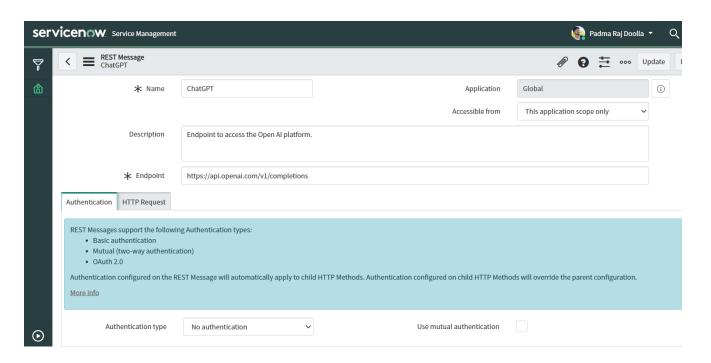
Integrating Service Now Virtual Agent with Chat-GPT Open AI

Step1: Accessing Open AI platform, follow the below steps

- 1. Register with Open AI platform for accessing the API of new AI models developed by OpenAI. https://platform.openai.com/account/api-keys
- 2. After successfully creating your account in OpenAI, simply log in with your credentials and generate an API key.

Step2: Create Rest Message in ServiceNow to integrate with Open AI platform, follow the below steps

Navigate to "Rest Message" under "System Web Services", create a new Rest message with following endpoint. Endpoint: https://api.openai.com/v1/completions



Create a new "POST" HTTP method under Rest message and update the following.

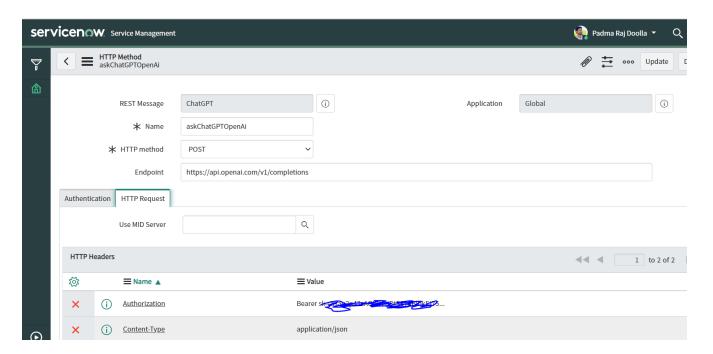
HTTP Headers:

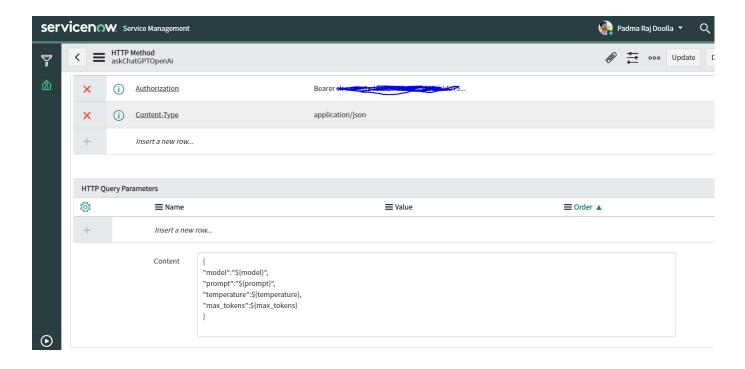
Authorization: Bearer "Api-key" (Generated in Open AI platform)

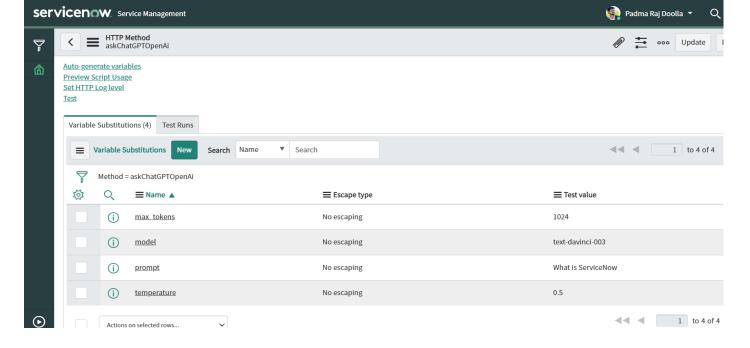
Content-Type: application/json

Update the content as stated following where temperature(parameter which is the focus degree of the ChatGPT model), max_tokens(supports a maximum of 4,000 tokens approximately 3,000 words), model(Model referred to

