

Streamlining Enterprise AI: RAG Pipelines with OPEA in Kubernetes

Murilo Gustineli

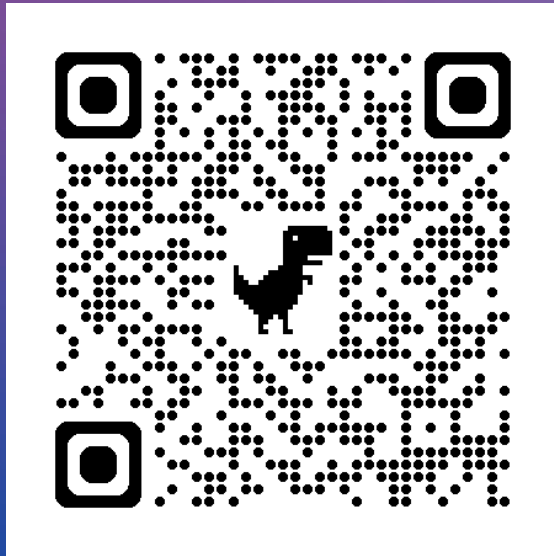
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TAC Chair/Board @ LF AI & Data

Get Ready for the workshop!!



1_ Register to
Intel Tiber AI
Cloud-



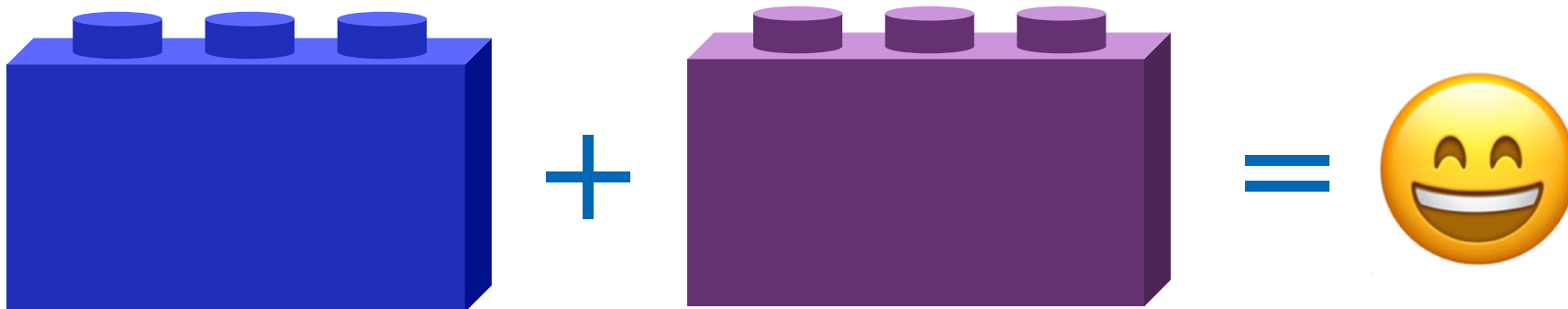
2_ Add your email
to associate your
environment

GenAI is emerging rapidly,
but enterprises are
struggling to realize GenAI
value in production.

Open Platform for Enterprise AI (OPEA)

Why standardization matters

Life is easier when things go together



Open source platform that organizes GEN AI chaos



**Open Platform
for Enterprise AI**

- Composable building blocks for generative AI systems
- Integrates LLMs, data stores, and prompt engines
RAG AI blueprint with component stack structure and end-to-end workflow
- Additional stacks for translation, code generation, images
- Generative AI assessment tool for performance, features, trustworthiness and enterprise-grade readiness

