
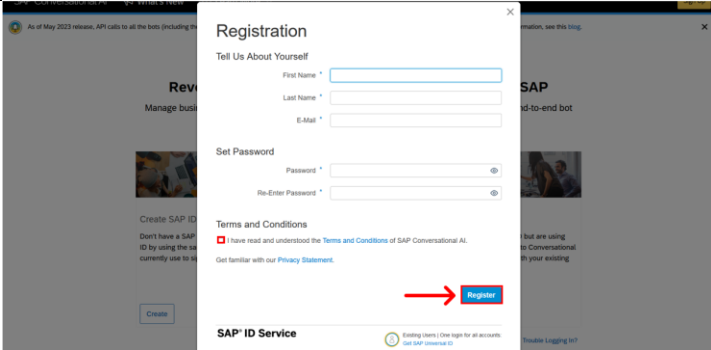
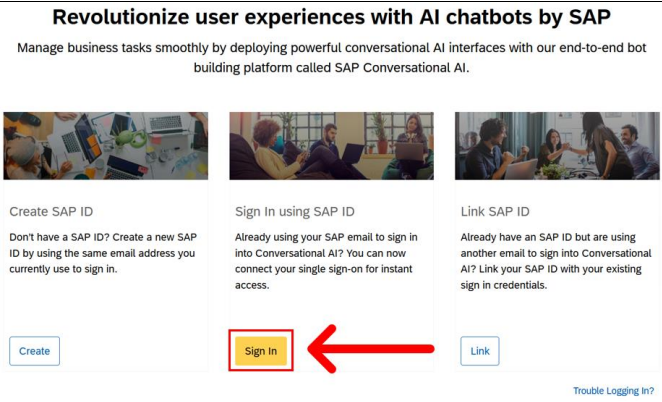
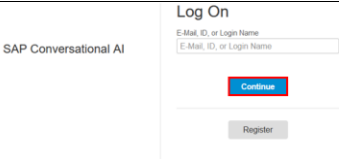


# Connect a Weather Chatbot to the OpenWeather API with SAP Conversational AI

a bot that tells the weather by consuming API's to retrieve information

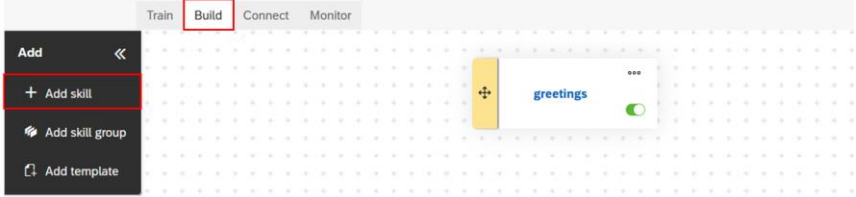
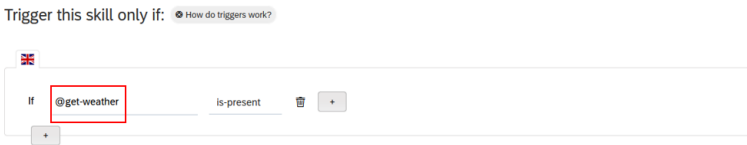
## Create New Bot and Intent



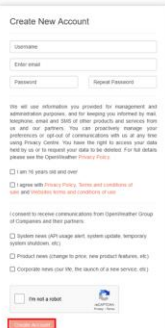
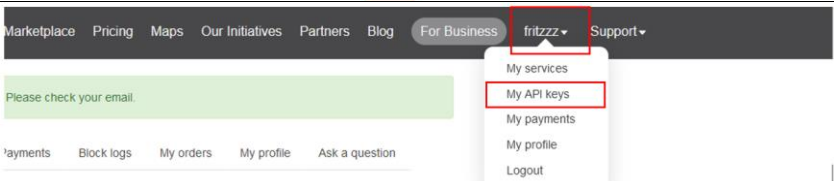

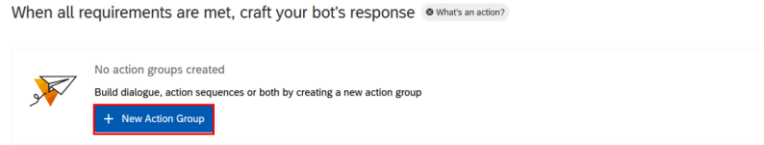
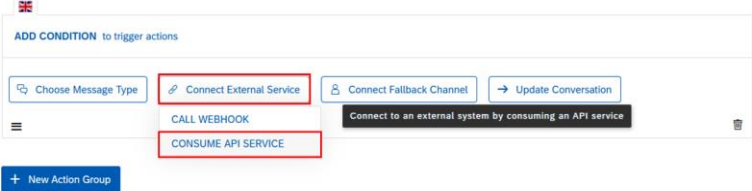
go to <a href="https://cai.tools.sap/">https://cai.tools.sap/</a>  Click on <b>Sign up</b>	
Fill up the information  Check the Terms and Condition  Click on <b>Register</b>  It will send email on your email to validated account	
Or you can use your SAP ID account to <b>Sign in</b>	
Fill up the Log on form  Click the <b>Continue</b>	
Put your password  Click <b>Sign in</b>	

