Productionizing

AI + LLM Apps with Ray Serve

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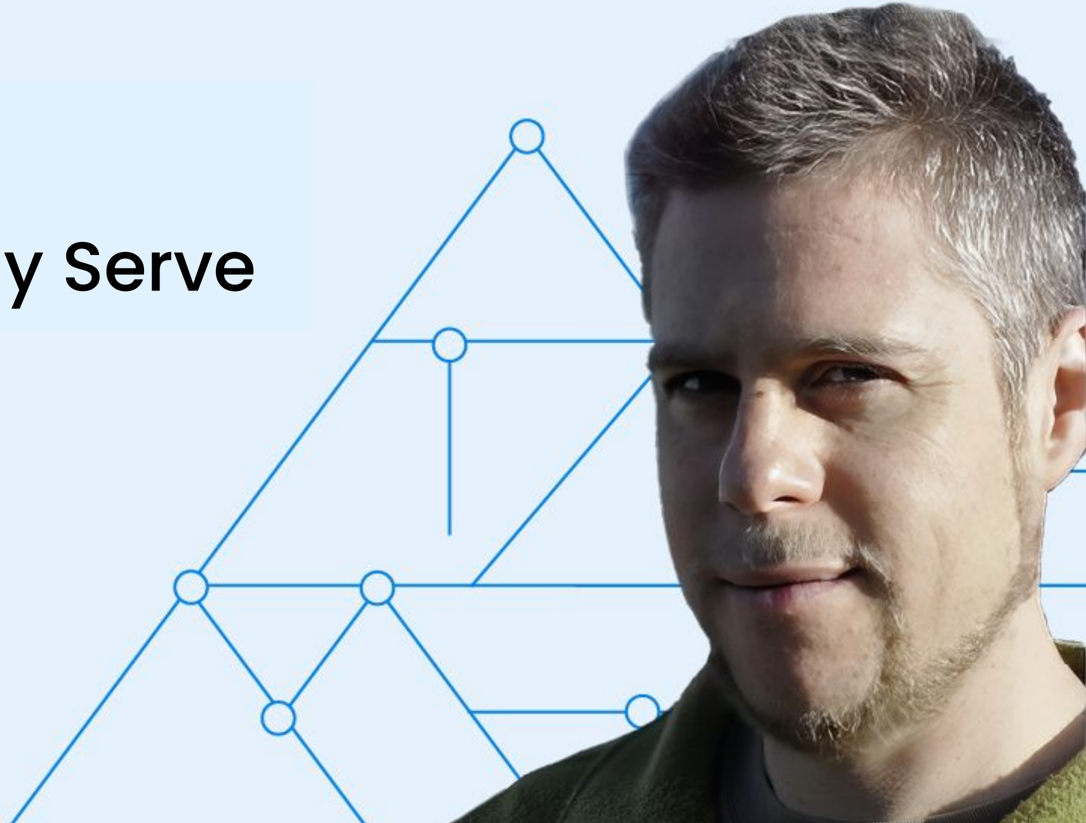
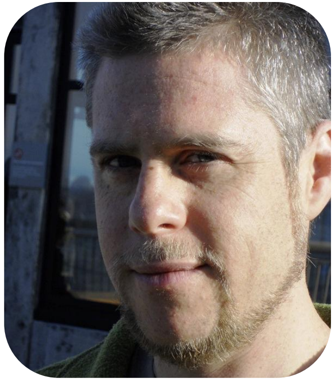


🧑‍💻 Meet the tutorial team!

Marwan

marwan@anyscale.com



Adam

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📋 The Plan

Here’s what to expect today.

📅 Today’s agenda.