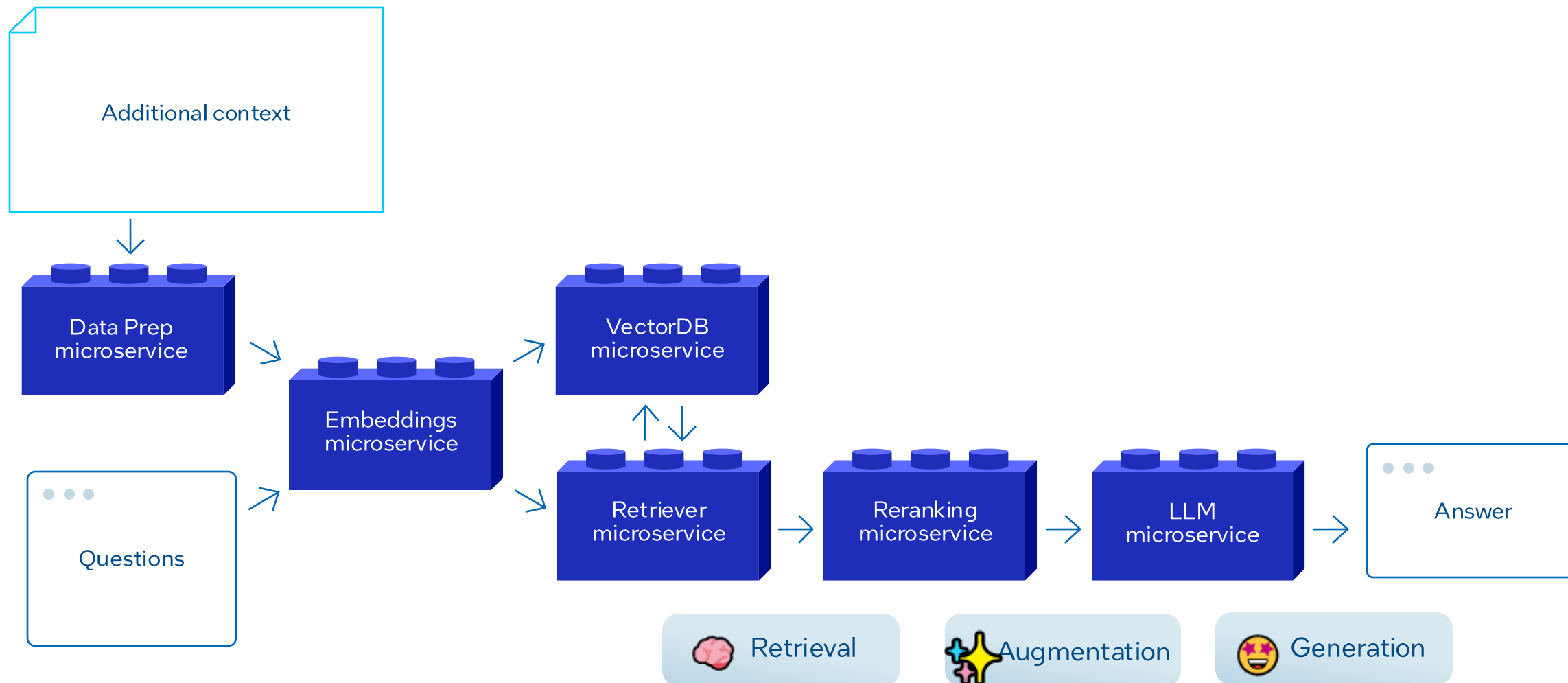
OPEA Contributors



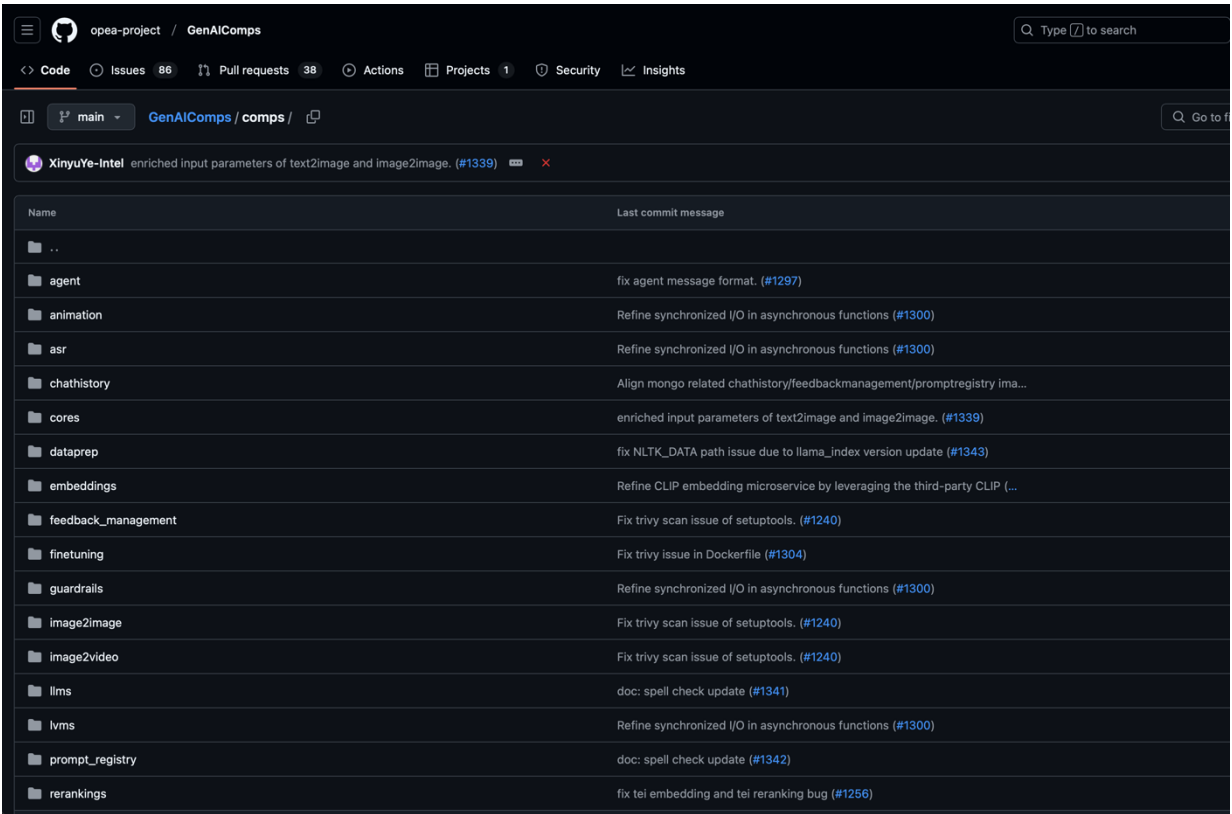
