

Grafi Cloud

Get Started

Overview

Grafi Cloud is Grafilab's innovative platform that bridges centralized (CePIN) and decentralized (DePIN) GPU resources, enabling efficient, scalable, and secure solutions for AI, machine learning, and computational workloads.

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Core Features

Supply GPU with GRAFI Agent

- For Contributors: Share idle GPU with the Grafi Cloud network and earn rewards.
- Key Features:
 - Cross-Platform Support: Available for both Windows and Ubuntu operating systems, ensuring compatibility with most GPU setups.
 - Automated Resource Management: Grafi Agent handles GPU resource allocation, task scheduling, and data exchange without requiring manual intervention.
 - Secure Integration: Uses Web3 authentication and smart contracts to ensure secure GPU contribution and revenue sharing.
 - Earnings and Incentives: Contributors receive revenue based on GPU performance, uptime, and availability, with an additional \$GRAFI token incentive for DePIN contributors.

Rent GPU Power with Rent & Run

- For Renters: Access a wide array of GPU resources tailored for tasks like AI model training, game rendering, and data analytics.
- Key Features:
 - Flexible GPU Options: Choose from centralized GPUs in data centers (CePIN) or decentralized GPUs contributed by individuals (DePIN).
 - Pre-Configured Environments: Renters can select from Docker templates preloaded with popular frameworks like TensorFlow, PyTorch, or OpenCV for faster setup.
 - Custom Configurations: Users can upload and run custom Docker images for specialized workloads.

- Real-Time Monitoring: Track GPU performance, task completion status, and resource utilization through a user-friendly dashboard.
- Transparent Billing: Costs are calculated based on GPU usage time, ensuring clear and precise pricing.

How It Works

For Contributors (Grafı Agent)

1. **Download and Install:** Install Grafı Agent on your GPU-enabled device via the Grafı Cloud Console.
2. **Connect to the Network:** Authenticate your device using Web3 credentials and connect it to the Grafılab ecosystem.
3. **Start Earning:** Once connected, your GPU is listed for rent. Earnings are calculated based on rental duration, uptime, and performance metrics.
4. **Monitor and Optimize:** Use the Grafı Cloud Console to track your GPU's performance, rental history, and earnings in real-time.

For Renters:

1. **Explore Resources:** Browse available GPUs categorized by performance, cost, and location.
2. **Select GPU:** Choose from CePIN or DePIN options based on your task requirements.
3. **Deploy Tasks:** Use pre-configured Docker templates or custom configurations to set up your computational tasks.
4. **Monitor Progress:** Track task performance and GPU metrics through the dashboard.
5. **Complete and Pay:** Payments are processed securely using credit cards or supported cryptocurrencies, with contributors receiving their share directly.

Payment and Incentives

For Renters

- **Flexible Payment Options:** Pay with credit cards, stablecoin, or \$GRAFI tokens.
- **No Hidden Fees:** Transparent pricing ensures renters know exactly what they're paying for.

For Contributors

- **Revenue Sharing:** Contributors receive 90% of rental revenue, with the remaining 10% allocated to Grafilab as platform fee.
- **Incentives for DePIN GPU Contributors:** DePIN GPU contributors are rewarded with \$GRAFI for GPU uptime.

Advanced Features

1. Network Map

- **Global GPU Distribution:** View active GPUs across the Grailab ecosystem, contributed by central data centers and decentralized users.
- **Node Metrics:** Click on individual nodes to view performance data, including uptime, utilization and rental activity.
- **Real-Time Updates:** The map displays live data, allowing renters to make informed decisions selecting GPUs.

2. On-Chain Transparency

- **Indexed Data:** All transactions, payments, and resource usage are logged and published on-chain for full auditability.
- **Secure Interactions:** Smart contracts ensure all processes—from GPU rental to contributor payments—are executed securely and transparently.