

Conversational voice agent with LiveKit)

↳ opensource

① Imports

- dotenv
- agents from livekit
- livekit.agents
 - ↳ Agent
 - AgentSession
 - RunContext
- livekit.agents.llm
 - ↳ function tool
- livekit.plugins
 - ↳ openai
 - ↳ deepgram
 - ↳ silero
- datetime → dateutil
- os

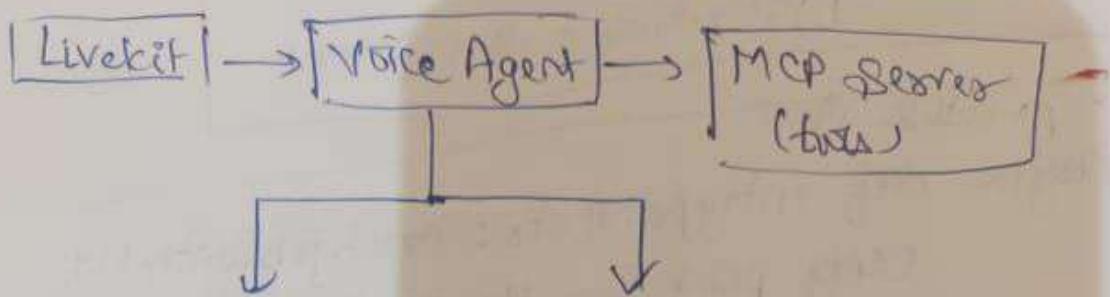
② Show Agent class

Class

Assistant(Agent):

(Basic voice assistant with Airbnb booking cap)

* Adding basic tool to our voice agent.



2.

class Assistant(Agent):

 @function_tool

 async def get_current_date_and_time(self,

 context: RunContext) ->

 "Get current date & time"

 current_datetime = datetime.now().strftime("%Y-%m-%d %H:%M:%S")

 "Return f'Current date & time is {now}'" %

• Add tool to search for latest information from
internet

① --Unit-- →

Instructions = syn.prompt

② ^{outside class}
async def entrypoint(ctx: AgentJobContext):
entry point for the agent
session = AgentSession(

stt = deepgram.STT(model='mova-2')

llm = openai.LLM(model='gpt')

tts = openai.TTS voice=echo

VAD = silent.VAD.boundary

)

await session.start()

word = ctx.word;

agent = Assistant()

await session.generate_reply()

instructions = "Greet the user warmly"

③

--name-- = "Main":

agents di.serve(app=agents.WorkerOptions(entrypoint=
fnk=entrypoint))