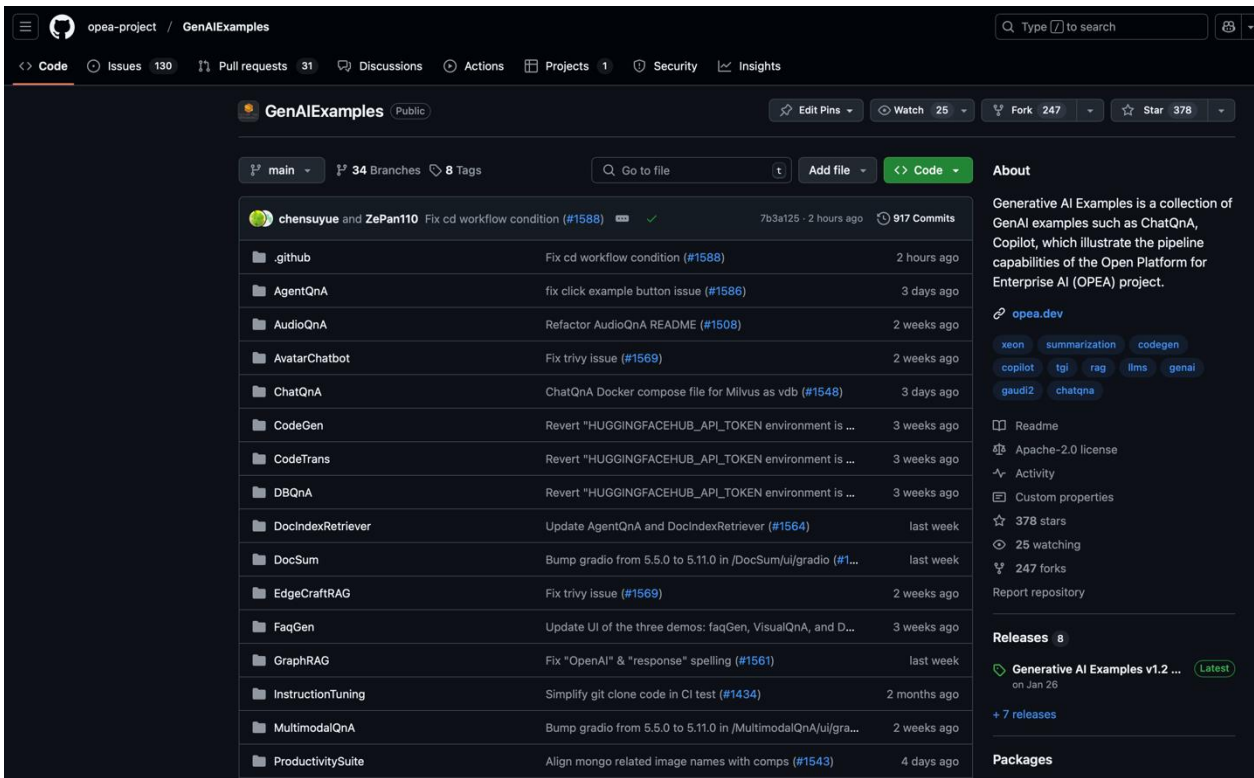
**Open Platform
for Enterprise AI**