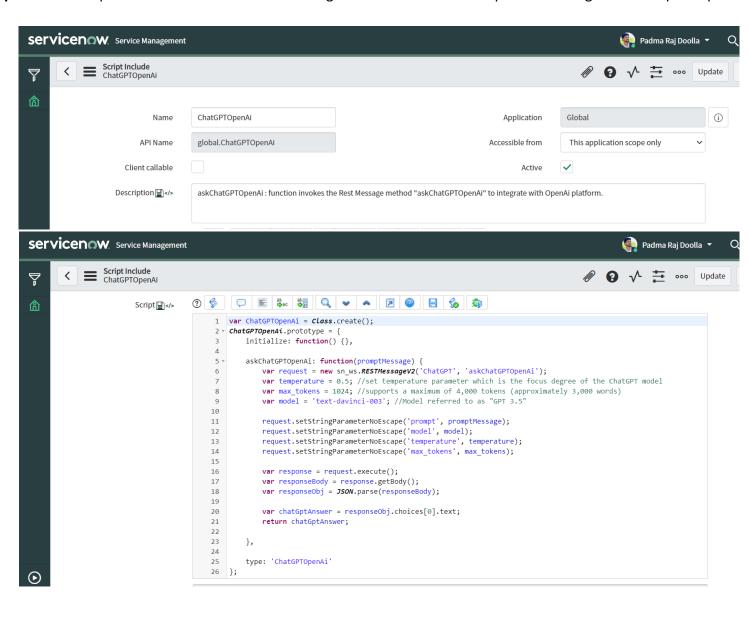
as "GPT 3.5") and hit on Auto-generate variables.





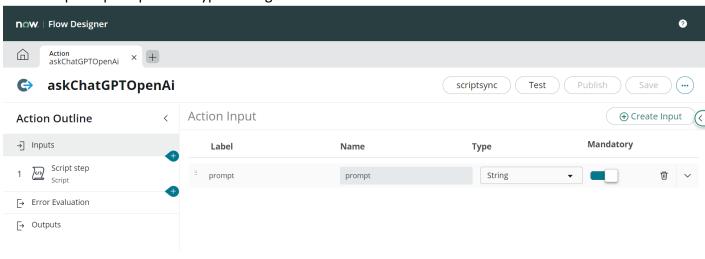


Step3: Create Script include to invoke the rest message method "askChatGPTOpenAi" to integrate with OpenAi platform...



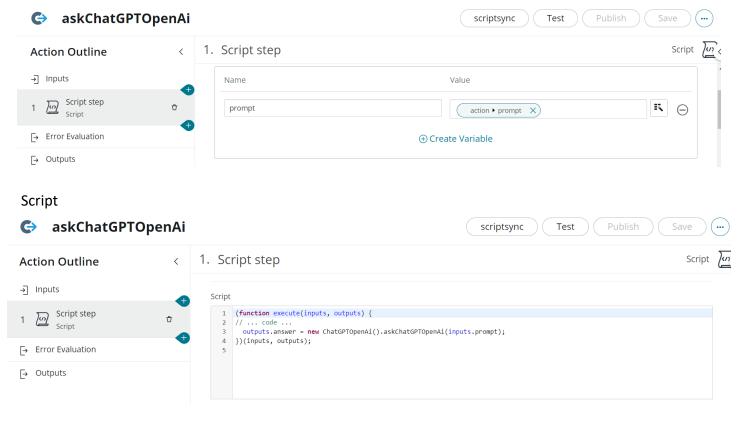
Step4: Create Flow-Designer Action as following

Action Inputs "prompt" with type "String".

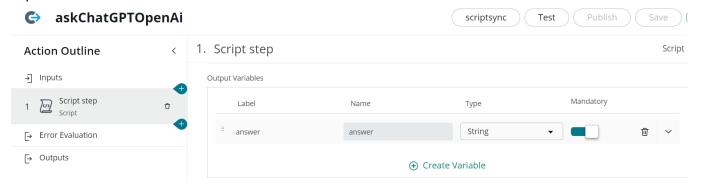


Script Step to invoke the script include function with Input variables and output variables which will further invoke the integration with OpenAl

