- WatsonMachineLearning
- WatsonStudio

Storage (1)

Network (0)

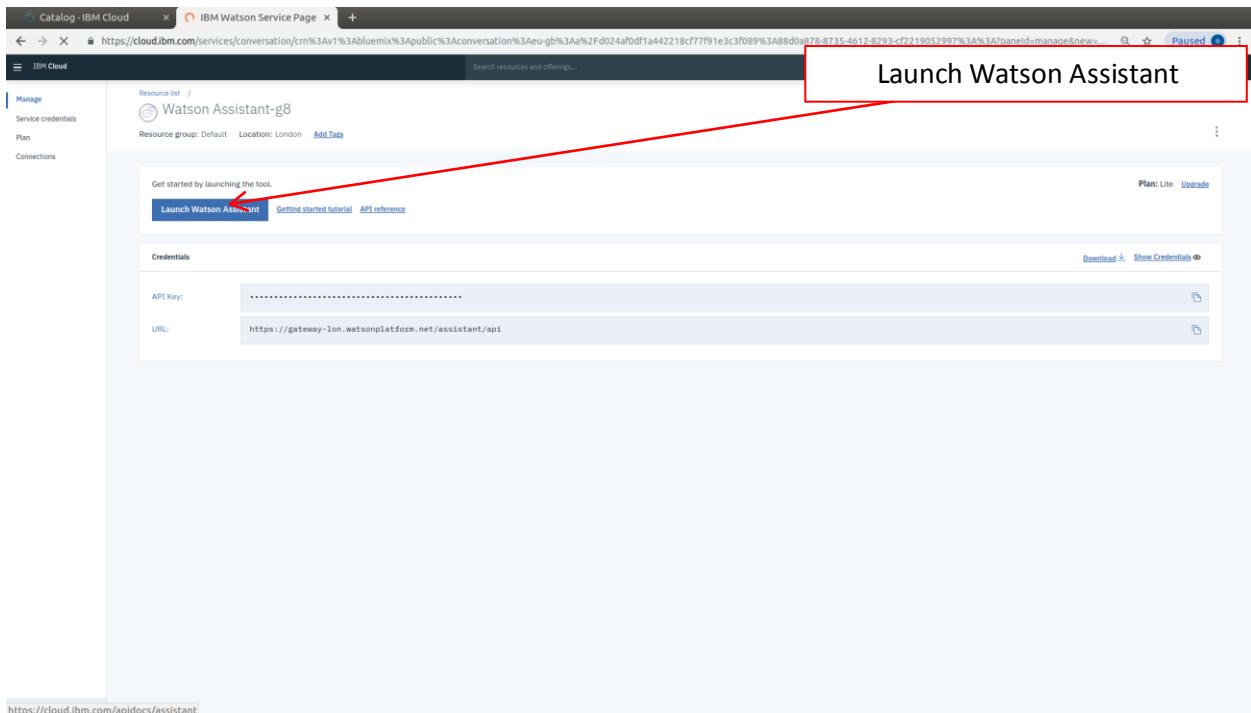
Cloud Foundry Enterprise Environments (0)

Functions Namespaces (0)

Apps (0)

Developer Tools (0)

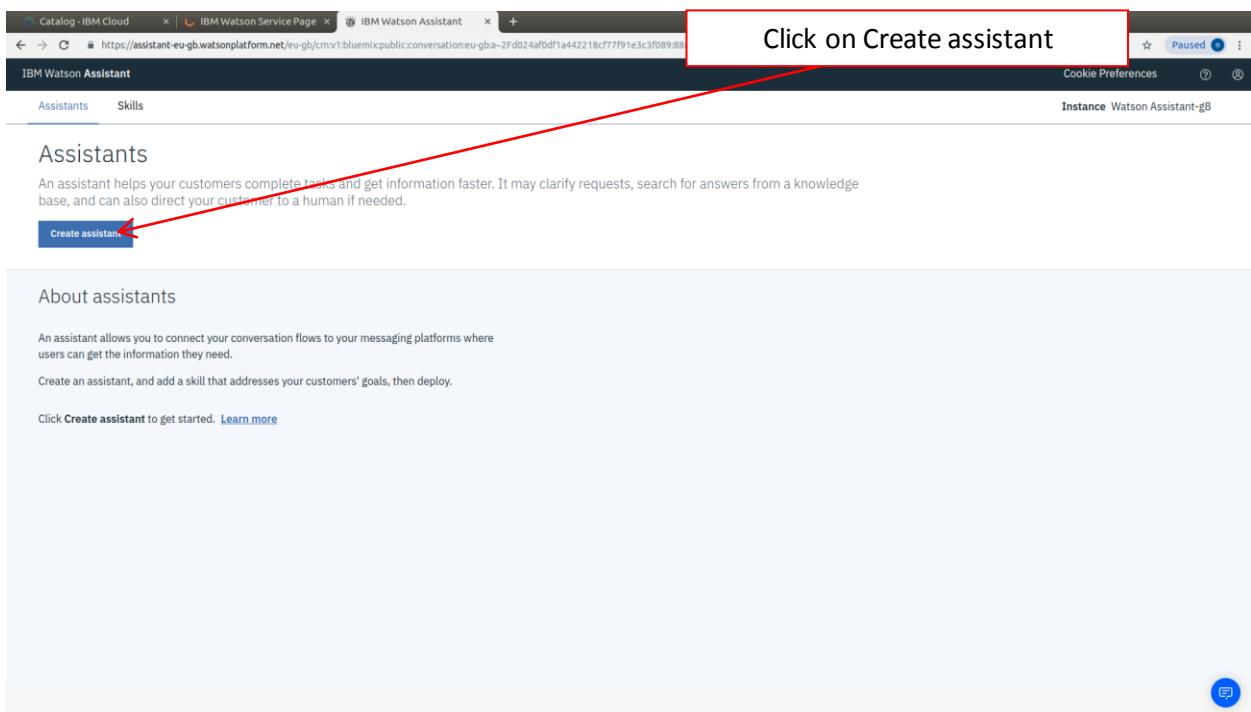
Step-11: You will redirect to page as show below click on Launch Watson Assistant.



The screenshot shows the IBM Watson Service Page for a resource named 'Watson Assistant-g8'. A red box highlights the 'Launch Watson Assistant' button at the top of the page. Below it, there are links for 'Getting started tutorial' and 'API reference'. The URL in the address bar is <https://cloud.ibm.com/apidocs/assistant>.

Step-12,13,14,15 are optional, you can directly go to step number 16.

Step-12 (optional): You will in assistant page, now click on **create assistant**.

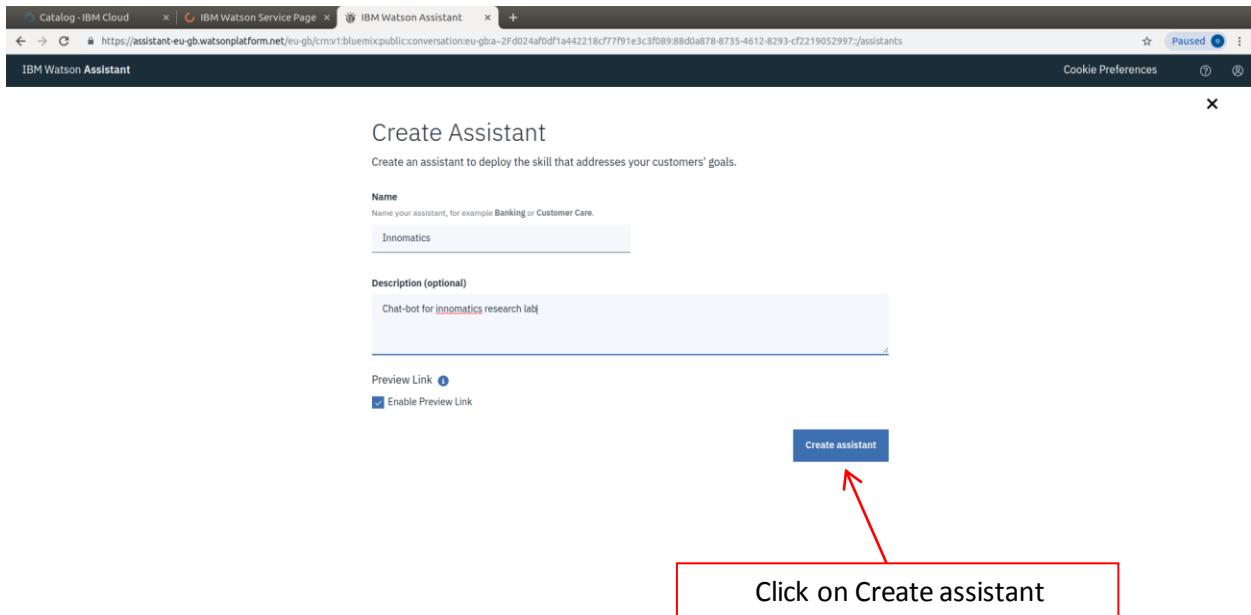


The screenshot shows the IBM Watson Assistant page. A red box highlights the 'Create assistant' button at the top left of the main content area. The URL in the address bar is <https://assistant-eu-gb.watsonplatform.net/eu-gb/cm/v1/bluemix/public/conversation/eu-gba-2Fd024af0df1a42218cf77f91e3c3f08938>. The page also includes sections for 'About assistants' and 'Skills'.

Step-13 (optional): You will in Create Assistant page, **enter the following details and click on create assistant**

Eg: Name: Innomatics

Description: Chatbot for innomatics research lab



Create Assistant

Create an assistant to deploy the skill that addresses your customers' goals.

Name
Name your assistant, for example Banking or Customer Care.
Innomatics

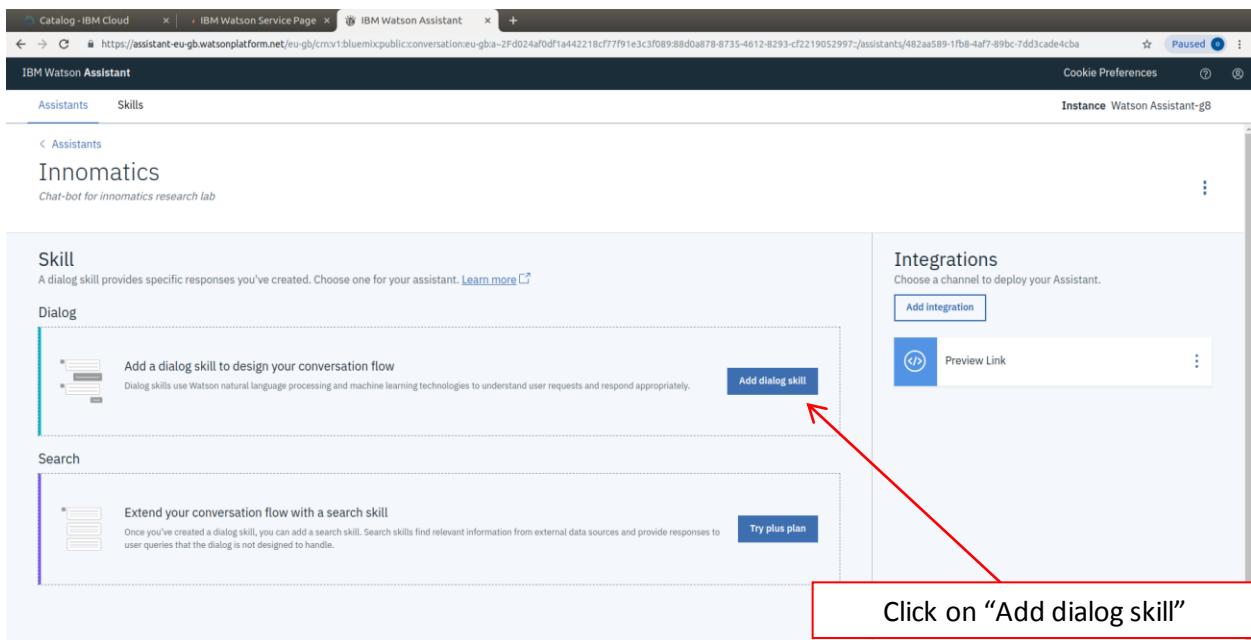
Description (optional)
Chat-bot for innomatics research lab

Preview Link ⓘ
 Enable Preview Link

Create assistant

Click on Create assistant

Step-14(optional): Now you are in “Innomatics” assistant page. Click on “Add dialog skill”.