OPEA ChatQnA microservices blueprint

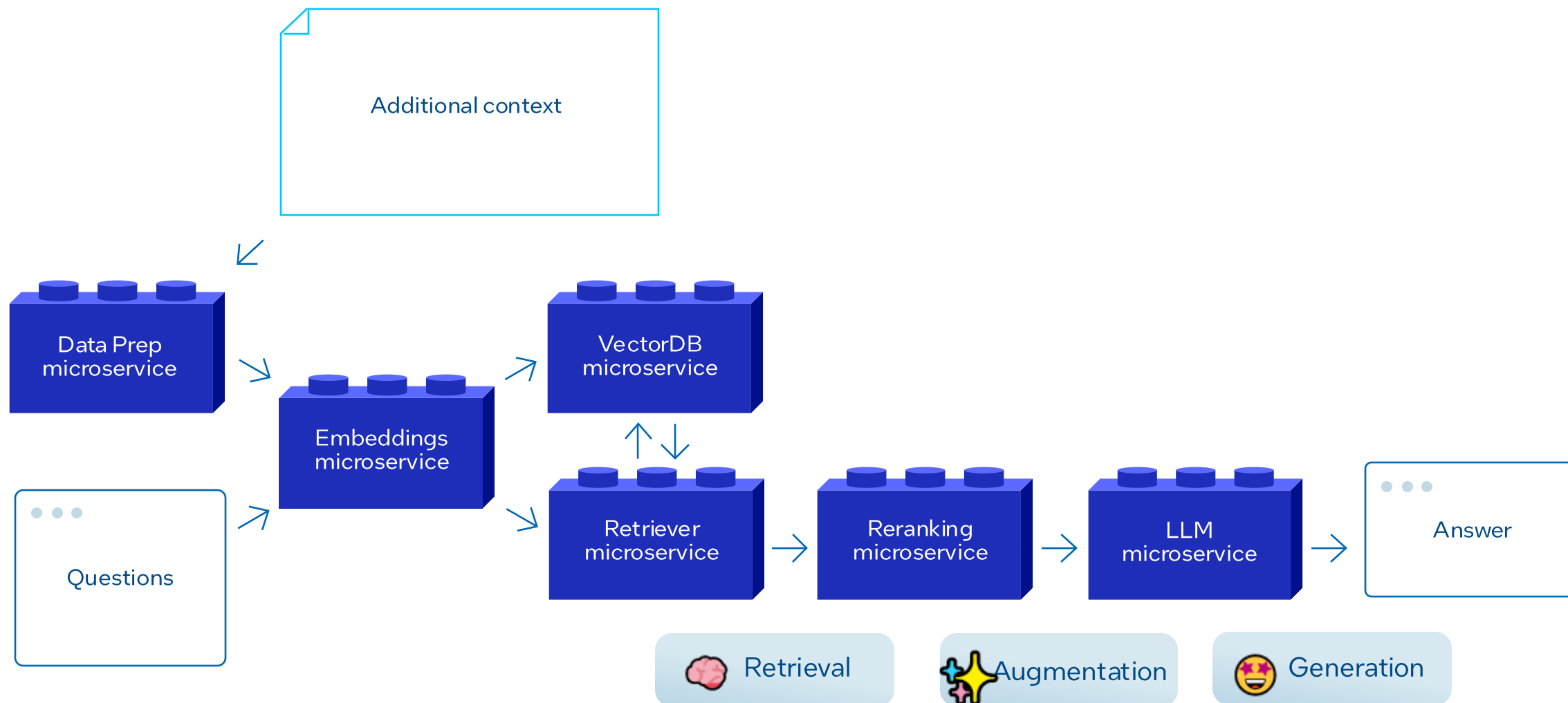


Blueprints and Components