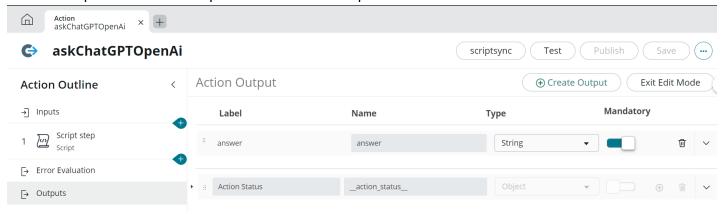




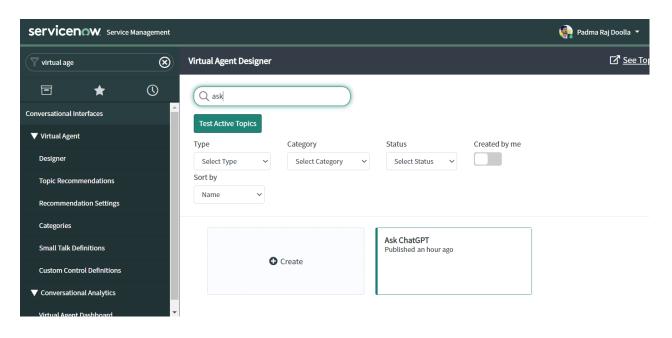
Output Variables



Action Output to store the response received from Open AI.



Step5: Create a Virtual Agent topic "Ask ChatGPT" in Virtual agent designer.

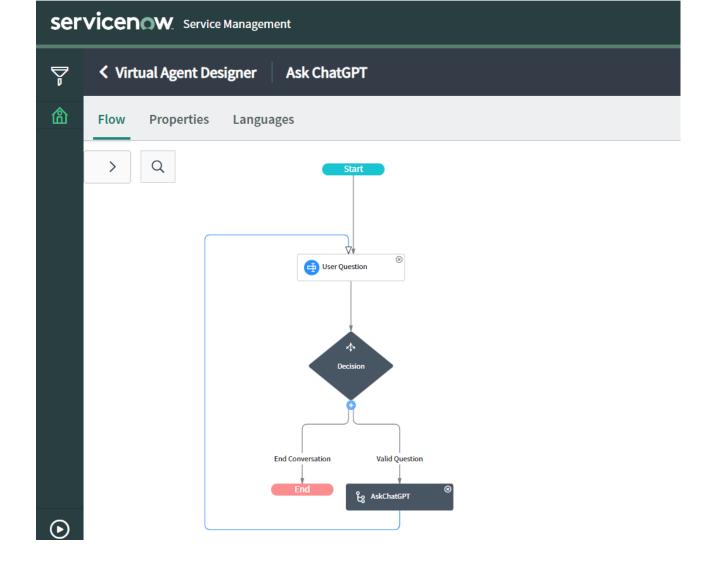


Following are the Nodes:

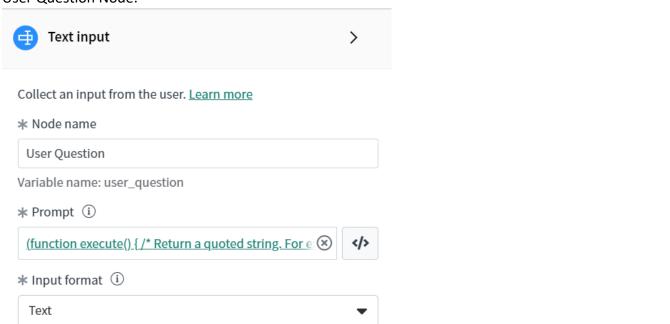
User Question: Text Input to receive the prompt from End User.

Decision: Either to End the Conversation or send the input prompt to "AskChatGPT"

AskChatGPT: Action Utility to invoke the Flow designer action created in Previous step.



User Question Node:



Valid Question condition Condition All of these conditions must be met Ø **User Question** does not contain end conversation Θ or and OR goodbye Ø Θ **User Question** does not contain or and **User Question** does not contain end chat Ø Θ and or New Criteria Cancel Save **End Conversation condition** Condition All of these conditions must be met Ø end conversation Θ **User Question** contains or and OR end chat Ø Θ **User Question** contains and **User Question** contains goodbye Ø Θ and **New Criteria** Cancel Save AskChatGPT Action Utility Action utility > * prompt (string) Ø Input Variables → User Question Trigger automated workflows created in Flow Designer or downloaded as an IntegrationHub spoke. Learn more **Output mapping** * Node name AskChatGPT Enable Name Variable Name (i) * Invoke Flow Designer object (i) ○ Subflow answer Action Answer (string) * Spoke **Action Status**

X v

× •

(object)