- What is Ray Serve?
- Why use Ray and Ray Serve for scalable AI?
- Build complex ML applications with Ray + Serve
- Under the hood: features for powering production apps
- Architecture options, hands-on labs, and Q&A

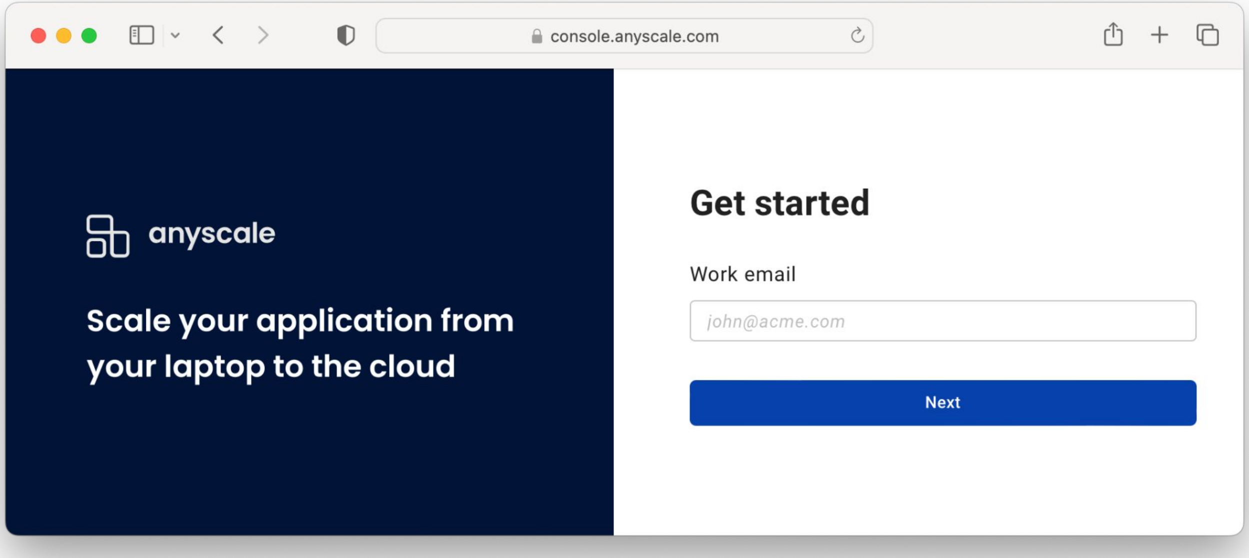
✅ Tech check.