Skills

A dialog skill provides specific responses you've created. Choose one for your assistant. [Learn more](#) ⓘ

Dialog

Add a dialog skill to design your conversation flow
Dialog skills use Watson natural language processing and machine learning technologies to understand user requests and respond appropriately.

Add dialog skill

Search

Extend your conversation flow with a search skill
Once you've created a dialog skill, you can add a search skill. Search skills find relevant information from external data sources and provide responses to user queries that the dialog is not designed to handle.

Try plus plan

Integrations

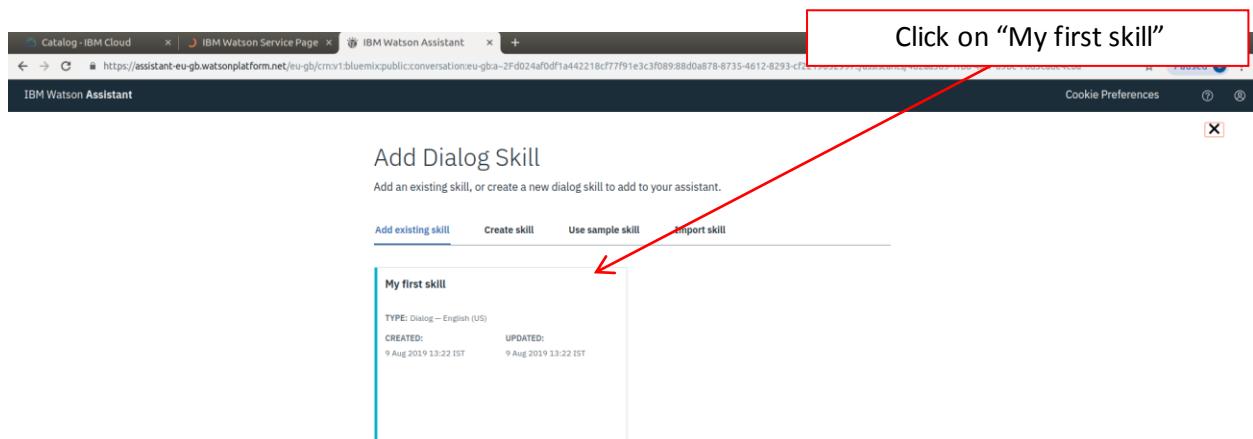
Choose a channel to deploy your Assistant.

Add integration

Preview Link

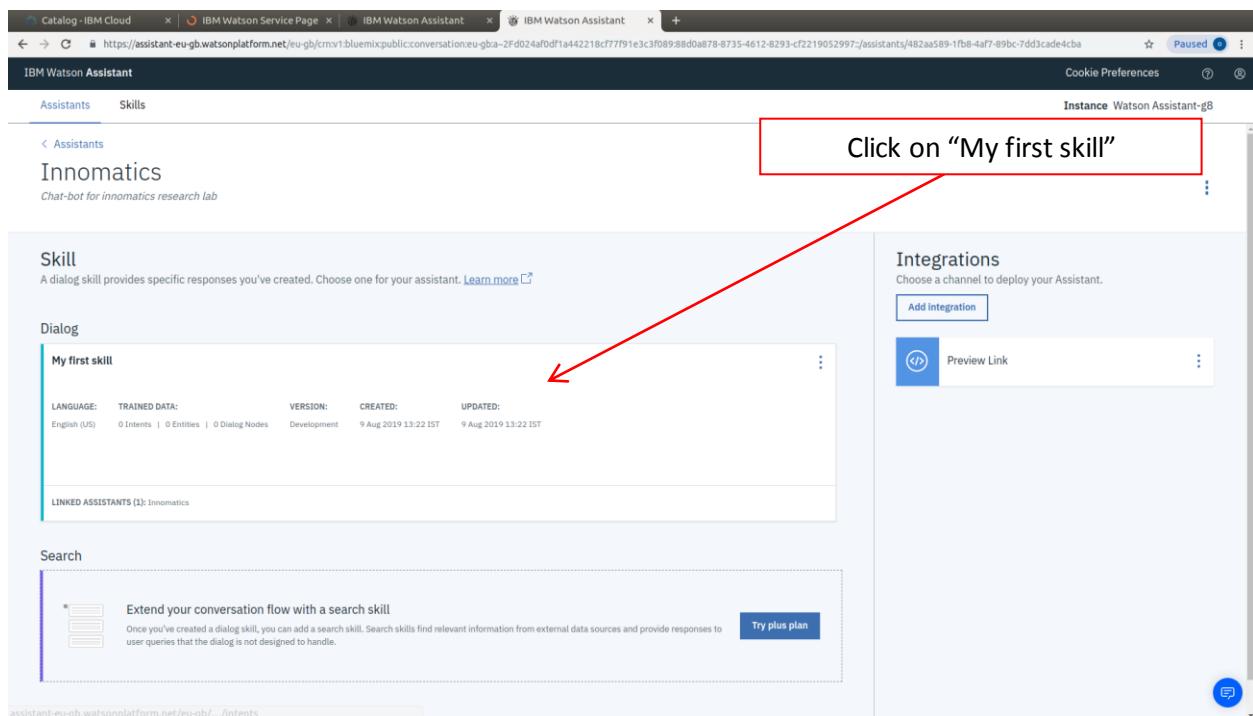
Click on “Add dialog skill”

Step-15(optional): Now click on “My first skill”



The screenshot shows the 'Add Dialog Skill' page. At the top, there are four tabs: 'Add existing skill', 'Create skill', 'Use sample skill', and 'Import skill'. Below the tabs, a card titled 'My first skill' is displayed. The card shows the following details:
TYPE: Dialog – English (US)
CREATED: 9 Aug 2019 13:22 IST **UPDATED:** 9 Aug 2019 13:22 IST

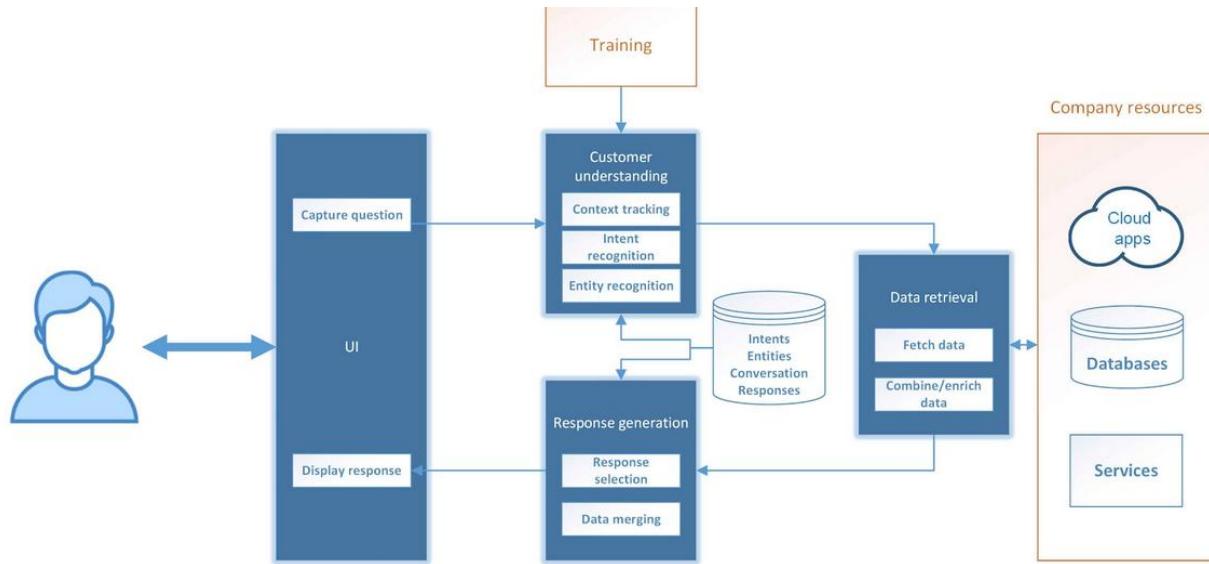
Step-16: In skill, a skill is added with the name “My first skill”.



The screenshot shows the 'Skills' page. On the left, there's a sidebar with 'Assistants' and 'Skills'. Under 'Skills', it says 'Innomatics Chat-bot for innomatics research lab'. The main area is titled 'Skill'. It shows a card for 'My first skill':
Dialog
My first skill
LANGUAGE: English (US) **TRAINED DATA:** 0 Intents | 0 Entities | 0 Dialog Nodes
VERSION: Development **CREATED:** 9 Aug 2019 13:22 IST **UPDATED:** 9 Aug 2019 13:22 IST
LINKED ASSISTANTS (1): Innomatics
Search
Extend your conversation flow with a search skill
Once you've created a dialog skill, you can add a search skill. Search skills find relevant information from external data sources and provide responses to user queries that the dialog is not designed to handle.
[Try plus plan](#)

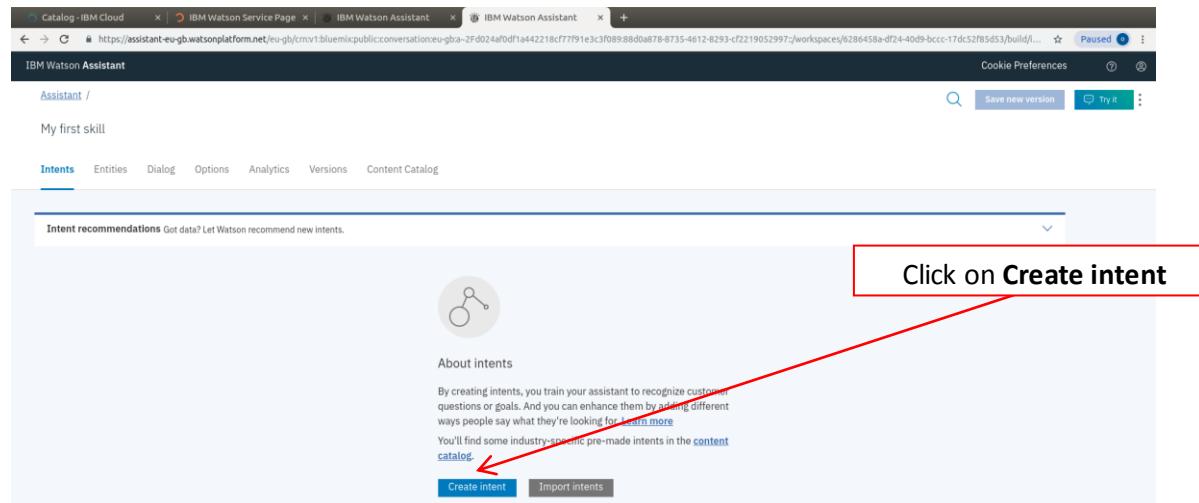
On the right side, there's an 'Integrations' section with a 'Preview Link' button.

IBM Watson Assistant Flow Diagram:



Step-17: Creating "#Intents"

- Click on **Create intent** to create intent of question. E.g. greetings, location etc. as shown below.
- Intents should create with **hash tag (#)**.



Intent recommendations Got data? Let Watson recommend new intents.