(boolean)

Don't Treat as Error

Global

* Action

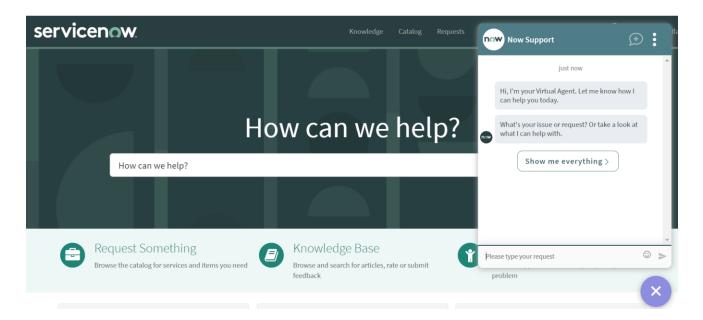
askChatGPTOpenAi

Open in Flow Designer for details: askChatGPTOpenAi (i)

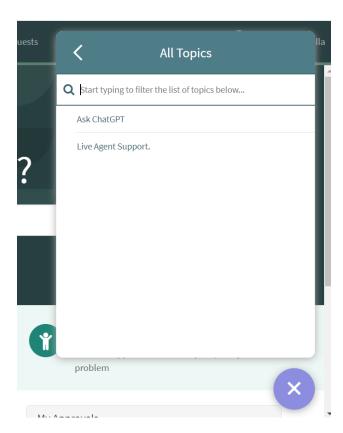
Action Status

Don't Treat As Error

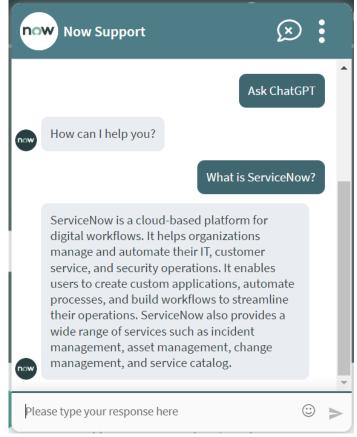
Final OutCome from ServiceNow Virtual Agent

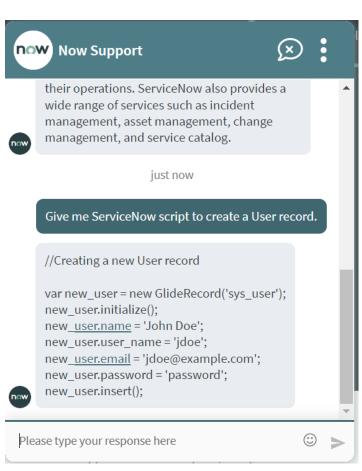


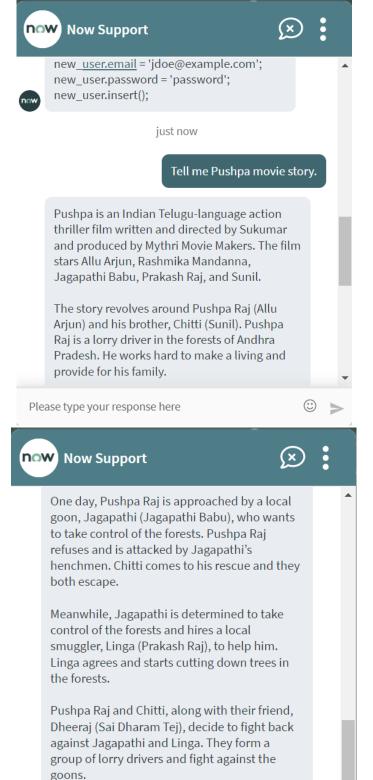
Hit on Show me everything selet "Ask ChatGPT" or type in "Ask ChatGPT" and hit enter to ask OpenAI.

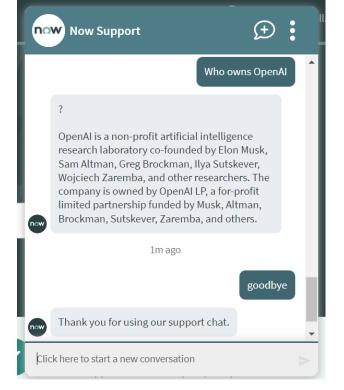


The moment you selected "Ask ChatGPT", it will prompt you "How can I help you?", Now it's time to start conversation with **ChatGPT**. Below are some random questions and you will see the responses from OpenAI









Thank You.