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



Scale your application from your laptop to the cloud

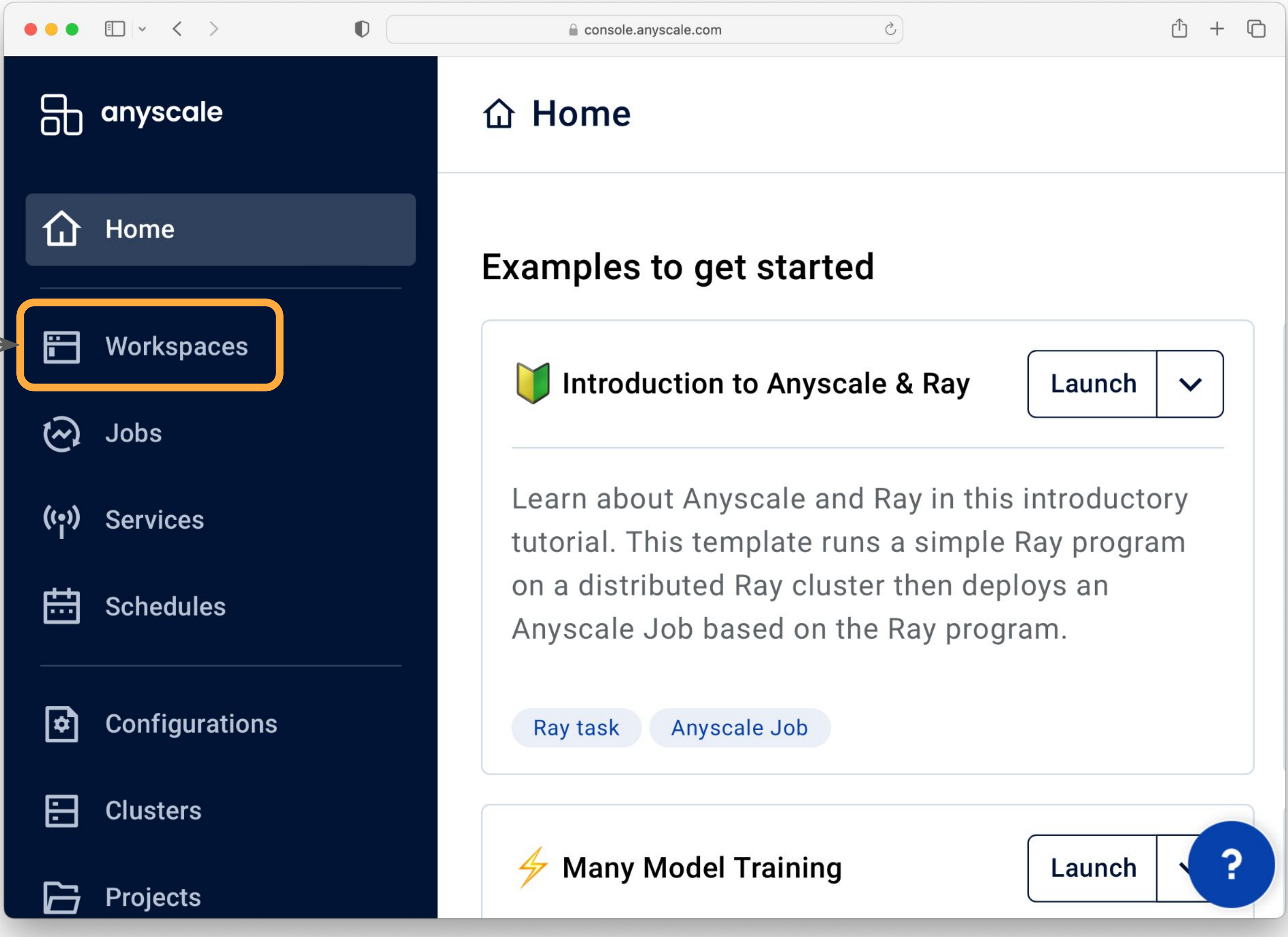
Get started

Work email

john@acme.com

Enter the **unique credentials** sent to your email!