Workshop!

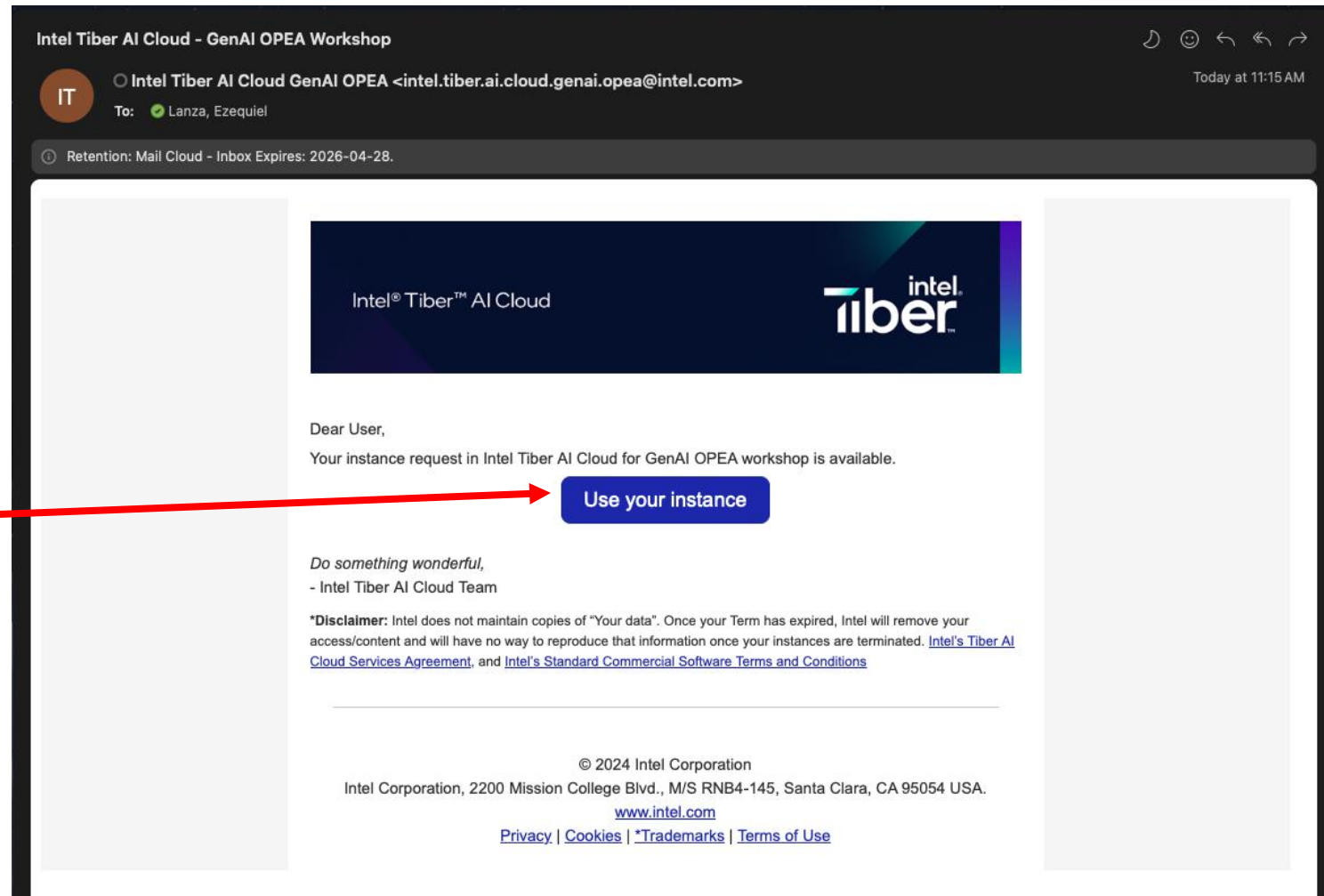
OPEA ChatQnA microservices with DataPrepKit ingestion