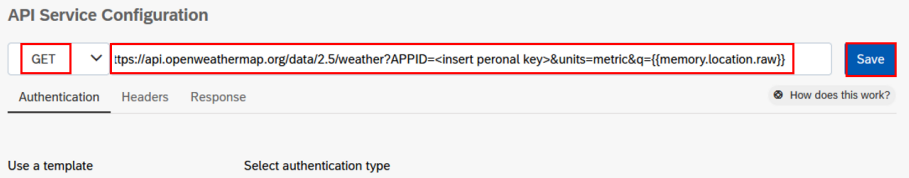
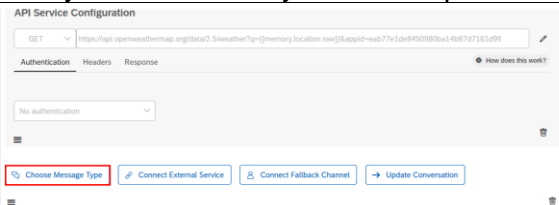
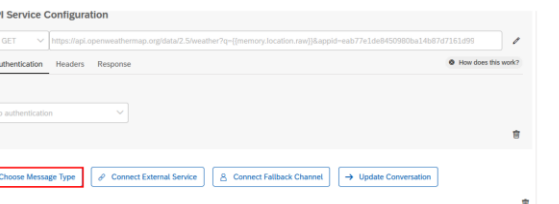
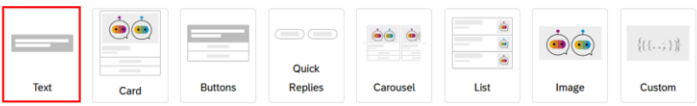
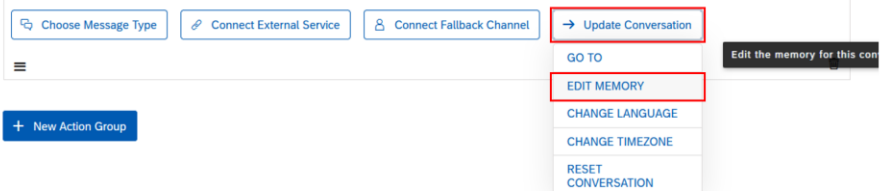
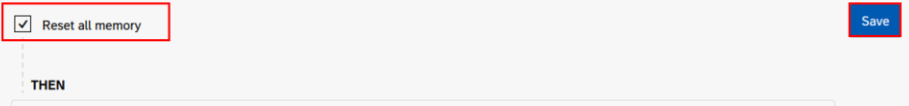
<p>Select <b>Perform Actions</b></p>	<p>1 What do you want your chatbot to do?</p> <div> <div> <p>Perform Actions using conversational flows Intent based</p> </div> <div> <p>Retrieve Answers from FAQ documents FAQ</p> </div> </div> <p>Create</p>
<p>Select <b>Greetings</b></p>	<p>2 Select predefined skills for your bot</p> <div> <div> <p>Greetings</p> </div> <div> <p>Small Talk</p> </div> <div> <p>Weather</p> </div> <div> <p>Customer Satisfaction</p> </div> <div> <p>Set Alarm</p> </div> </div>
<p>Put the <b>name</b> and <b>description</b> of your bot</p>	<p>3 Create your bot</p> <p>jmlalisan / <b>weatherman</b></p> <p>Description (optional) <b>Bot that can tell a weather</b></p> <p>Topics (optionally categorize your bot with up to 6 topics to improve your bot training) Add topics</p> <p>Try: Customer support · Food and beverage · Telecommunications</p> <p>Default language (your bot is multilingual, you can add more languages later on) English Advanced</p>
<p>in type of data Select <b>Non-Personal</b></p> <p>Select <b>Store</b> conversation data</p>	<p>4 Data Policy</p> <p>Type of data Select the most restrictive type of data used by your bot. Note that health-related data is not allowed.</p> <p><input checked="" type="radio"/> <b>Non-personal</b></p> <p><input type="radio"/> Personal</p> <p><input type="radio"/> Sensitive Personal</p> <p><input type="radio"/> Health</p> <p>Data retention: unlimited duration</p> <p>Store conversation data Select whether you want to store your user's conversations. Learn how this affects monitoring and connect.</p> <p><input checked="" type="radio"/> <b>Store (recommended)</b> Store your user's conversations to improve and monitor your bot.</p> <p><input type="radio"/> Do not store Do not store your user's conversations. This will heavily impact monitoring and connect features.</p>
<p>Tick <b>Public</b> as Bot Visibility</p> <p>Click <b>Create</b></p>	<p>5 Bot visibility</p> <p><input checked="" type="radio"/> <b>Public</b> Your bot is open to everyone</p> <p><input type="radio"/> Private Your bot is private and accessible only by you and the developers you decide to share it with</p> <p>Create</p>
<p>Click <b>+New Intents</b></p>	<p>new topics</p> <p>Train Build Connect Monitor Settings</p> <p>Intents Entities</p> <p>Your training Today 05/18/23 at 05:31:19 finished successfully on Today 05/18/23 at 05:31:23</p> <p>TIPS Hey there! I can help you to improve your bot, please follow the instructions to train your bot well!</p> <p>Create and manage your intents</p> <p>Your intents What's an intent?</p> <p>Search and fork an intent from the community Search <b>+ New Intent</b></p> <p>© 2023 Amazon. All rights reserved. Amazon and the Amazon logo are trademarks of Amazon.com, Inc. or its affiliates. All other trademarks are the property of their respective owners.</p>