1. Select Workspaces



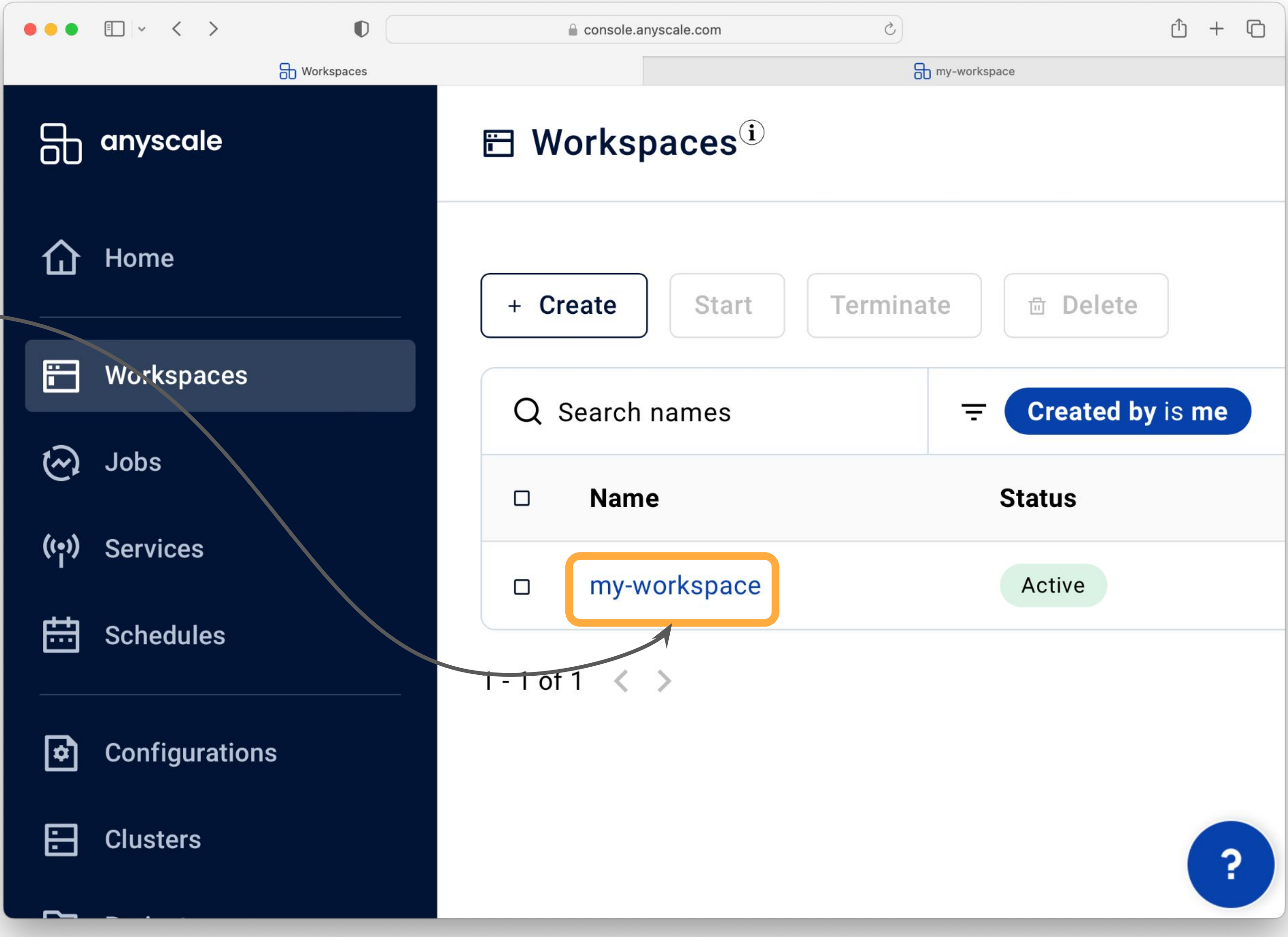
Examples to get started

Introduction to Anyscale & Ray

Learn about Anyscale and Ray in this introductory tutorial. This template runs a simple Ray program on a distributed Ray cluster then deploys an Anyscale Job based on the Ray program.

