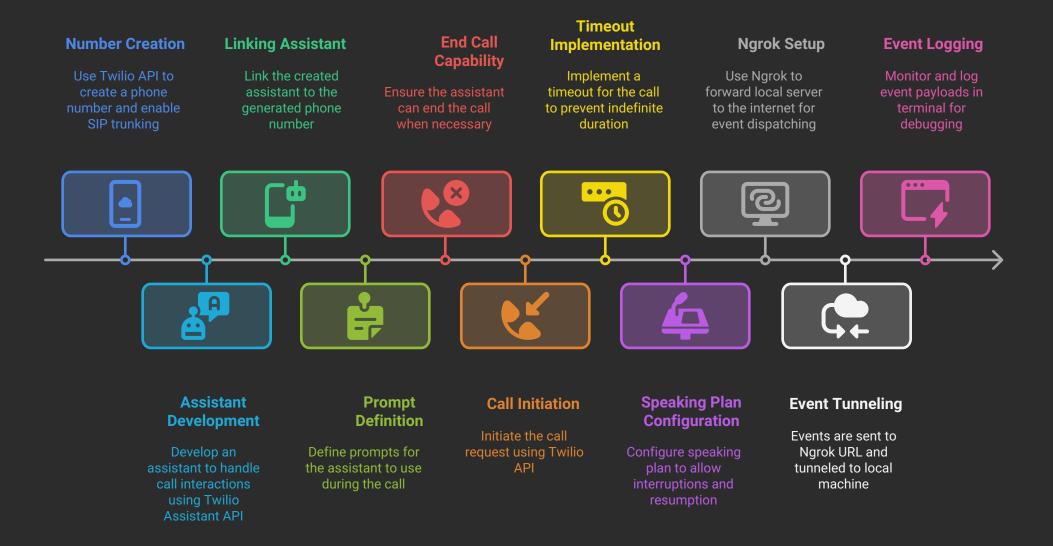# ⌕ Making a Call with Vapi

This document outlines the steps required to set up a call using Twilio, including generating a number, creating an assistant, and handling events through Ngrok. The process involves enabling SIP trunking, attaching an assistant to the number, and managing call events effectively.

Steps to Make a Call with Vapi

Number Creation
Use Twilio API to create a phone number and enable SIP trunking

Linking Assistant
Link the created assistant to the generated phone number

End Call Capability
Ensure the assistant can end the call when necessary

Timeout Implementation
Implement a timeout for the call to prevent indefinite duration

Ngrok Setup
Use Ngrok to forward local server to the internet for event dispatching

Event Logging
Monitor and log event payloads in terminal for debugging

Assistant Development
Develop an assistant to handle call interactions using Twilio Assistant API

Prompt Definition
Define prompts for the assistant to use during the call

Call Initiation
Initiate the call request using Twilio API

Speaking Plan Configuration
Configure speaking plan to allow interruptions and resumption

Event Tunneling
Events are sent to Ngrok URL and tunneled to local machine

Steps to Make a Call

1. **Generate a Number**
   Use Twilio's API to create a phone number and enable SIP trunking for that number through POST requests.

2. **Create an Assistant**
   Develop an assistant that will handle the call interactions. This can be done using Twilio's Assistant API.

3. **Attach the Assistant to the Number**
   Link the created assistant to the generated phone number so that it can handle incoming calls.

4. **Give Prompts to the Assistant**
   Define the prompts that the assistant will use during the call. This could include greetings, questions, or instructions.

5. **Attach End Call Tool to the Assistant**
   Ensure that the assistant has the capability to end the call when necessary by attaching the end_call tool.

6. **Make the Call Request**
   Initiate the call request using Twilio's API, specifying the necessary parameters.

7. **Add Timeout Seconds**
   Implement a timeout for the call to ensure that it does not last indefinitely.

8. **Add Speaking Plan**
   Configure the speaking plan to allow for interruptions while speaking and to resume speaking afterward. This will enhance the interaction quality.

9. **Set Up Ngrok for Event Dispatching**
   When Vapi dispatches events to a server, ensure that it can reach the server via the open Internet. Use Ngrok to forward your local server to the internet.

10. **Tunnel Events to Local Machine**
    The events will be sent to the Ngrok URL, which will tunnel them to your local machine.

11. **Log Event Payloads**
    Monitor the event payloads that come through locally and log them in your terminal for debugging and analysis.

By following these steps, you can successfully set up a call using Twilio, manage interactions through an assistant, and handle events effectively using Ngrok.