

# Grafi Co-Builder

## Get Started

The Grafi Co-Builder is a cutting-edge development platform designed to empower AI researchers, startups, and developers. Leveraging Grafilab's CeDePIN GPU infrastructure, Co-Builder enables seamless deployment, scaling, and monetization of AI apps and agents. Whether building AI applications or agents, Co-Builder provides the tools and resources to bring your vision to life.

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# Main Services of Co-Builder

## 1. Inference API

A powerful service enabling developers to integrate their AI applications or agents with fine-tuned Large Language Models (LLMs) powered by Grafi CeDePIN Cloud.

### Key Features:

- **Plug-and-Play Integration:** Easily connect applications to fine tune LLMs and GPUs without b complexity.
- **Real-Time Inference:** Provides fast, efficient responses that requiring real-time outputs.
- **Scalability:** Handles multiple requests and scales as demand grows, ensuring uninterrupted performance.
- **Cost-Effective:** Pay for only the resources consumed during inference, making it suitable for p any size.
- **Worry-free GPU Access:** Eliminates the need to select specific GPU specifications, offering de flexibility and scalability for growth.

## 2. Deploy Your Own Apps/Agents

A comprehensive solution for developers to upload, train, deploy, and showcase their AI apps/agents with minimal effort.

### Key Features:

- **Flexible Deployment:** Build new apps/agents from no-code environments or select references showcase with your modification.
- **Multi-Plugin Support:** Compatible with various plugins and tools to accommodate diverse development needs.
- **GPU Resource Selection:** Choose from centralized CePIN GPUs or decentralized DePIN GPUs f and performance optimization.
- **Monetization Opportunities:** List deployed apps/agents on the AI App Store for rent or sale, i \$GRAFI tokens based on usage.
- **Interactive Demo Spaces:** Create and share live demonstrations of your models with users a stakeholders.

# How It Works

## **Inference API**

1. **Connect Your Application:** Use the Co-Builder interface to link your application or agent with the Inference API.
2. **LLM Selection:** Choose the preferred LLM that suits your apps/agents.
3. **Real-Time Processing:** The API processes data and delivers results with optimized speed and accuracy.
4. **Monitor Usage:** Track performance metrics and adjust settings to optimize for cost and efficiency.

## **Deploy Your Own Apps/Agents**

1. **Upload your pre-trained dataset:** Developers upload pre-trained dataset or configure new ones on the Co-Builder platform.
2. **Select Resources:** Choose from centralized or decentralized GPUs for deployment, ensuring scalability and cost efficiency.
3. **Train and Scale:** Co-Builder handles training and scaling based on performance requirements.
4. **Monitor Performance:** Use real-time dashboards to oversee training speed, utilization, and output quality.
5. **Monetize:** Get listed on the AI App Store for subscription earning rewards for usage.

# Supporting Large-Language-Model

Grafi Co-Builder comes equipped with numerous widely used LLM such as

- Llama 3.2
- Llama 3.3
- Qwen 2.5
- DeepSeek V3 (coming soon)

# Supporting Framework

Grafi Co-Builder supports various frameworks to help developers seamlessly deploy and interact with their AI Apps & AI Agents. Two of the most popular templates integrated into the platform are Gradio (AI Apps), ElizaOS (AI Agent) and more, both designed to simplify the process of creating powerful UX for AI Apps/Agents and machine learning applications. These frameworks empower developers to create apps/agents with a flexible no-code environment, providing an intuitive way to showcase and interact with their AI projects.

## Gradio Templates

### 1. What is Gradio?

- Gradio is a Python-based framework that allows developers to quickly build UIs for their machine learning models. It makes it easy for users to interact with AI apps through web-based interfaces, which can be embedded or shared with others.

### 2. Key Features

- **Drag-and-Drop Interfaces:** Gradio simplifies the process of creating interactive elements, such as image uploads, audio files, and text inputs.
- **Real-Time Interaction:** Developers can use Gradio to deploy AI apps that allow real-time interaction with users, enabling them to test or explore different model functionalities.
- **Seamless Integration:** Gradio templates integrate smoothly with Co-Builder, allowing developers to deploy AI apps directly from the Grafi Cloud Console.

### 3. How Gradio Templates are Used in Co-Builder

- **Pre-Built UIs:** Developers can use pre-built Gradio templates in Co-Builder to quickly deploy a interface for their AI apps.
- **Customization Options:** Co-Builder supports customization of Gr templates, enabling developers to adjust the layout, inputs, and outputs to fit the unique needs AI apps.
- **Deploy and Share:** After deployment, users can share their Gradio app interfaces w others via web links or list them in the AI App Store for others to use.

## ElizaOS

### 1. What is ElizaOS?

- Eliza is a powerful multi-agent simulation framework designed to create, deploy, and manage autonomous AI agents. Built with TypeScript, it provides a flexible and extensible platform for developing intelligent agents that can interact across multiple platforms while maintaining consistent personalities and knowledge.

## 2. Key Features:

- **Multi-Agent Architecture:** Deploy and manage multiple unique AI personalities simultaneously
- **Character System:** Create diverse agents using the character file framework
- **Memory Management:** Advanced RAG (Retrieval Augmented Generation) system for long-term memory and context awareness
- **Platform Integration:** Seamless connectivity with Discord, Twitter, and other platforms

## 3. How ElizaOs Templates are Used in Co-Builder

- **Grafi Inference API compatible:** Grafi inference API is compatible working with ElizaOS search
- **Flexible customization:** Our inference API gives flexibility customization power for developers to tune their agent.