Many Model Training

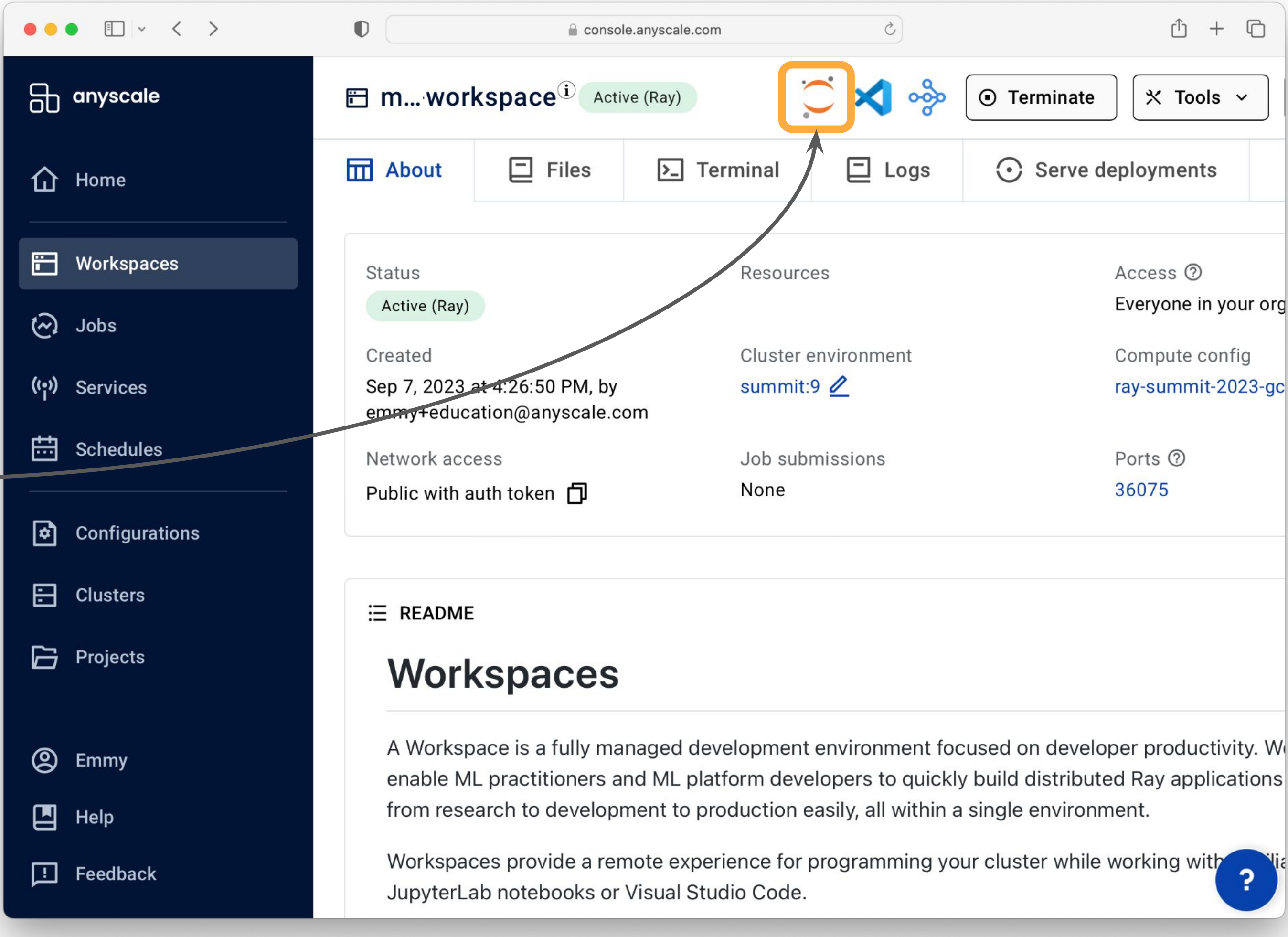
2. Select Your Workspace



□	Name	Status
□	my-workspace	Active

1 - 1 of 1

3. Click on Jupyter icon



Status
Active (Ray)