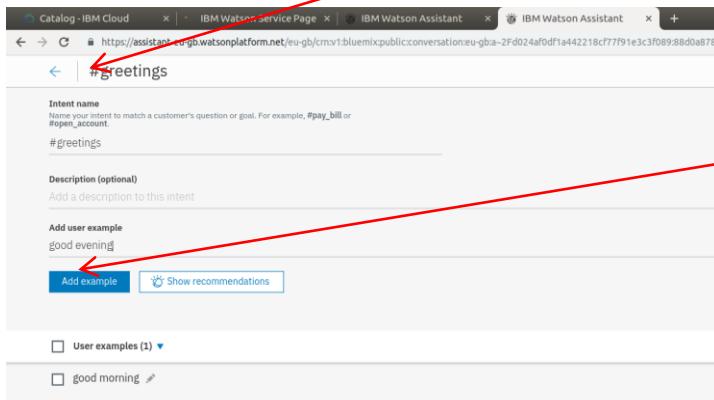
About intents

By creating intents, you train your assistant to recognize customer questions or goals. And you can enhance them by adding different ways people say what they're looking for. [Learn more](#)

You'll find some industry-specific pre-made intents in the [content catalog](#)

Create intent **Import intents**

Hashtag (#)



#greetings

Intent name
Name your intent to match a customer's question or goal. For example, #pay_bill or #open_account.
#greetings

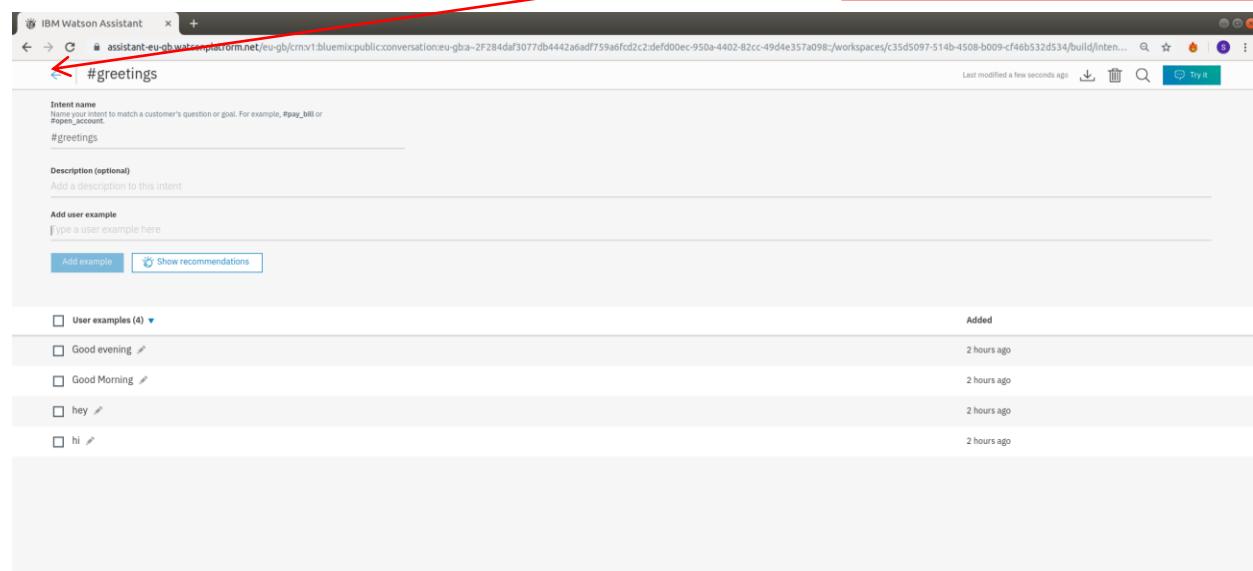
Description (optional)
Add a description to this intent.

Add user example
good evening

User examples (1) ▾
 good morning ↗

Click on “Addexample”

Click here to “back button” and it go to “My First skill” home



#greetings

Intent name
Name your intent to match a customer's question or goal. For example, #pay_bill or #open_account.
#greetings

Description (optional)
Add a description to this intent.

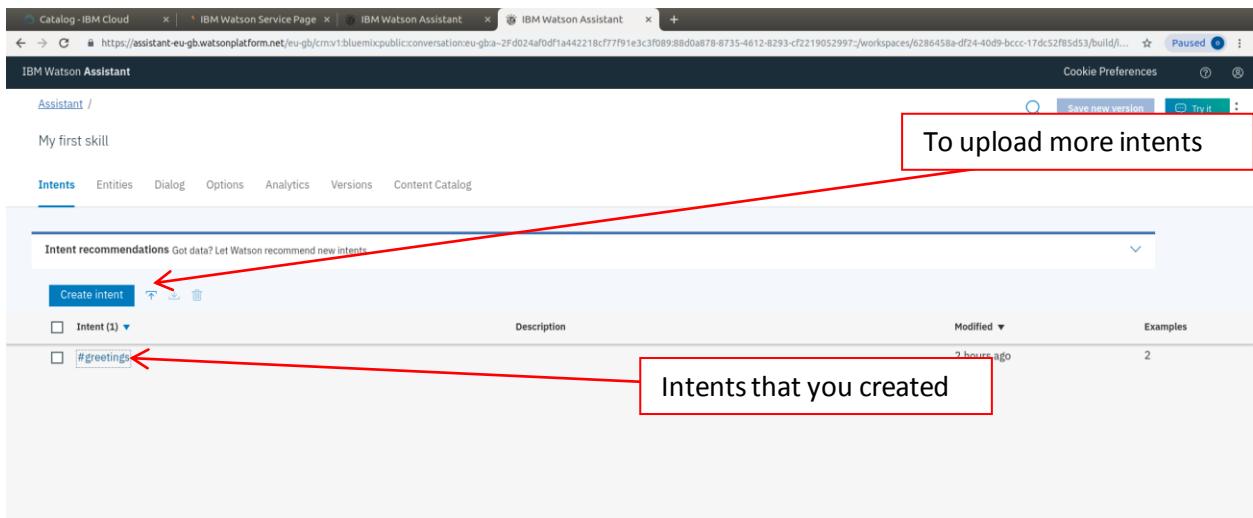
Add user example
Type a user example here

User examples (4) ▾

| | Added |
|---|-------------|
| <input type="checkbox"/> Good evening ↗ | 2 hours ago |
| <input type="checkbox"/> Good Morning ↗ | 2 hours ago |
| <input type="checkbox"/> hey ↗ | 2 hours ago |
| <input type="checkbox"/> hi ↗ | 2 hours ago |

- Now to can find the intent (#greetings) which you have created.

To upload more intents



Assistant / My first skill

Cookie Preferences

Intents Entities Dialog Options Analytics Versions Content Catalog

Intent recommendations Got data? Let Watson recommend new intent.

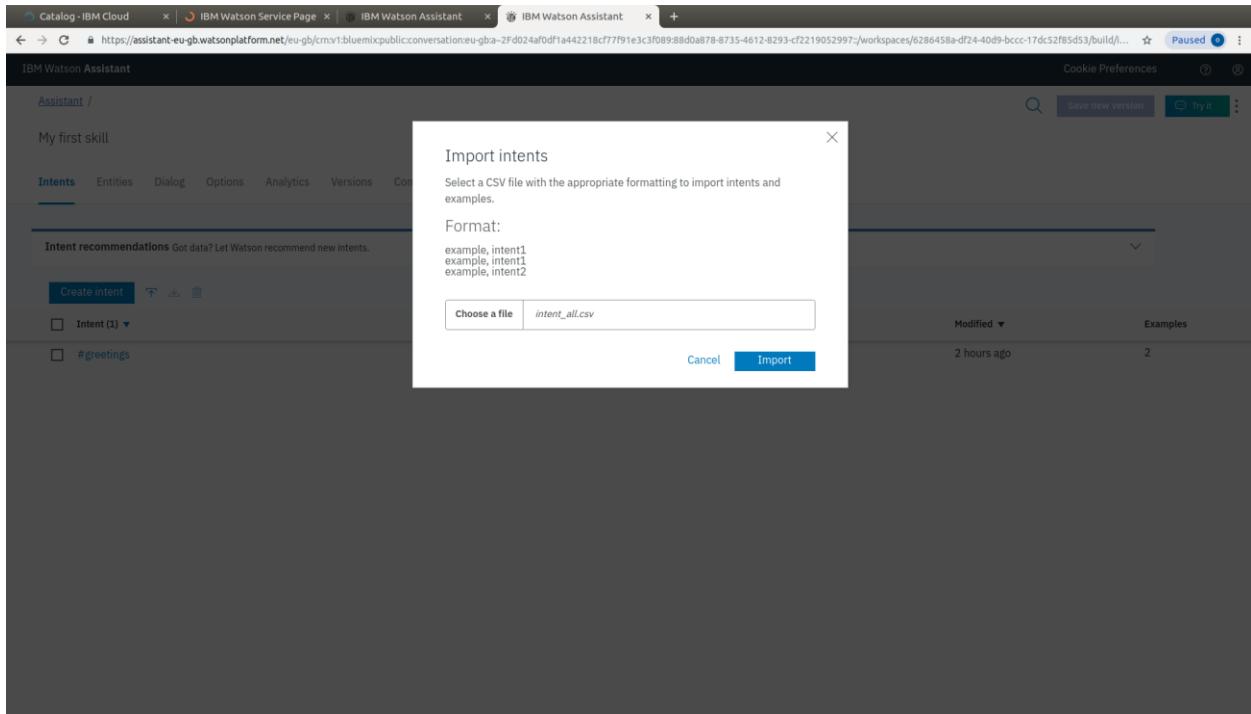
Create intent

| | Description | Modified | Examples |
|---------------------------------------|-------------|-------------|----------|
| <input type="checkbox"/> Intent (1) ▾ | | 2 hours ago | 2 |
| <input type="checkbox"/> #greetings | | 2 hours ago | 2 |

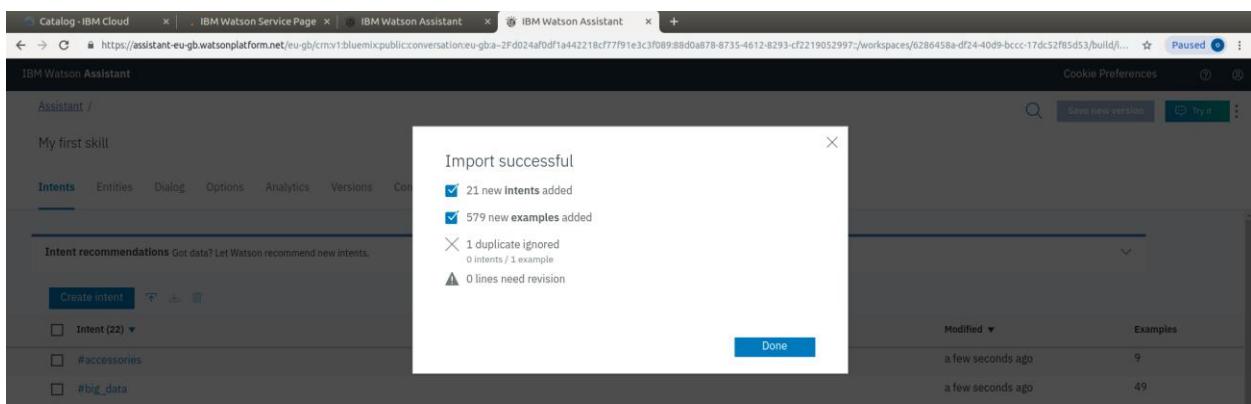
Intents that you created

Like this you can create intents. Or can upload intents [intent_all.csv](#) or data in csv with specified with [intent names](#) files as shown below.

