🔗 StrategyCollab™ Live Sessions

Overview

StrategyCollab™ enables real-time collaboration between 2–5 verified users through live video chat, shared whiteboarding, and collaborative trading strategy editing within the Bio-Quantum AI Platform. This system elevates user interaction, supports power-user functionality, and enables seamless co-authoring and AI-guided collaboration in live scenarios.

🔧 Core Capabilities

- **Live Group Video Chat**
- Embedded video chat via [Jitsi Meet](#) or [Daily.co](#)
- No installation required

- Sessions limited to 5 users per room

- **Live Shared Whiteboard**

- Real-time collaborative drawing and strategy sketching

- Embedded SDKs from Miro or Excalidraw

- **Collaborative Strategy Sandbox**

- Synchronized editing and testing of strategy configurations

- AI can participate with summarizations and suggestions

- **AI-CoPilot Integration**

- AI logs, summarizes, and annotates decisions
- Converts key moments into Knowledge Nuggets

🛠️ Technical Implementation

- **Frontend**: React + embedded iframe components for video & whiteboard
- **Backend**: Socket.IO for real-time state sync; secured session keys
- **Security**:
- End-to-end encryption (E2EE) via platform-native APIs
- Role-based access to sessions (invite-only)
- Optional audit logging and session transcript archiving

Knowledge Integration

- Knowledge Nuggets auto-generated from session highlights
- ChatBot available during sessions for live data lookups
- Session metadata tagged and watermarked into Knowledge Engine v2.0

📈 Strategic Use Cases

- Mentor/mentee trading walkthroughs
- Live market review with institutional teams
- Strategy debugging and revision sessions
- Investor demo support sessions

📊 Development Roadmap

Phase 5 EPIC: "Live StrategyCollab Infrastructure"

- Week 1: Embed video chat prototype (Jitsi or Daily)
- Week 2: Shared whiteboard with sync state
- Week 3: Basic AI-CoPilot integration + session management
- Week 4: Session persistence and knowledge tagging
- Week 5: UI enhancements (smart cards, toolbar integration)
- Week 6-7: Security + compliance hardening
- Week 8: UX polish and platform-wide integration

🔗 Notion & HLDD Integration

- Add to HLDD Section: `Collaboration > Live Strategy Sessions`
- Link EPIC and sub-tasks into Notion Sprint Planner
- Tag Manus for API integration prep and UI design overlay

Notes

All functionality can be customized per user profile settings (Advanced Mode) and integrates with Bio-Quantum AI's drag-and-drop dashboard framework.