🦜🔗 LangChain 103

Austin LangChain Users Group

Agenda

- Mixer
- Welcome Message
- News & Announcements
- Showcase
- Labs

Welcome - Austin LangChain

- Local Austin LangChain User Group
  - Twitter - @AustinLangChain
  - Github - https://github.com/colinmcnamara/austin_langchain
  - Meetup - https://www.meetup.com/austin-lanchain-ai-group/
  - Discord - https://discord.gg/fjQfpwcsZX
  - Youtube - https://www.youtube.com/@AustinLangChain
  -
- Monthly in person meetings & workshops
- Low stress, learning and sharing
- Connect with other early adopters
- Learn, Share, Grow

- CoC - **Be cool** to each other, no gross behavior

Austin LangChain delivers 101 workshop

- Austin LangChain Workshop
- Delivering 101 @ AI in Action
- Streaming version available next week

News and Announcements

- LangChain-Core and LangChain-Community Developments - path to 0.1! - https://blog.langchain.dev/the-new-langchain-architecture-langchain-core-v0-1-langchain-community-and-a-path-to-langchain-v0-1/
- Austin LangChain Members present LangChain 101 at AI in Action - https://www.colinmcnamara.com/langchain-101-at-ai-in-action-2023/
- LangServe templates hub released - https://templates.langchain.com/
- LangCHain and Redis cloud collaborate on OpenGPTs - Redis Cloud Powers LangChain OpenGPTs Project (datanami.com)

Call for Papers

- Present your work!
- Learn together!
- Improve on an introduced concept!
- https://forms.gle/n71mGkc1GM2sdeqM6

Showcase!

Karim Lalani

- Introduction to LangChain
- https://github.com/colinmcnamara/austin_langchain/blob/main/labs/Langchain_Introduction/Langchain_Introduction.ipynb

Showcase!

Ricky Pirruccio

- Streamlit introduction
- https://github.com/colinmcnam
  ara/austin_langchain/blob/mai
  n/labs/LangChain_101/101-4-s
  treamlit_introduction.ipynb

LAB 103-1 Docker Introduction

- Required: Docker on your computer
- Repo: https://github.com/colinmcnamara/austin_langchain/
- Notebook: https://github.com/colinmcnamara/austin_langchain/blob/main/labs/LangChain_103/103-1-docker_introduction.md
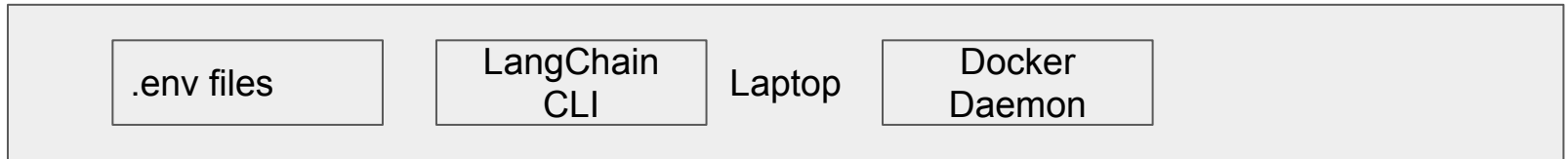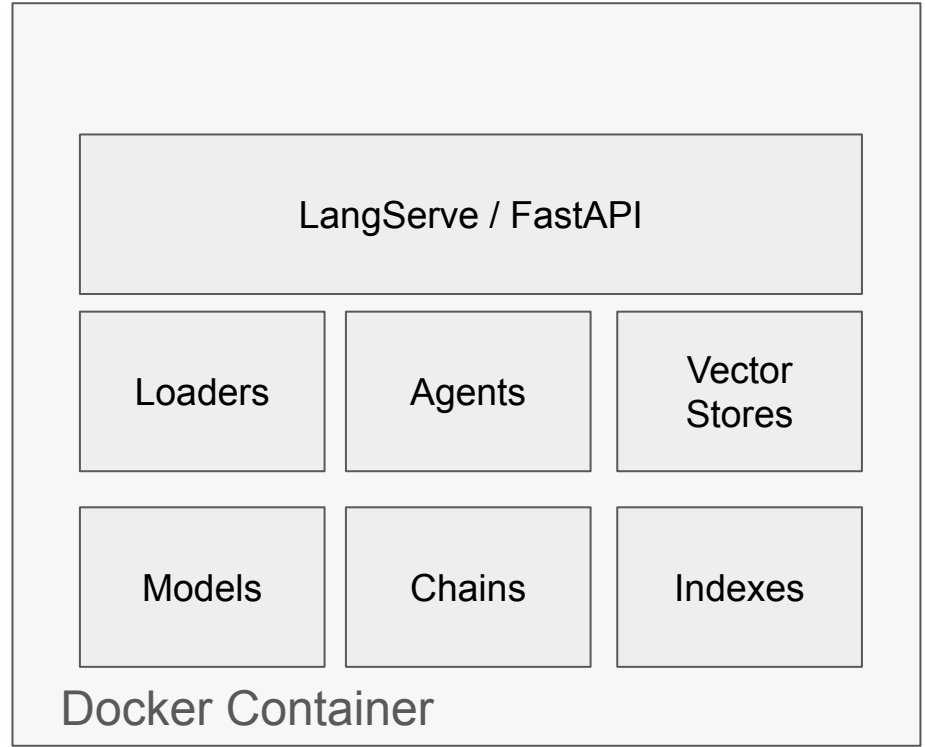
LAB 103-2 LangServe in Docker

- Required: Docker on your computer
- Repo: https://github.com/colinmcnamara/austin_langchain/
- Notebook:
  https://github.com/colinmcnamara/austin_langchain/blob/main/labs/LangChain_103/103-2-langserve_on_docker.md

Lab103-2

- Sample ~/.env = sample.env
- Build docker from langserve template
- Add a new app
- Interact with playground
- Copy docs into ChatGPT or Copilot and create a streamlit front end

LangServe / FastAPI

Loaders	Agents	Vector Stores
Models	Chains	Indexes

Docker Container

.env files | LangChain CLI | Laptop | Docker Daemon

Thank you - Please Join

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