- Drag and drop your csv or click on choose a file to upload intent_all.csv

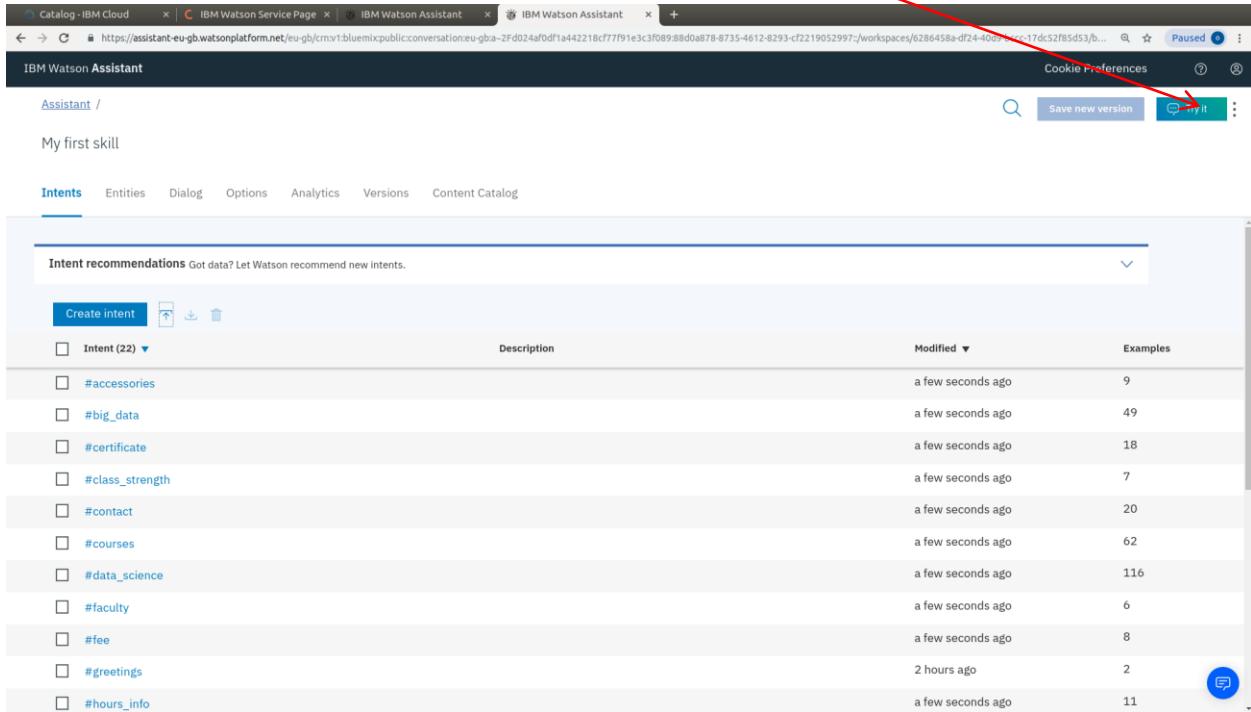


- It shows that 21 intent and total of 579 examples



Click on **Try it** to see how Watson able to detect intents using “cosine similarity”

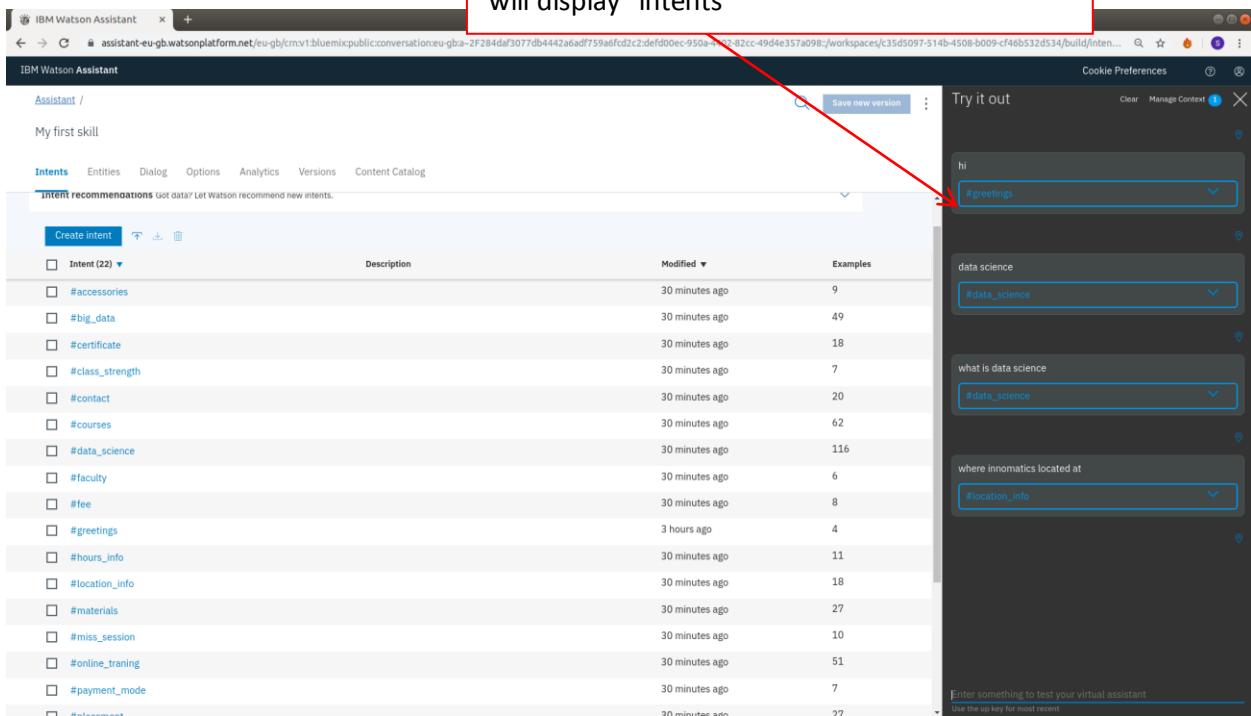
Click on “Done” now you can see all intents (21).



Intent recommendations Got data? Let Watson recommend new intents.

| | Description | Modified | Examples |
|--|-------------|-------------------|----------|
| <input type="checkbox"/> Intent (22) ▾ | | | |
| <input type="checkbox"/> #accessories | | a few seconds ago | 9 |
| <input type="checkbox"/> #big_data | | a few seconds ago | 49 |
| <input type="checkbox"/> #certificate | | a few seconds ago | 18 |
| <input type="checkbox"/> #class_strength | | a few seconds ago | 7 |
| <input type="checkbox"/> #contact | | a few seconds ago | 20 |
| <input type="checkbox"/> #courses | | a few seconds ago | 62 |
| <input type="checkbox"/> #data_science | | a few seconds ago | 116 |
| <input type="checkbox"/> #faculty | | a few seconds ago | 6 |
| <input type="checkbox"/> #fee | | a few seconds ago | 8 |
| <input type="checkbox"/> #greetings | | 2 hours ago | 2 |
| <input type="checkbox"/> #hours_info | | a few seconds ago | 11 |

You can something into virtual assistant. That will display “intents”



Try it out

hi
#greetings

data science
#data_science

what is data science
#data_science

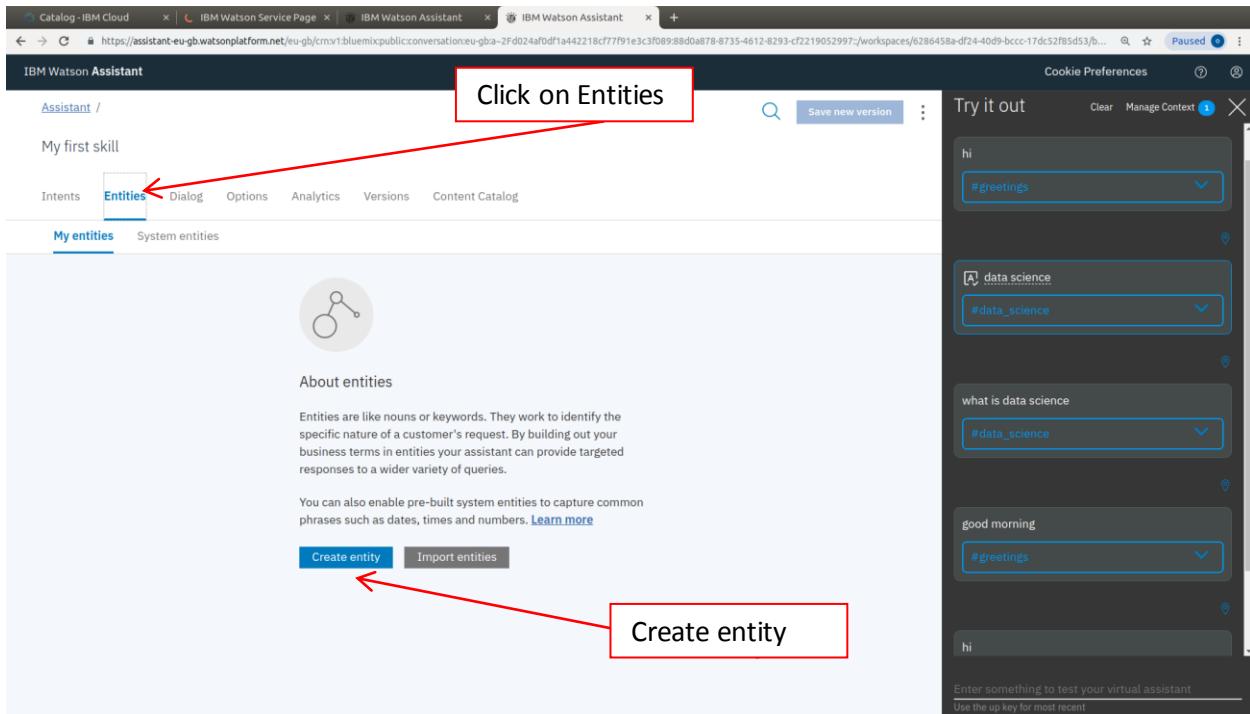
where innomatics located at
#location_info

Enter something to test your virtual assistant
Use the up key for most recent

Step-18: Create Entities:

- Create with '@'

Click on Entities



My first skill

Intents Entities Dialog Options Analytics Versions Content Catalog

My entities System entities

About entities

Entities are like nouns or keywords. They work to identify the specific nature of a customer's request. By building out your business terms in entities your assistant can provide targeted responses to a wider variety of queries.

You can also enable pre-built system entities to capture common phrases such as dates, times and numbers. [Learn more](#)

Create entity Import entities

hi
#greetings

#data_science
#data_science

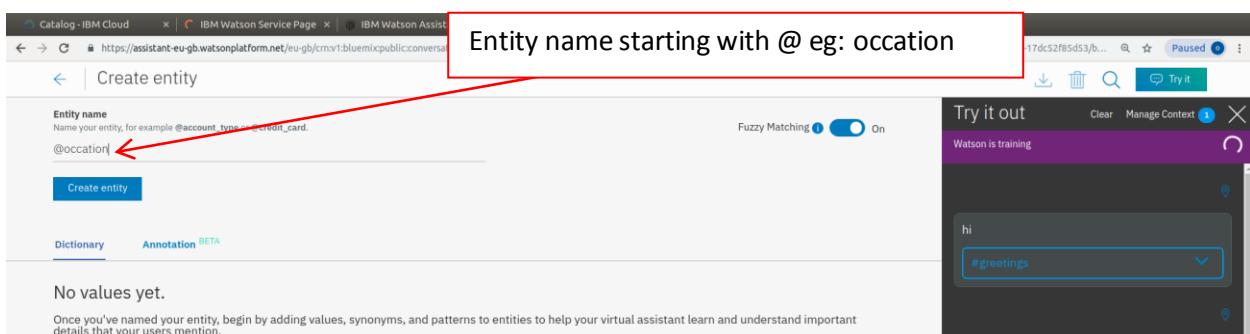
what is data science
#data_science

good morning
#greetings

hi

Enter something to test your virtual assistant
Use the up key for most recent

Entity name starting with @ eg: occation



Create entity

Entity name
Name your entity, for example @account_type or @credit_card.
@occation

Create entity

Dictionary Annotation BETA

No values yet.

