

FINE TUNING

Setting up the resource for fine tuning:

Welcome to Azure OpenAI Service

Explore the generative AI models and craft unique prompts for your use cases.

[Help](#)

Resource configuration

[View JSON](#)

Name	Subscription	Subscription ID
Bosch-LLM-SPRING View access control (IAM)	BD/BA-AM Azure subscription for University Collaboration View access control (IAM)	3e0bf548-cb9d-4b30-8d42-887df95a2727 View access control (IAM)
API key 1	Resource group	Pricing tier
..... View access control (IAM)	Bosch-UI-LLM-DM View access control (IAM)	Standard S0 View access control (IAM)
API key 2	Azure OpenAI Service endpoint	Location
..... View access control (IAM)	https://bosch-llm-spring.openai.azure.com/ View access control (IAM)	eastus2 View access control (IAM)

Get started

Assistants playground

Speed up development of GPT-powered AI Assistants with prebuilt conversation state management and customization tools.

[Try it now](#)

Chat playground

Design a customized AI assistant using ChatGPT. Experiment with GPT-3.5-Turbo and GPT-4 models.

[Try it now](#)

Bring your own data

Ground your own data on advanced AI models to create conversational copilots that aid user comprehension, task completion, and decision-making.

[Try it now](#)

Completions playground

Experiment with completions models for use cases such as summarization, content generation, and classification.

[Try it now](#)

Images playground

Generate unique images by writing descriptions in natural language.

[Try it now](#)

Fine-tuning

Create a custom model by training it with your own data.

[Try it now](#)

Discover even more you can do with AI

Choose a base model:

Find the right model to build your custom AI solution

[Help](#)

Announcements

Experience the o1 models

The o1 series feature an enhanced reasoning abilities to solve science and coding problems.

[Check out models](#) [Read blog](#)

Create a project to get more models

Explore models from Meta, Mistral, and more, and get access to new features like Azure AI Services.

[Explore more models](#) [Learn more](#)

[Inference tasks](#) [Fine-tuning tasks](#)