Resources

Access
Everyone in your org

Created
Sep 7, 2023 at 4:26:50 PM, by emmy+education@anyscale.com

Cluster environment
summit:9

Compute config
ray-summit-2023-gc

Network access
Public with auth token

Job submissions
None

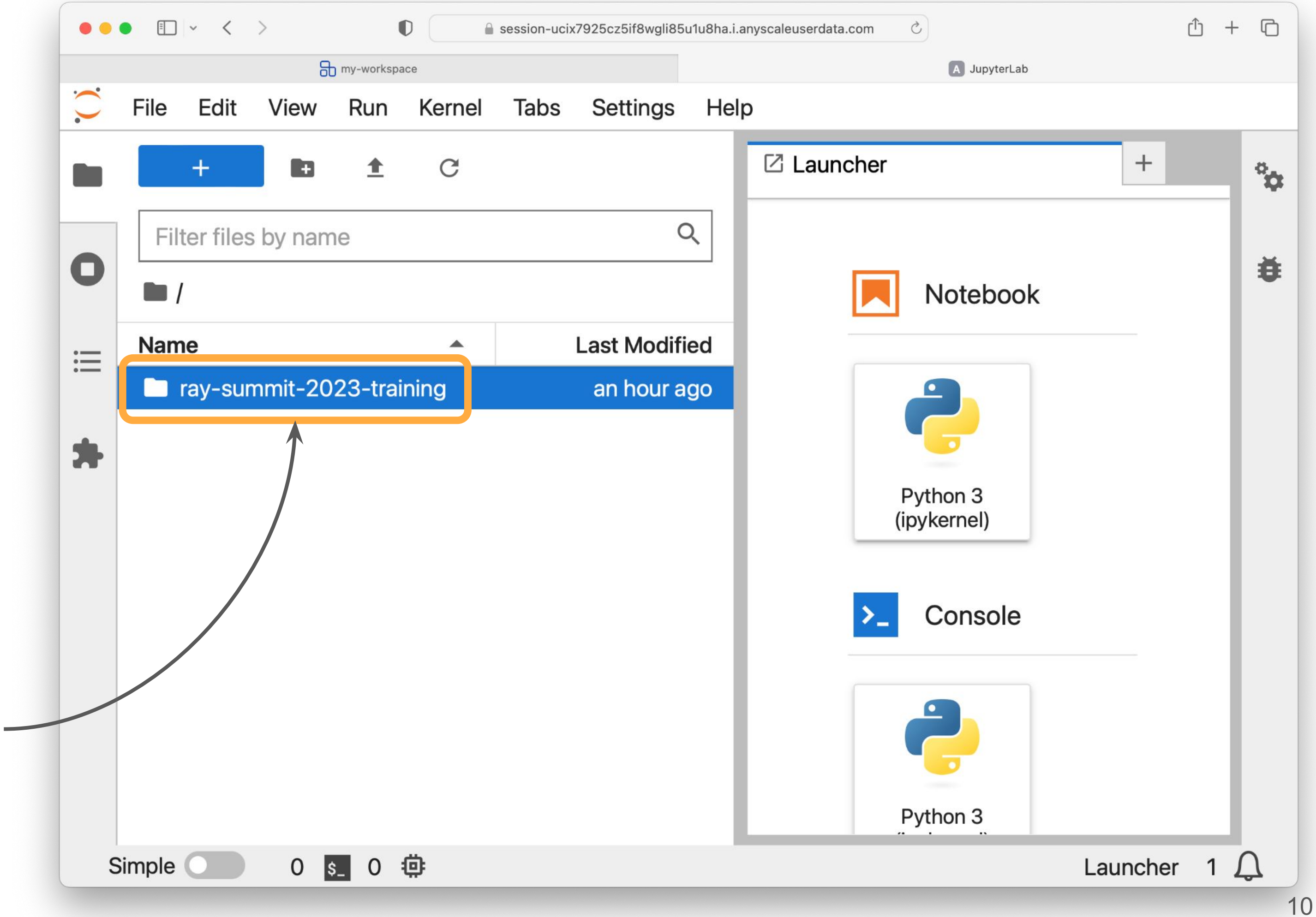
Ports
36075

README

Workspaces

A Workspace is a fully managed development environment focused on developer productivity. W enable ML practitioners and ML platform developers to quickly build distributed Ray applications from research to development to production easily, all within a single environment.

Workspaces provide a remote experience for programming your cluster while working with ...ilia JupyterLab notebooks or Visual Studio Code.



4. Find the content for your class here.

☕ Time for a Break!

15 minutes.

🍎 Today we learned...

- 🚂 What Ray Serve is and how it works
- 🔬 How to use Serve for production services
- 🔍 Why to choose Serve for AI-based apps

More Resources

For further exploration with Ray, Anyscale, and LLMs.

🔗 Reading list.

- 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.

👋 Join the community

Attend events, *subscribe to newsletter*, *follow on Twitter*.

🙋 Get support

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

🔭 Contribute to Ray

Read contributor guide, *create a pull request*.

Thank you!

We hope to meet again.