## Create and Manage Skill

<p>Click on <b>Build</b> tab</p> <p>Click + <b>Add Skill</b></p>	
<p>Put the name and the type of the skill</p> <p>Name: <b>get-weather</b></p> <p>Type: <b>Floating</b></p> <p>Hit <b>Add</b></p>	
<p>Click on the skill we created</p> <p><b>get-weather</b></p>	
<p>Click on <b>Triggers</b> tab</p>	
<p>Add trigger <b>@get-weather</b></p> <p>Select <b>is-present</b></p> <p>Hit <b>Enter</b></p>	
<p>Go to <b>Requirements</b> tab</p>	

Put <b>#location</b> as requirements and <b>location</b> as memory variable	<p>Primary requirements</p> <p>Select which information the skill must gather before executing actions</p>  <p>Secondary requirements</p> <p>Choose additional information the skill can attempt to gather before executing actions</p>  <pre>memory : {   location : {     confidence: 0.84,     formatted: "41000 Blois, France",     lat: 47.58609209999999,     lng: 1.3359475,     place:       "ChLjXdlIISVX40cR5Ck4BdlDQQ",     country: "fr",     raw: "Blois",     type: "locality"   } }</pre> <p>Filled with mock data</p>
<b>Create OpenWeather account for personal API Key</b>	
Go to <a href="https://home.openweathermap.org/users/sign_up">https://home.openweathermap.org/users/sign_up</a>	
Fill up required fields  Click <b>Create Account</b>	
Hover on your <b>username</b> Select <b>My API Keys</b>	
Save your API Key	
<b>Go back to cai.tools.sap</b>	
Go to <b>Action</b> tab	
Click on + <b>New Action Group</b>	
Click <b>Connect External Service</b>  Select <b>Consume API Service</b>	

<p>Select <b>Get</b></p> <p>Paste the URL for the API below</p> <p>Click <b>Save</b></p>	
<p>https://api.openweathermap.org/data/2.5/weather?q={{memory.location.raw}}&amp;appid=&lt;insert personal key&gt;</p> <p>Change &lt;insert personal key&gt; to your own API Key from the Open Weather api</p>	
<p>Click on <b>Choose Message Type</b></p>	
<p>Click on <b>Choose Message Type</b></p>	
<p>Select <b>Text</b></p>	
<p>Add the following text below</p>	
<p>In {{memory.location.raw}} current temperature is {{api_service_response.default.body.main.temp}} degree celcius but it feels like {{api_service_response.default.body.main.feels_like}} degree celcius and the humidity is {{api_service_response.default.body.main.humidity}} %.</p>	
<p>Click on <b>Update Conversation</b></p> <p>Select Edit Memory</p>	
<p>Tick <b>Reset all Memory</b></p> <p>Click <b>Save</b></p>	

## Test Bot

<p>Click <b>Chat Preview</b> on the bottom left</p> <p>Chat <b>weather in manila</b> {location}</p>	
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