Access to your pre-provisioned environment

Once you are approved and your environment is ready, you will receive the following email:

- Button to access to your console (You must be logged into ITAC)



Start - Clone the repo

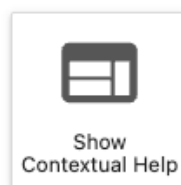
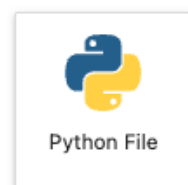
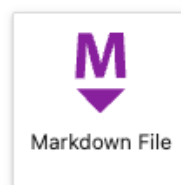
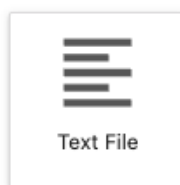
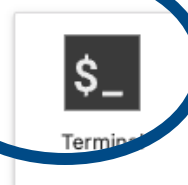
Notebook



Console

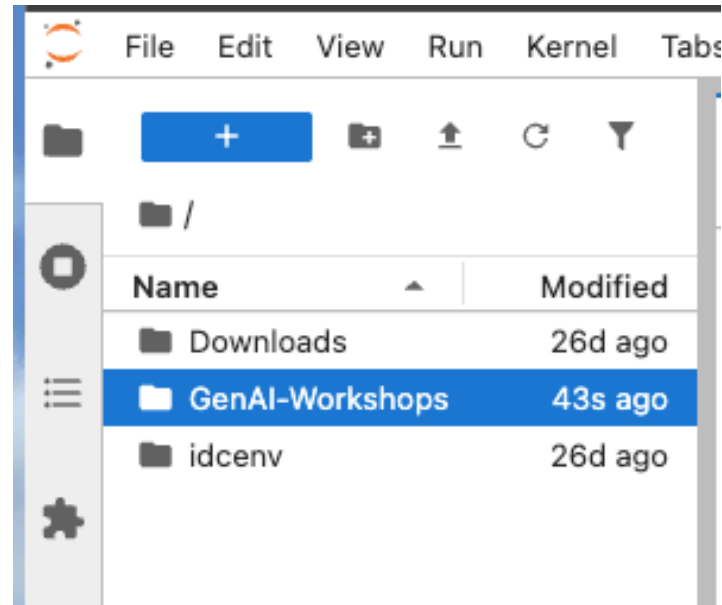


Other



```
devcloud@2:~$ git clone https://github.com/intel-samples/GenAI-Workshops
```

Open your workshop folder and open notebook 1



Resources



Public Workshop
Repo (Github)



Try deploying
different Blueprints
(GenAIEamples)

Participate in OPEA



[Visit OPEA.dev](https://opea.dev)

- Join a Working Group
- Bring Enterprise AI use cases
- Contribute code, docs, projects, blueprints, and more
- Provide feedback
- Evangelism and Promotion of OPEA in YOUR communities, events

Open Platform for Enterprise AI

Thank you!