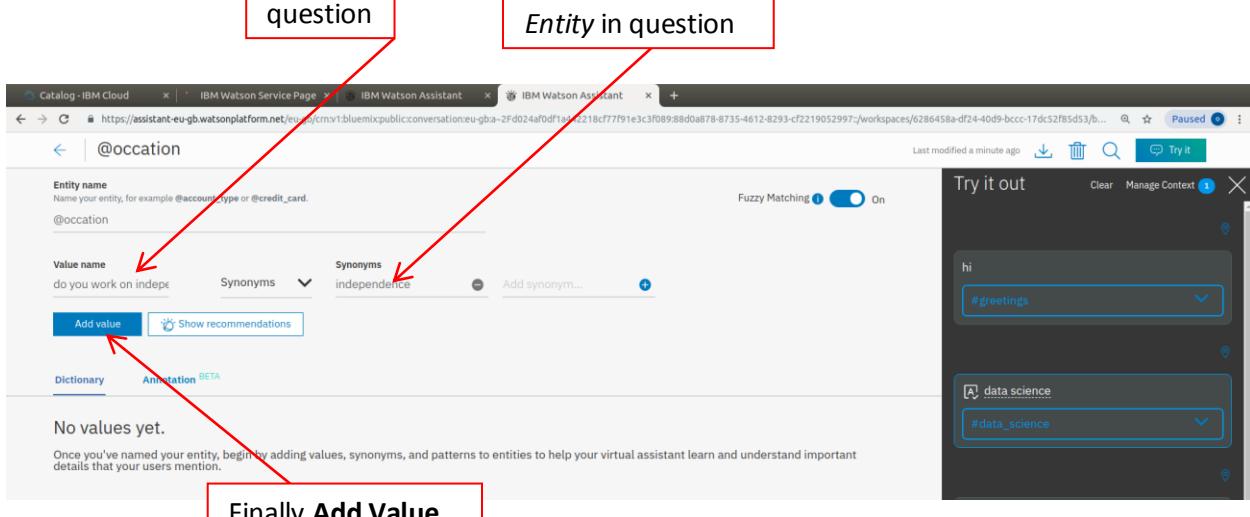
Once you've named your entity, begin by adding values, synonyms, and patterns to entities to help your virtual assistant learn and understand important details that your users mention.

Try it out Clear Manage Context

Watson is training

hi
#greetings

question Entity in question



@occation

Entity name
Name your entity, for example @account_type or @credit_card.
@occation

Value name
do you work on indepe

Synonyms
independence

Add value Show recommendations

Dictionary Annotation BETA

No values yet.

Once you've named your entity, begin by adding values, synonyms, and patterns to entities to help your virtual assistant learn and understand important details that your users mention.

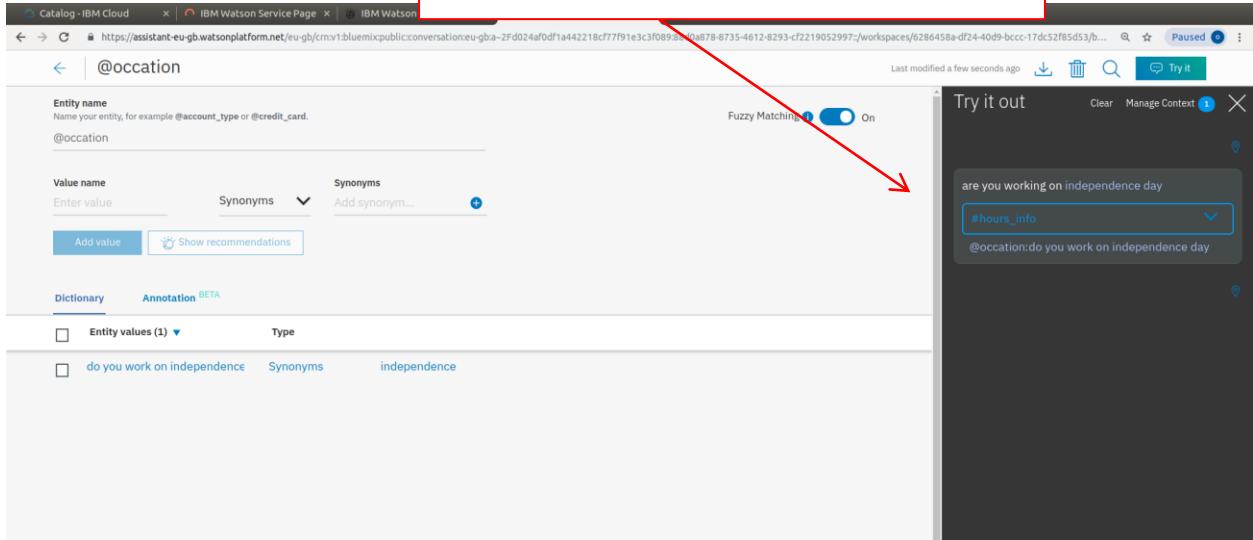
Finally Add Value

Try it out Clear Manage Context

hi
#greetings

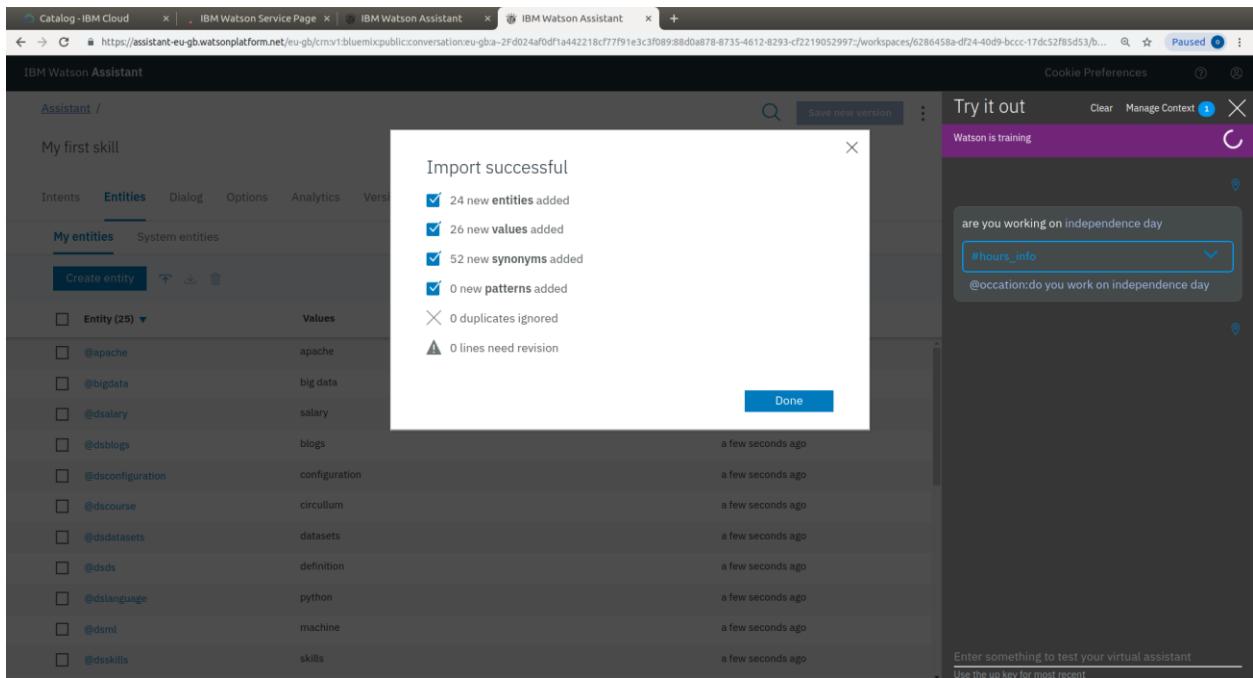
#data_science
#data_science

You can something into virtual assistant. That will display "intents"



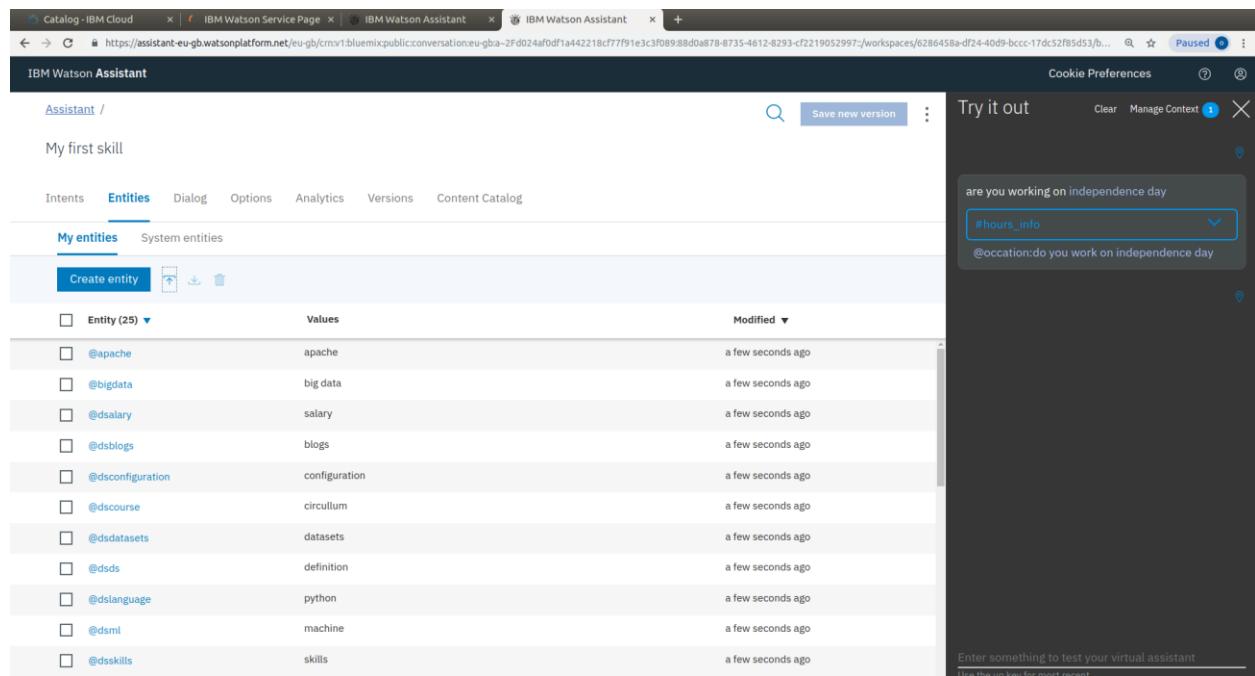
The screenshot shows the IBM Watson Entity Catalog interface. A red box highlights the text "You can something into virtual assistant. That will display 'intents'". A red arrow points from this box to the "Try it out" panel on the right. The "Try it out" panel shows a message: "are you working on independence day" followed by "#hours_info" and "@occation:do you work on independence day".

Go back to the My first skill and now you create entity similarly as show above or upload entities which are in .csv file.



The screenshot shows the IBM Watson Assistant interface. A modal window titled "Import successful" displays the following message: "24 new entities added", "26 new values added", "52 new synonyms added", "0 new patterns added", "0 duplicates ignored", and "0 lines need revision". The "Done" button is visible at the bottom of the modal. The main interface shows a list of entities under the "My entities" tab, including entries like "@apache", "apache", "@bigdata", "big data", "@dsalary", "salary", "@dsblogs", "blogs", "@dsconfiguration", "configuration", "@dscourse", "circullum", "@dsdatasets", "datasets", "@dsds", "definition", "@dslanguage", "python", "@dsml", "machine", and "@dsskills", "skills". The "Entities" tab is selected. The "Try it out" panel on the right shows the same message as the previous screenshot: "are you working on independence day" followed by "#hours_info" and "@occation:do you work on independence day".

- After uploading entities you can now find all entities which you uploaded listed below.



