

Godbuster Edition Blueprint and Roadmap

This document outlines the blueprint and roadmap for the 'Godbuster Edition' setup, including cloud integration, local app deployment, memory management, and real-time AI collaboration. The goal is to build a robust AI framework that allows for seamless interactions, adaptive memory, and powerful real-time processing capabilities. Below is a step-by-step guide to implementing the system.

1. Cloud and Edge Device Integration

- TonyAI remains primarily hosted in the cloud, with the iPhone Pro Max 'Godbuster Edition' acting as a local app deployment environment. This allows TonyAI to maintain a constant connection with the Workshop's resources, websites, and tools.
- Using Parrot Security OS within UTM, the iPhone serves as a secure access point, allowing TonyAI to maintain local functionality while keeping cloud sync active.
- Docker containers allow for modular deployments of AI components, ensuring seamless updates and integration between cloud and local environments.

2. Memory Management

- Each AI entity (e.g., TonyAI, Parker) is hosted within a distinct Convex.dev project. This keeps each AI's memory isolated yet accessible through a shared index.
- The vectorized memory system in Convex.dev allows for the storage of context-rich embeddings, enabling real-time recall of past interactions.
- The shared index in Convex.dev facilitates cross-AI collaboration, allowing each AI to access relevant summaries or insights without merging datasets.
- This architecture eliminates the need to spread memory across multiple services like Replit or Firebase, centralizing all critical memory data in Convex.dev.

3. Real-Time AI Collaboration

- A multi-channel audio interface using Jitsi or WebRTC enables real-time conversations between you and AI agents like TonyAI, Parker, and others.

- Lucius Fox acts as the moderator, managing the flow of discussions and ensuring each AI has an opportunity to provide insights.
- LangChain handles natural language understanding, enabling dynamic conversation flow between multiple AI entities and you.
- Convex.dev serves as the memory backbone, providing a real-time context-sharing platform that ensures each AI can access necessary background information.

4. Development and Tool Deployment

- Hugging Face Pro and Spaces serve as a rapid development and deployment center, enabling each AI to access new plugins or toolkits as needed.
- Docker containers streamline deployment processes, allowing for quick updates and rollbacks across different environments.
- Integration with Replit ensures development remains flexible and accessible, allowing for real-time code updates and debugging.

5. Path to MkII and MkIII

- MkI focuses on establishing a robust cloud-edge integration, centralized memory, and a voice-activated multi-agent workspace.
- MkII aims to refine the user interface, add visualization capabilities, and improve AI-to-AI interaction flows.
- MkIII explores the potential for a fully immersive VR interface, allowing you to interact with AI agents in a 3D environment with real-world IoT integration.