

#### **LLM TRAINING**

Build and Productionize LLM-Powered Applications with Ray & Anyscale







## Meet the tutorial team!



Marwan
marwan@anyscale.com



Adam
adamb@anyscale.com



Kamil kamil@anyscale.com



Here's what to expect today.





## Today's agenda.

- Retrieval-augmented generation from first principles
- Why host open source LLMs with Ray?
- Accelerate AI inference for higher speed, lower cost
- Combine Vector DBs + Ray for semantic search at scale
- Productionize an end-to-end LLM application with Ray



## Key ingredients:

- Anyscale Workspace (most important) login here first!
- Pinecone free tier token (optional)
  - o sign up at app.pinecone.io
  - place in pinecone.txt next to the notebooks
- Optional: if you have an OpenAI API key, place it in openai.txt next to the notebooks (only used in 1 demo)

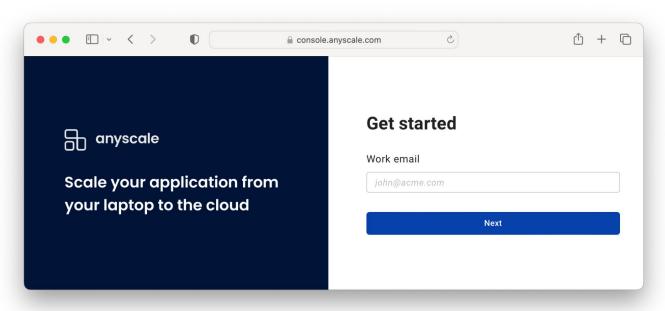


## Accessing Anyscale clusters.

- All work will be in Anyscale provisioned clusters.
- Our GitHub repo will be mounted automatically.
- Access begins now.
  - Check your email for login information.
  - Step-by-step instructions to follow.

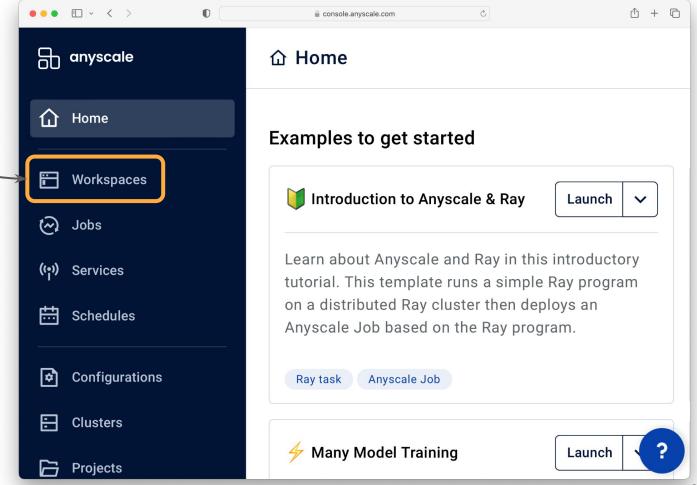
# Anyscale login

Link to Anyscale cluster: console.anyscale.com

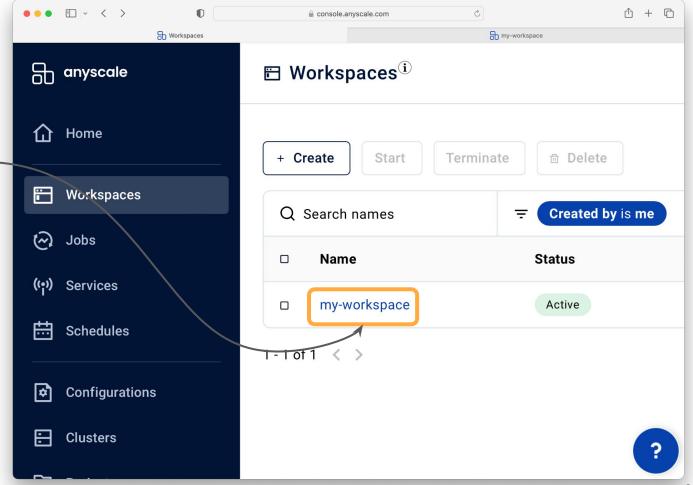


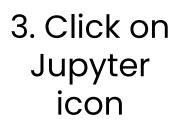
Enter the unique credentials sent to your email!

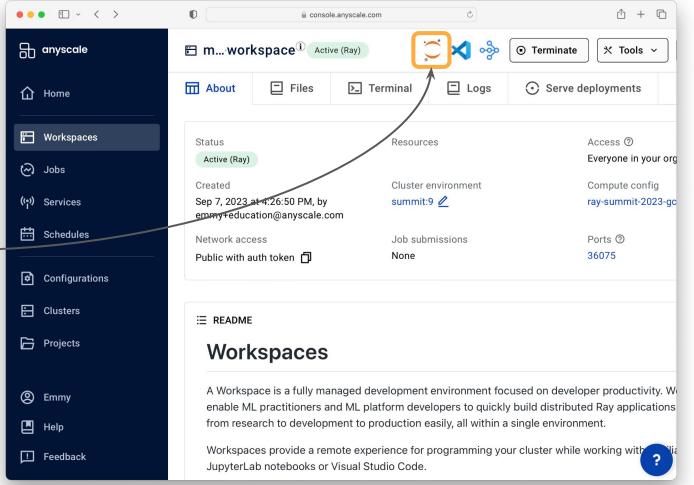
## 1. Select Workspaces

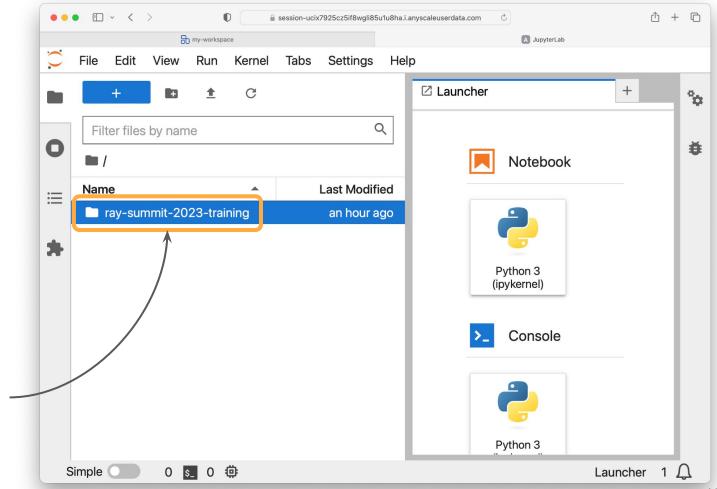


### 2. Select Your Workspace









4. Find the content for your class here.

# Time for a Break!

15 minutes.



- **IDENTIFY AND SET OF SE**
- Mow to build and orchestrate RAG with Ray
- Why Ray simplifies LLM apps in prod, at scale

## **More Resources**

For further exploration with Ray, Anyscale, and LLMs.





- Online at <u>training.anyscale.com</u>
- Preview special technical content releases from the whole team!





## Ray Education GitHub

Access bonus notebooks and scripts about Ray.



### Ray documentation

API references and user guides.



## **Anyscale Blogs**

Real world use cases and announcements.



### YouTube Tutorials

Video walkthroughs about learning LLMs with Ray.



## Connect with the community.



Attend events, subscribe to newsletter, follow on Twitter.



Get support

Join Ray Slack, ask questions on forum, open an issue.



Read contributor quide, create a pull request.

# Thank you!

We hope to meet again.