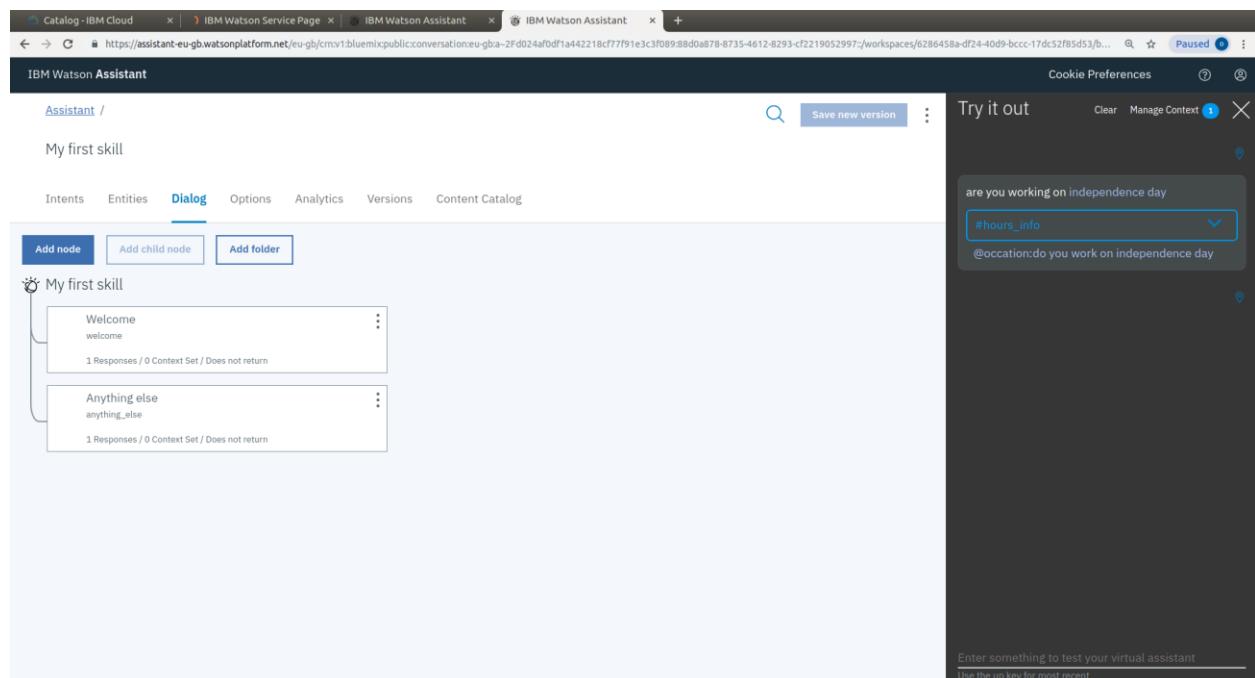
The screenshot shows the 'Entities' tab in the IBM Watson Assistant interface. A list of 25 entities is displayed in a table:

| Entity (25) ▾ | Values | Modified |
|------------------|---------------|-------------------|
| @apache | apache | a few seconds ago |
| @bigdata | big data | a few seconds ago |
| @dsalary | salary | a few seconds ago |
| @dsblogs | blogs | a few seconds ago |
| @dsconfiguration | configuration | a few seconds ago |
| @dscourse | circulum | a few seconds ago |
| @dsdatasets | datasets | a few seconds ago |
| @dsds | definition | a few seconds ago |
| @dslanguage | python | a few seconds ago |
| @dsml | machine | a few seconds ago |
| @dsskills | skills | a few seconds ago |

Step-19: Dialog Flow:

Where you can find “Add node”, “Add child node”, “Add folder”

- We need to create a dialog flow as shown below



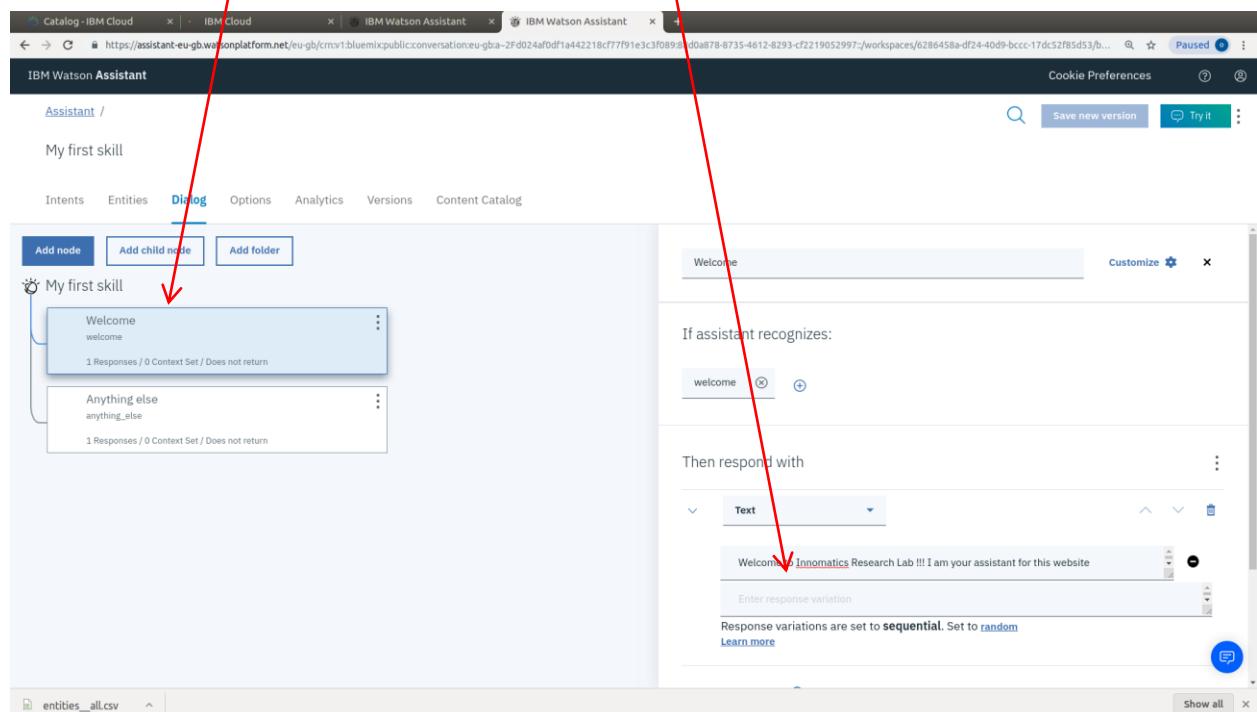
The screenshot shows the 'Dialog' tab in the IBM Watson Assistant interface. A dialog flow with two nodes is displayed:

```

graph TD
    Start(( )) --> Node1[Welcome  
welcome  
1 Responses / 0 Context Set / Does not return]
    Node1 --> Node2[Anything else  
anything_else  
1 Responses / 0 Context Set / Does not return]
    
```

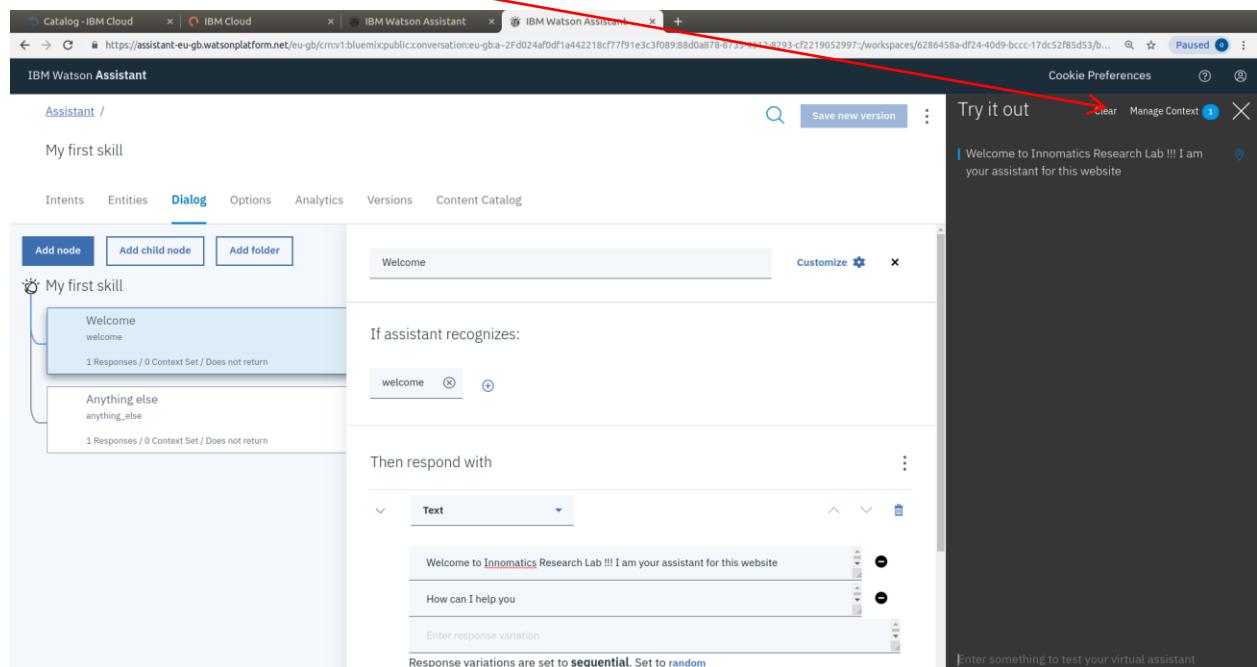
The 'Add node' button is highlighted in blue.

- Click on **Welcome**, you will get screen as shown below,
In Then respond with, use text and enter any value which will be welcome screen message.



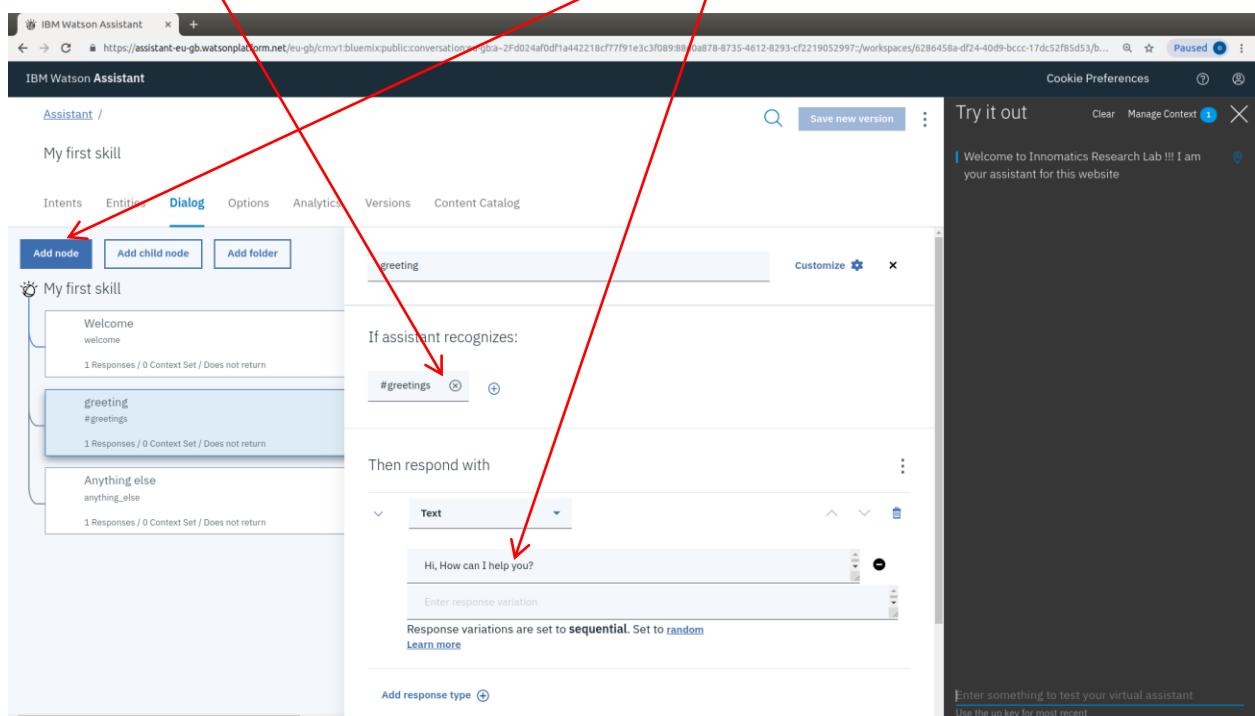
The screenshot shows the IBM Watson Assistant interface. The left sidebar shows a tree structure for 'My first skill' with two nodes: 'Welcome' and 'Anything else'. The 'Welcome' node is selected. The right panel shows the configuration for the 'Welcome' node under the 'If assistant recognizes:' section, with the pattern 'welcome'. The 'Then respond with' section is expanded, showing a 'Text' input field containing the message 'Welcome to Innomatics Research Lab !!! I am your assistant for this website'.