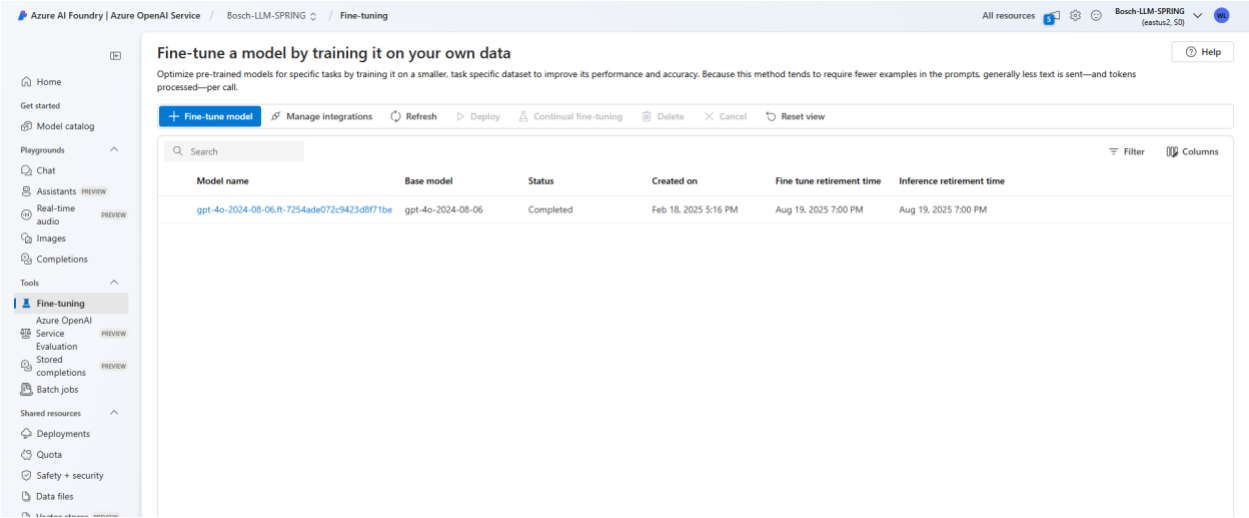
Search

Models 25

o3-mini Chat completion	gpt-4o-mini-audio-preview Audio generation	gpt-4o-mini-realtime-preview Audio generation	o1 Chat completion	o1-mini Chat completion	gpt-4o Chat completion
gpt-4o-mini Chat completion	gpt-4o-audio-preview Audio generation	gpt-4o-realtime-preview Audio generation	o1-preview Chat completion	gpt-4 Chat completion	gpt-4-32k Chat completion
text-embedding-3-large Embeddings	text-embedding-3-small Embeddings	tts Text to speech	tts-hd Text to speech	whisper Speech recognition	dall-e-3 Text to image
dall-e-2 Text to image	text-embedding-ada-002 Embeddings	davinci-002 Completions	gpt-35-turbo-16k Chat completion	gpt-35-turbo-instruct Chat completion	gpt-35-turbo Chat completion
babbage-002 Completions					

[Prev](#) [Next](#)

Fine tune a base model through the platform:



Checking model attributes:

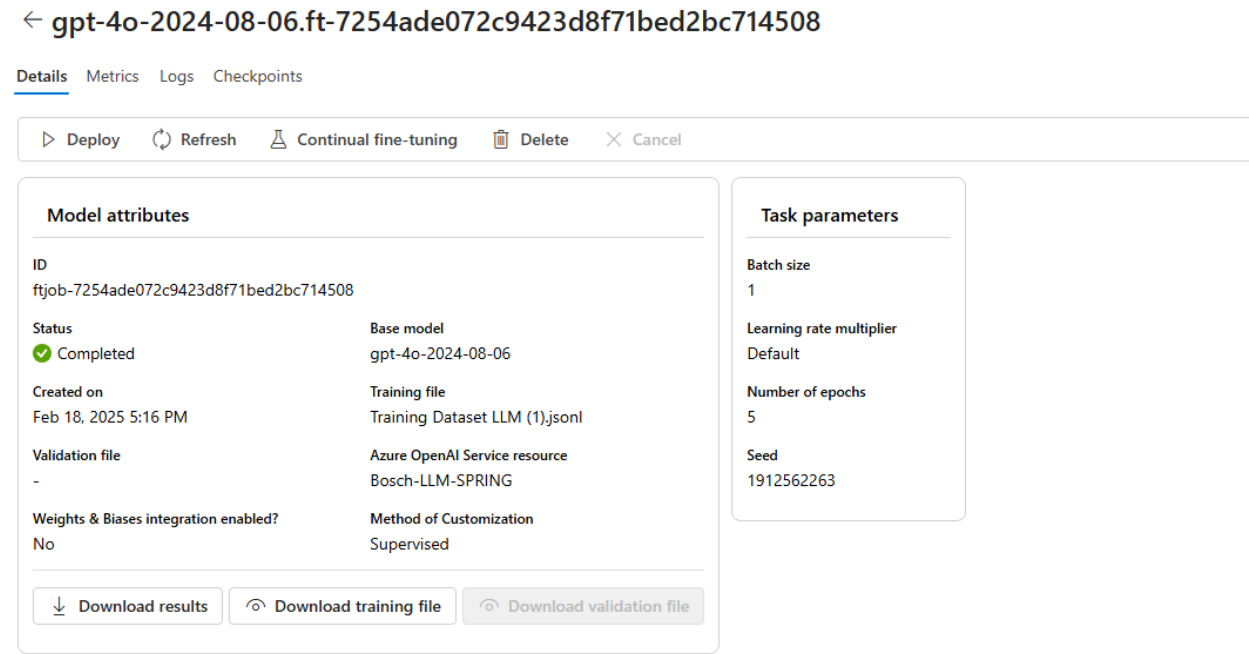
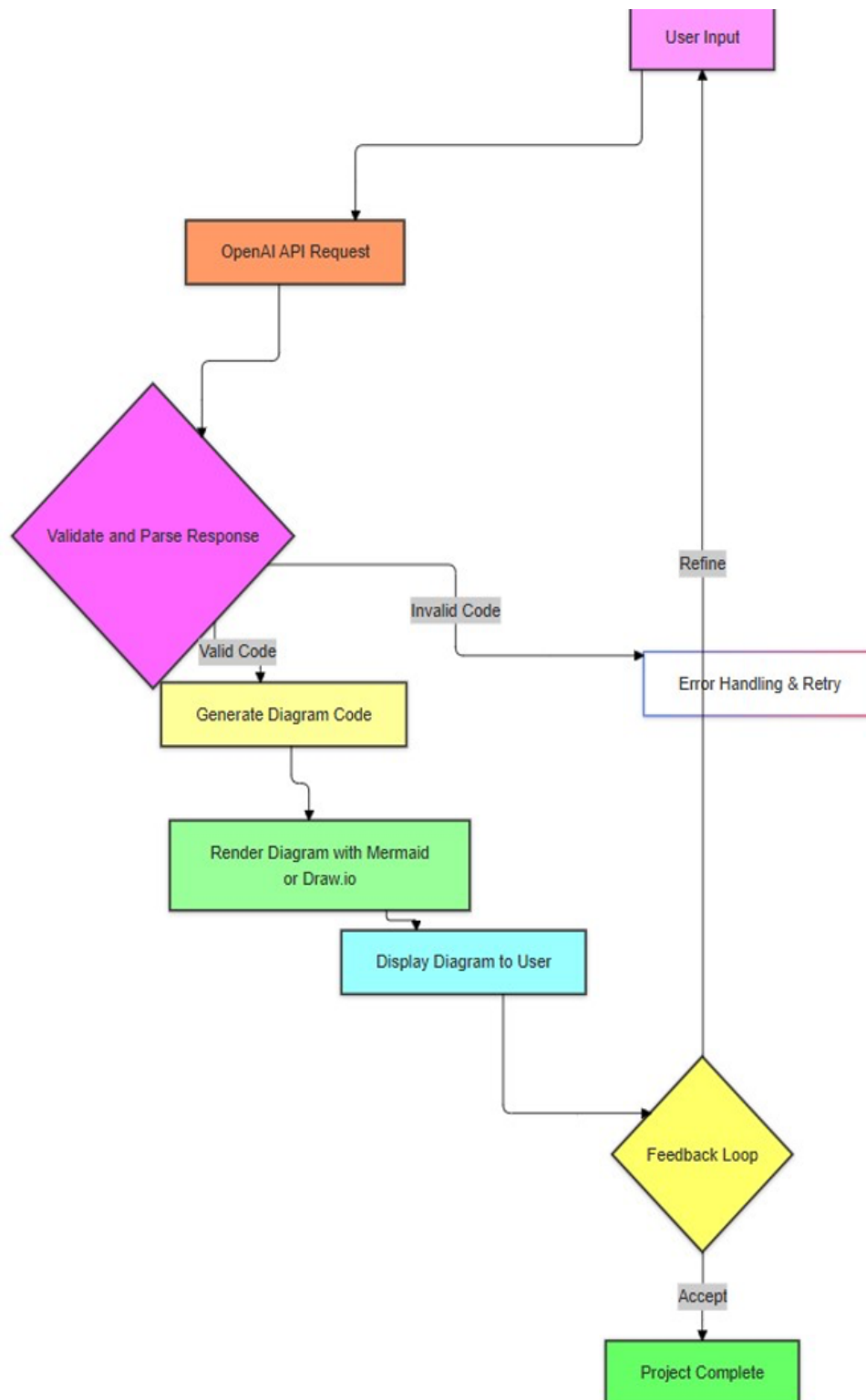
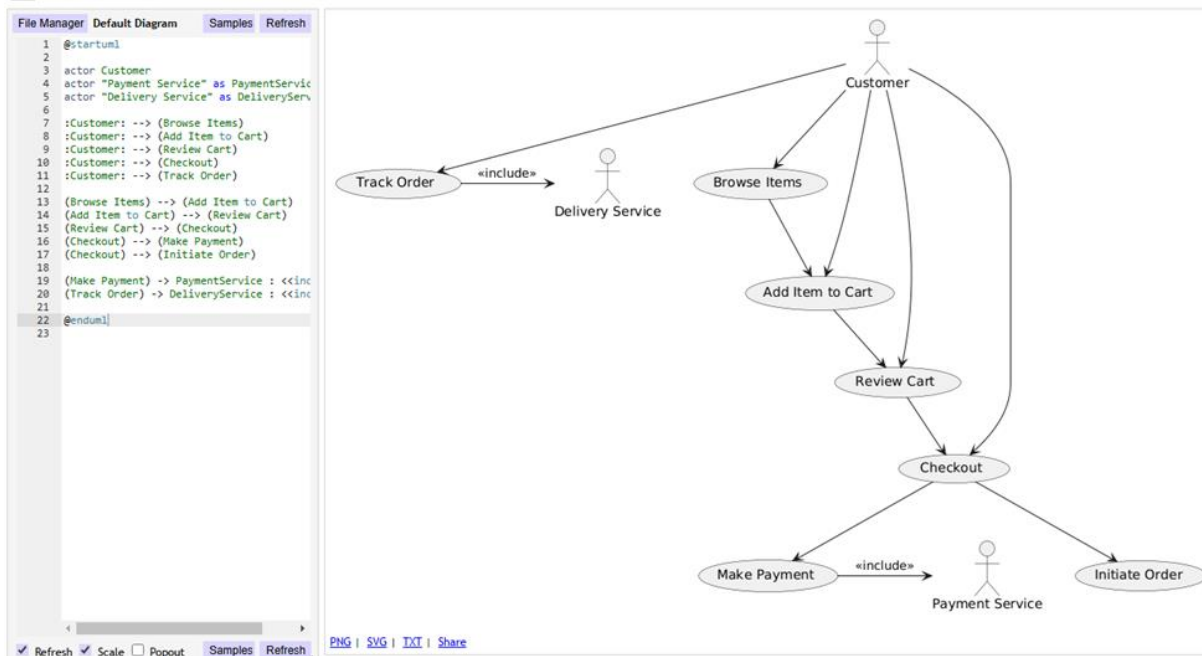


