

Integrating IBM Watson Assistant in Your Website and Hosting on Cloud Storage

Step 1: Create a Watson Assistant Service

1. Go to [IBM Cloud](https://cloud.ibm.com/) and log in or create an account.
2. Navigate to the IBM Cloud Dashboard.
3. Create a new Watson Assistant service instance.
 - Click on Create resource
 - Select "AI/Machine Learning" from the catalog.
 - Choose "WatsonX Assistant."
 - Select location
 - Select pricing plan as lite
 - Configure your service, and click "Create."
4. Open the Watson Assistant tool from the IBM Cloud Dashboard.
// You can see it under resource list menu on dashboard.

Step 2: creating actions and publishing your bot

1. Note down Credentials:
 - Navigate to the "Manage" tab in Watson Assistant.
 - Note down the API key and service URL provided in the credentials. These will be used for authentication in your website.
2. Launch Your Assistant:
 - Open Watson Assistant.
 - Click on the "Assistant" tab.
3. Create a New Assistant:
 - Click on the "+" icon to create a new assistant.
 - Fill in the necessary details.
4. Your Assistant is Ready:
 - Your new assistant is now created and ready for customization.
6. Create and Integrate Action
 - In the sidebar, choose the "Actions" menu.
 - Click on "Create Action."

- Choose to start from scratch or use templates. For simplicity, start with templates.
- Select a template that suits your requirements.
- Add the template to your assistant.
- In the sidebar, click on the publish icon to publish the changes.
- Create a new version.

7. Configure Web Chat Integration

- Go to Integrations In the sidebar, select "Integrations.
- Choose the "Web Chat" integration.
- Select the draft environment for the integration.
- Customize the style of the web chat according to your preferences.
- In the integration settings, navigate to the "Embed" section.
- Copy the provided script. This script is needed to embed the chat into your HTML file.

Step 3: hosting your website

- Select "Cloud Object Storage" from the resource list on your cloud provider's console.
- Click on "Create Bucket" to create a storage bucket for hosting your website.
- Choose the option to "Host a Static Website."
- Add a unique bucket name for your website.
- If your index.html file is ready, upload it to the root of your bucket.
- Upload any other documents or assets your website requires.
- In the sidebar menu, find your created bucket under the "Instances" or "Buckets" menu.
- Navigate to "Access Policies" within your bucket settings.
- Under "Objects," you'll see a list of your uploaded files. You can add new files and folders.
- Move to the "Permissions" section.
- Set the role for this bucket as "Writer" to allow modifications.
- Ensure "Public Access" is set to "Object Reader" to allow public access to your files.
- Click on the "Details" menu for your bucket.
- Under the "Primary Endpoint" heading, you will find the link to your hosted website.
- Adjust the steps based on your cloud provider's interface and options.

Step 4: Create HTML File

1. Create an HTML file for your website (e.g., `index.html`).
2. Include the Watson Assistant script in the `` section of your HTML file.

```
<!-- Script to load Watson Assistant Chat -->

<script>
  window.watsonAssistantChatOptions = {
    integrationID: "YOUR ID", // The ID of this integration.
    region: "YOUR REGION", // The region your integration is hosted in.
    serviceInstanceID: "YOUR ID", // The ID of your service instance.
    onLoad: async (instance) => { await instance.render(); }
  };
  setTimeout(function(){
    const t=document.createElement('script');
    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>
```

3. Upload your HTML file, including any associated files (e.g., images) to the cloudobjectstorage.
4. Make the HTML file publicly accessible. Set appropriate permissions and obtain the public URL.

Step 5: Test Your Integration

1. Open the hosted HTML file in a web browser.