- In Try it, click on clear. Now you will get welcome screen message



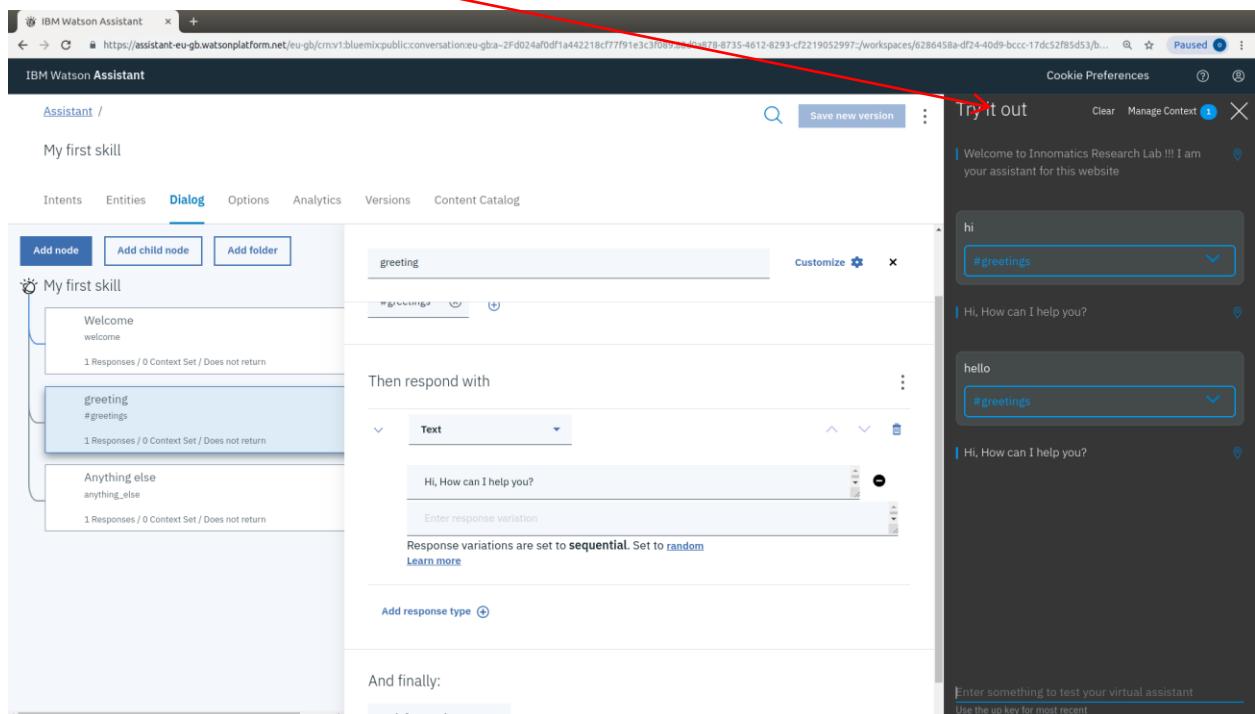
The screenshot shows the 'Try it out' section of the IBM Watson Assistant interface. The message 'Welcome to Innomatics Research Lab !!! I am your assistant for this website' is displayed in the preview area. A red arrow points from the 'clear' button in the top right corner of the preview area back to the message itself, indicating that clicking 'clear' will remove the message.

- You can create any number of nodes you want. Click on "Add node" and name with any name, now select the intent you want.
 Eg: greetings. If Watson recognizes this enter the respond you want.



The screenshot shows the IBM Watson Assistant interface. On the left, under 'My first skill', there are three nodes: 'Welcome' (intent: welcome), 'greeting' (intent: #greetings), and 'Anything else' (intent: anything_else). The 'greeting' node is currently selected. On the right, a 'Dialog' configuration panel is open for the 'greeting' node. It shows the intent '#greetings' and a response 'Text' containing 'Hi, How can I help you?'. Below the response, it says 'Response variations are set to sequential. Set to random' and 'Learn more'. At the bottom of the dialog panel, there is an 'Add response type' button. In the top right corner of the interface, there is a 'Try it out' section where the text 'hi' has been entered, and the response '#greetings' is shown.

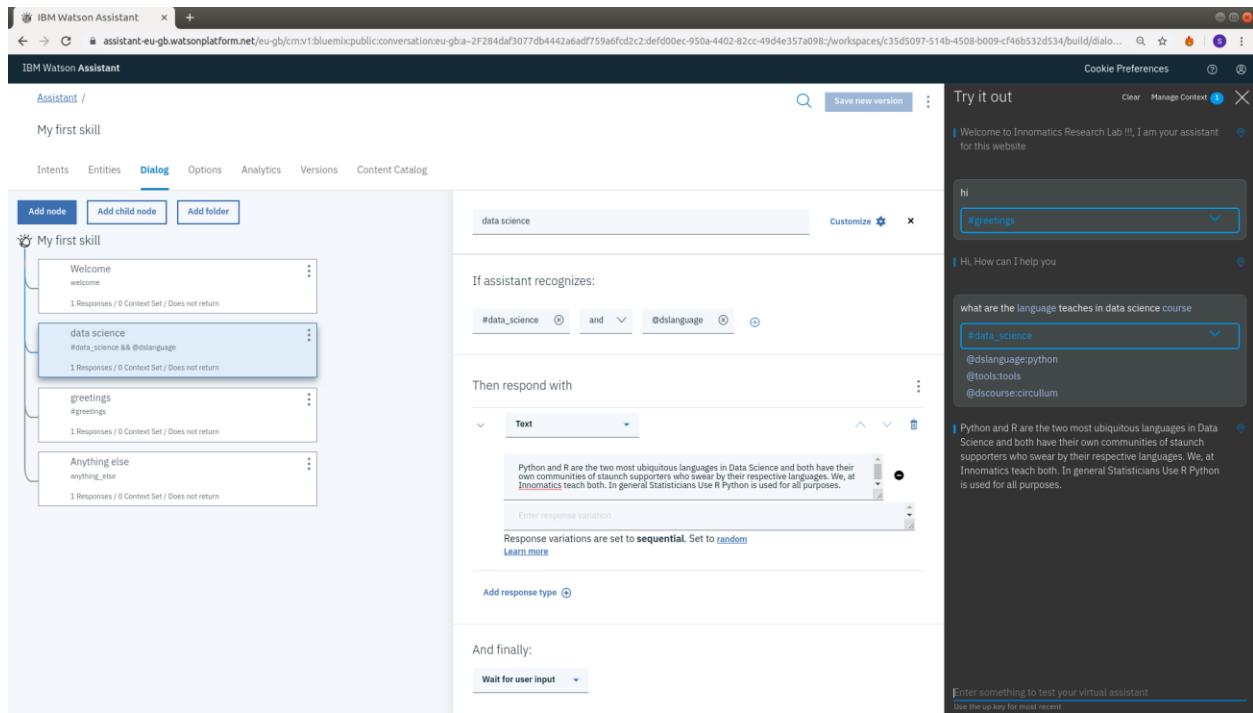
- You test with try it.



This screenshot shows the same IBM Watson Assistant interface after testing. The 'greeting' node is still selected. In the 'Then respond with' section, the response 'Text' is still 'Hi, How can I help you?'. In the 'Try it out' section, the user has typed 'hi' and the system has responded with '#greetings'. Below this, another message 'hello' has been typed, and the system has responded with '#greetings'. This demonstrates that the 'greeting' intent is correctly recognized and triggers the intended response.

→ You can create dialog flow with #intent and @entity

Test it in **Try it**

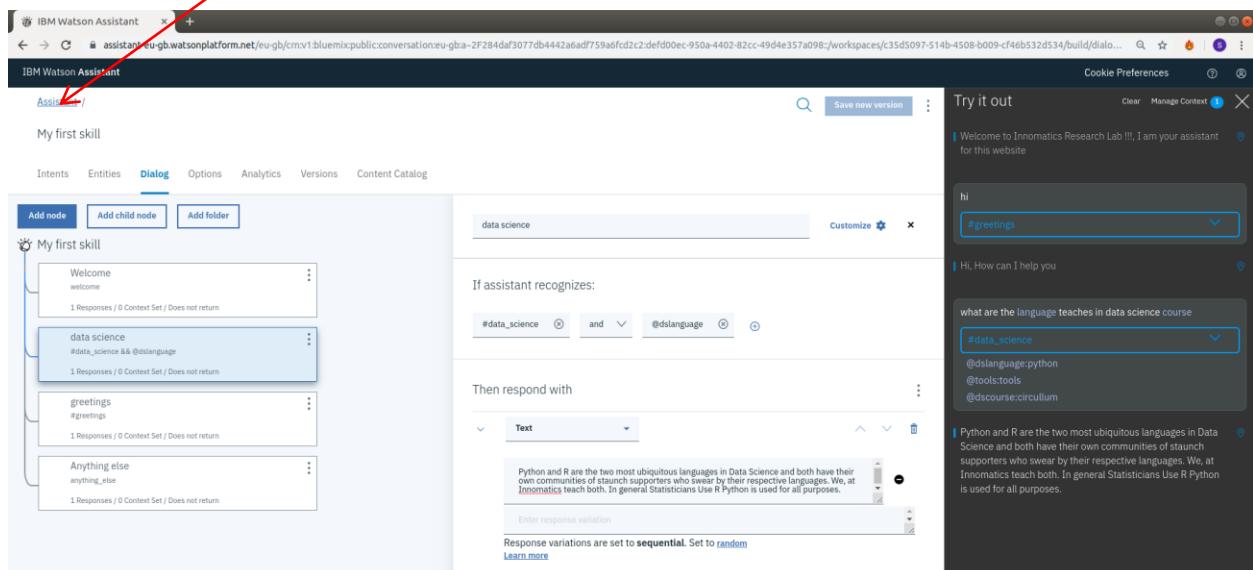


The screenshot shows the IBM Watson Assistant interface. On the left, under the 'Dialog' tab, there's a list of intents: 'Welcome', 'data science', 'greetings', and 'Anything else'. The 'data science' intent is selected. In the 'If assistant recognizes:' section, the condition '#data_science & @dslanguage' is set. The 'Then respond with' section contains a text message: 'Python and R are the two most ubiquitous languages in Data Science and both have their own communities of staunch supporters who swear by their respective languages. We, at Innomatics teach both. In general Statisticians Use R Python is used for all purposes.' Below this, there's a note about response variations and a 'Wait for user input' button.

and so on...

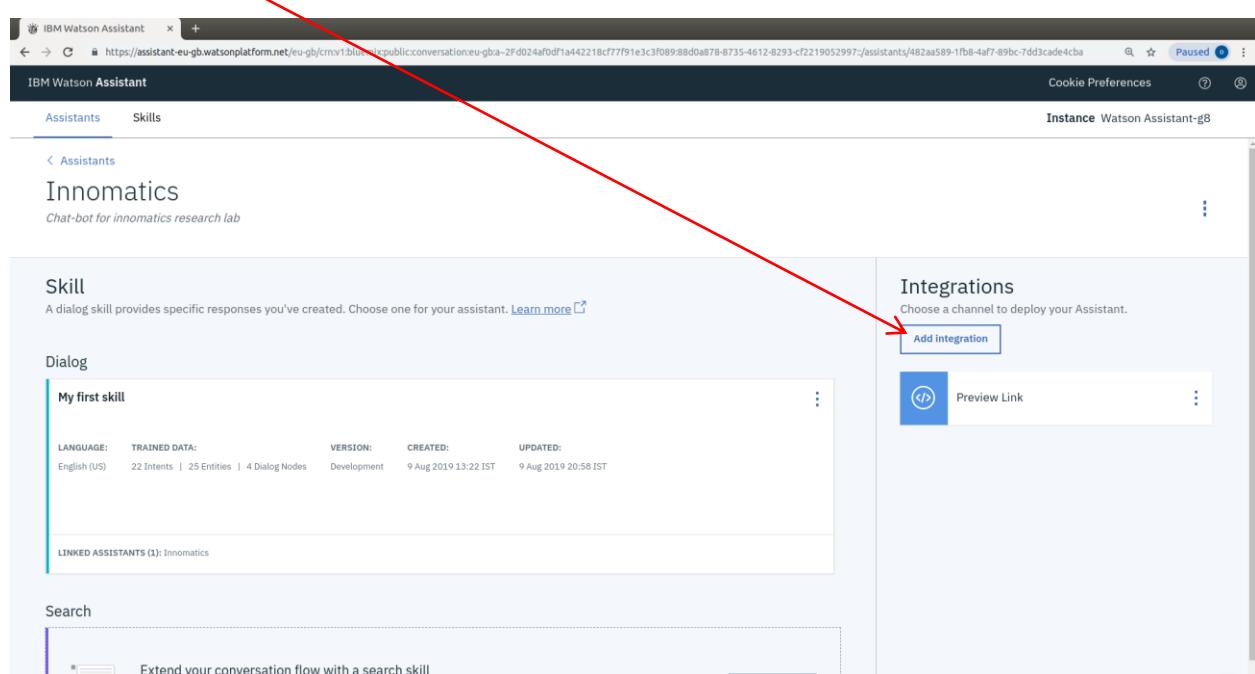
Step-20: Deployment

→ Click on Assistant



This screenshot is identical to the one above, showing the 'Assistant /' link highlighted with a red arrow. The rest of the interface, including the dialog flow and the 'Try it out' panel, remains the same.

- Add Integrations



IBM Watson Assistant Paused

https://assistant-eu-gb.watsonplatform.net/eu-gb/cmrvtbluemix/public/conversation/eu-gba-2Fd024af0df1a442218cf77f91e3c3f08988d0a878-8735-4612-8293-cf2219052997-/assistants/482aa589-1fb8-4af7-89bc-7dd3cade4cba

Cookie Preferences Instance Watson Assistant-g8

IBM Watson Assistant

Assistants Skills

< Assistants

Innomatics

Chat-bot for innomatics research lab

Skill
A dialog skill provides specific responses you've created. Choose one for your assistant. [Learn more](#)

Dialog
My first skill

LANGUAGE: English (US) TRAINED DATA: 22 Intents | 25 Entities | 4 Dialog Nodes VERSION: Development CREATED: 9 Aug 2019 13:22 IST UPDATED: 9 Aug 2019 20:58 IST

LINKED ASSISTANTS (1): Innomatics

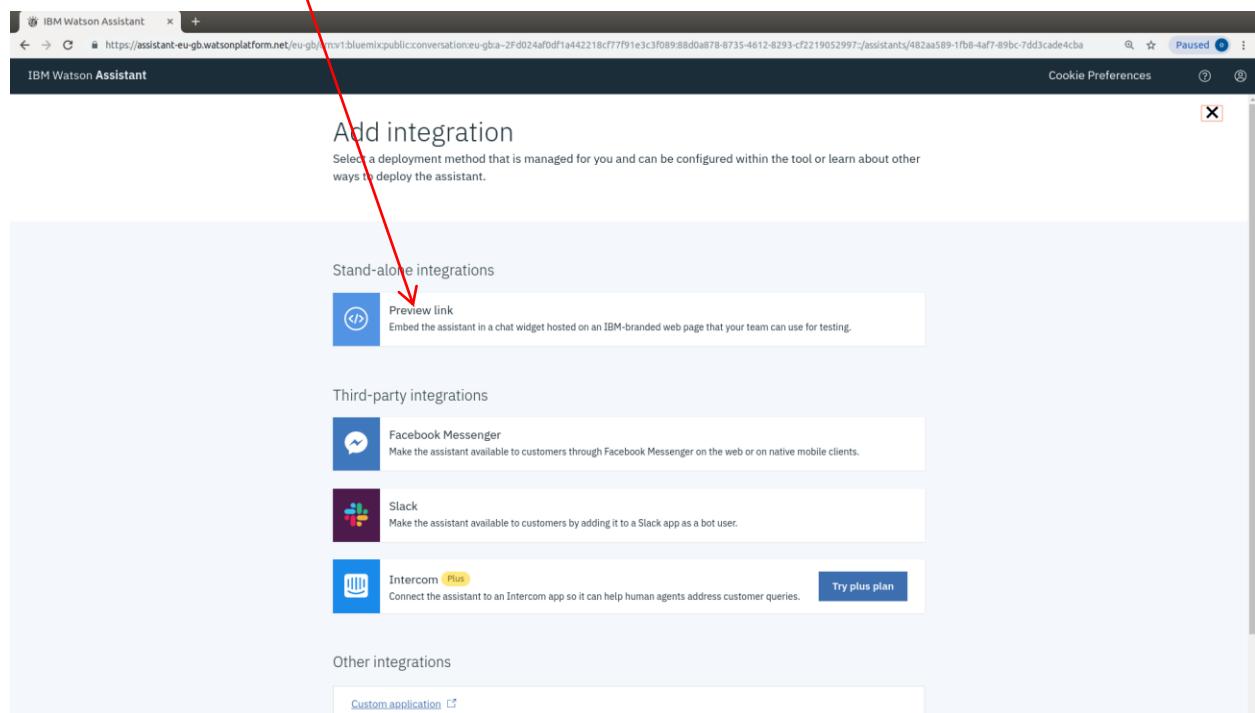
Search
Extend your conversation flow with a search skill

Integrations
Choose a channel to deploy your Assistant.

Add integration

Preview Link

- Click on **Preview link**



IBM Watson Assistant Paused

https://assistant-eu-gb.watsonplatform.net/eu-gb/cmrvtbluemix/public/conversation/eu-gba-2Fd024af0df1a442218cf77f91e3c3f08988d0a878-8735-4612-8293-cf2219052997-/assistants/482aa589-1fb8-4af7-89bc-7dd3cade4cba

Cookie Preferences

IBM Watson Assistant

Add integration

Select a deployment method that is managed for you and can be configured within the tool or learn about other ways to deploy the assistant.

Stand-alone integrations

 **Preview link**
Embed the assistant in a chat widget hosted on an IBM-branded web page that your team can use for testing.

Third-party integrations

 **Facebook Messenger**
Make the assistant available to customers through Facebook Messenger on the web or on native mobile clients.

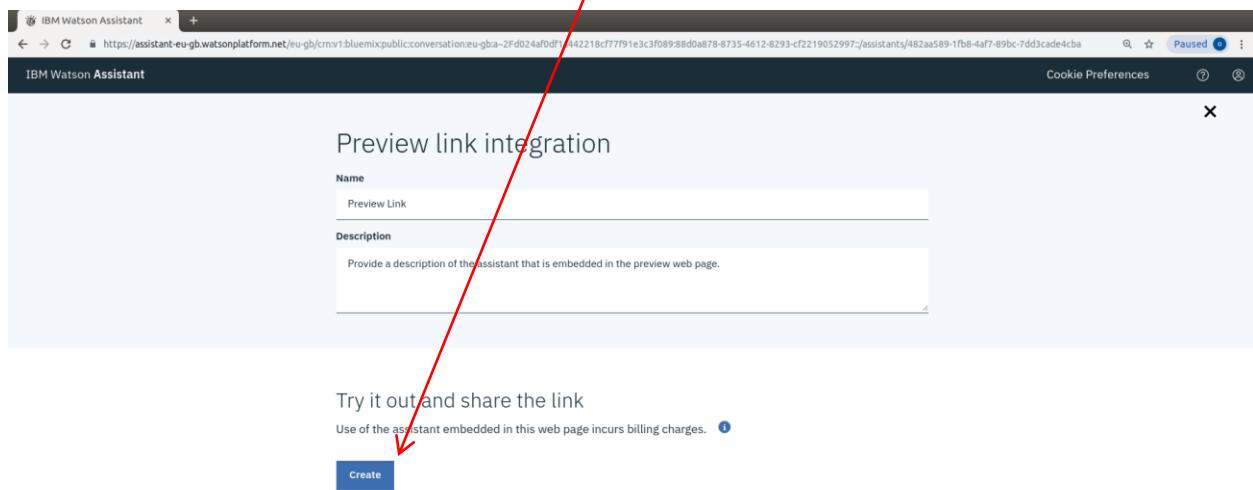
 **Slack**
Make the assistant available to customers by adding it to a Slack app as a bot user.

 **Intercom** Plus
Connect the assistant to an Intercom app so it can help human agents address customer queries. Try plus plan

Other integrations

 **Custom application**

- Enter the name and description and then create



IBM Watson Assistant

https://assistant-eu-gb.watsonplatform.net/eu-gb/cm/v1/bluemix/public/conversation.eu-gba-a-2Fd024af0df1a42218cf77f91e3c3f08988d0a878-8735-4612-8293-cf2219052997-/assistants/482aa589-1fb8-4af7-89bc-7dd3cad4cba

IBM Watson Assistant

Cookie Preferences

Preview link integration

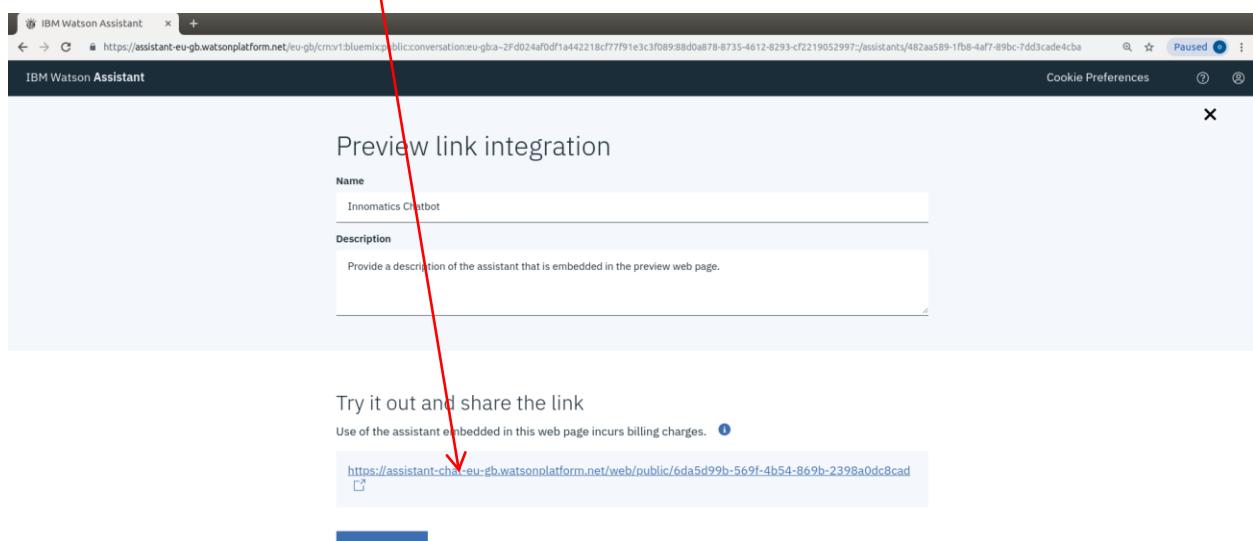
Name
Preview Link

Description
Provide a description of the assistant that is embedded in the preview web page.

Try it out and share the link
Use of the assistant embedded in this web page incurs billing charges.

Create

- Your chat bot is deployed successfully and you can share that link.



IBM Watson Assistant

https://assistant-eu-gb.watsonplatform.net/eu-gb/cm/v1/bluemix/public/conversation.eu-gba-a-2Fd024af0df1a42218cf77f91e3c3f08988d0a878-8735-4612-8293-cf2219052997-/assistants/482aa589-1fb8-4af7-89bc-7dd3cad4cba

IBM Watson Assistant

Cookie Preferences

Preview link integration

Name
Innomatics Chatbot

Description
Provide a description of the assistant that is embedded in the preview web page.

Try it out and share the link
Use of the assistant embedded in this web page incurs billing charges.

<https://assistant-chat-eu-gb.watsonplatform.net/web/public/6da5d99b-569f-4b54-869b-2398a0dc8cad>

Save changes

URL:

<https://assistant-chat-eu-gb.watsonplatform.net/web/public/e9fc0d82-1ae8-4de6-be7f-096b69cf215e>

Build your own assistant using
[IBM Watson Assistant](#)

Assistant preview

Welcome to Innomatics Research Lab
!!!, I am your assistant for this website

Friday, 9 August 2019 21:35

hi

Hi, How can I help you

what language teach in data science course

Python and R are the two most ubiquitous languages in Data Science and both have their own communities of staunch supporters who swear by their respective languages. We, at Innomatics teach both. In general Statisticians Use R Python is used for all purposes.

Type something... →

Thank you,

Innomatics Research Lab Teams