Diagram generation workflow:



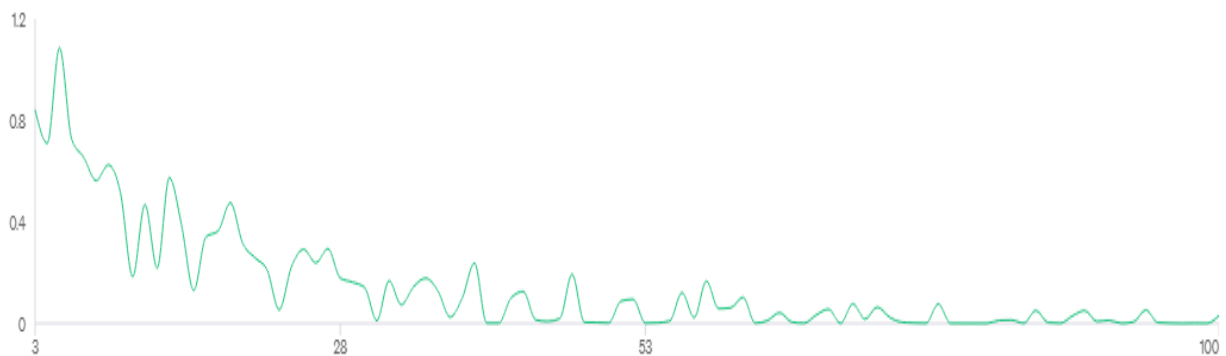
Before fine tuning(database diagram):



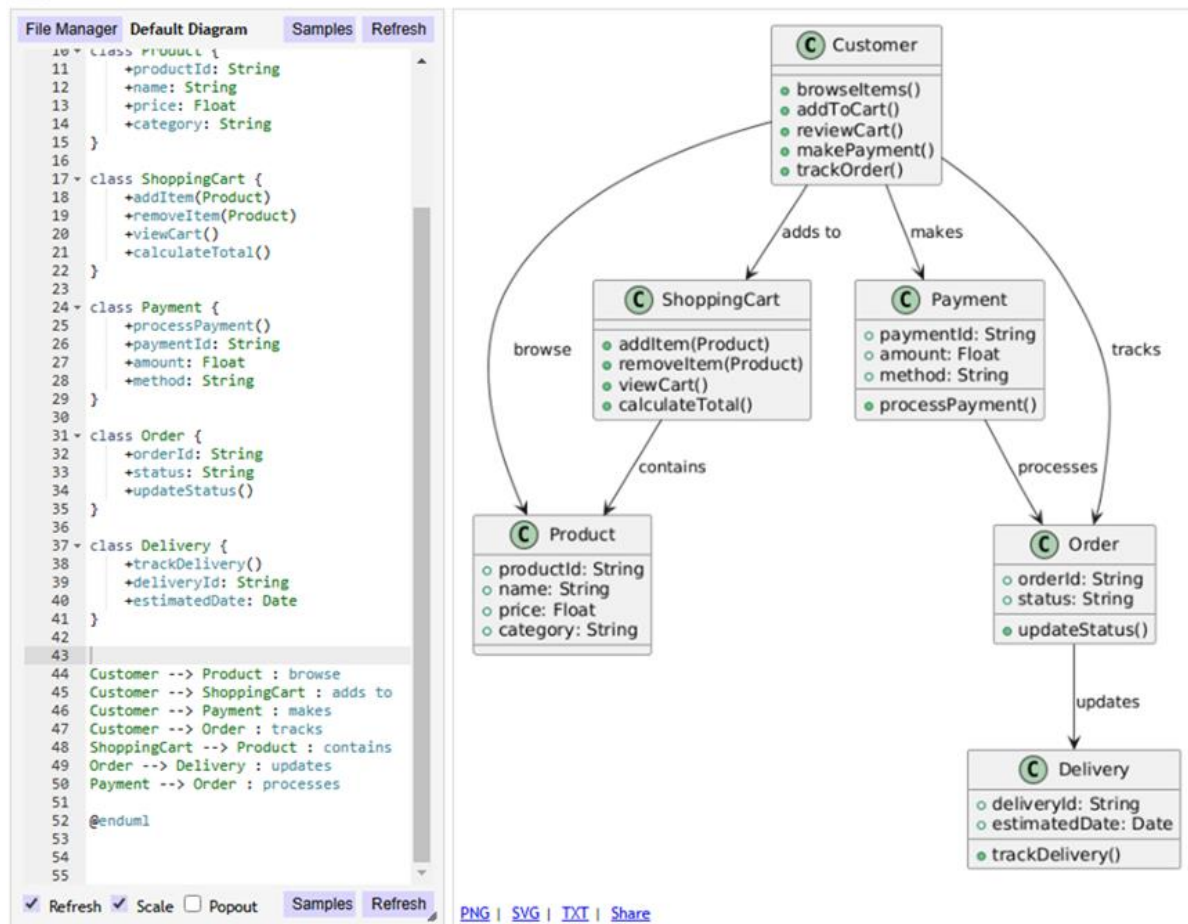
Training loss:

Metrics

Training loss 0.0308



After fine tuning(database diagram):



Mermaid code sample(cloud networking diagram):

graph TD;

A[VPC - 192.168.0.0/16 - us-east-1] -->|Public Subnets| B[API Gateway & ALB]

A -->|Private Subnets| C[ECS Fargate - Microservices]

A -->|Private Subnets| D[RDS PostgreSQL - Encrypted Storage]

B -->|Routes Requests Securely| C

C -->|Processes Patient Data| D

C -->|Secure Access| E[AWS PrivateLink - SaaS Customers]

A -->|Cross-Region DR| F[AWS Transit Gateway]

A -->|DDoS Protection| G[AWS Shield Advanced]

subgraph AZ1

B

C

D

end

subgraph AZ2

B2[API Gateway & ALB]

C2[ECS Fargate - Microservices]

D2[RDS PostgreSQL - Encrypted Storage]

end

subgraph AZ3

B3[API Gateway & ALB]

C3[ECS Fargate - Microservices]

D3[RDS PostgreSQL - Encrypted Storage]

end

A --> AZ1

A --> AZ2

A --> AZ3

Cloud networking diagram sample:

