Gaming Protocol With Zero Gas Fees

PRODUCTS AND FEATURES

Description	Feature
A robust toolkit for integrating competitive gameplay mechanics. Enables real-time synchronisation and server authority.	**Gameplay SDK**
Simplifies player grouping and match creation. Features skill-based matchmaking for balanced competition	**Lobby & Matchmaking**
Secure player authentication system. Integrates seamlessly with PlayPad for unified access.	**Auth with PlayPad SDK**
Automated game deployment and scalable cloud hosting. Ensures high availability and performance.	**Deployment & Hosting Cloud**
Enables blockchain-based monetisation models. Supports NFTs, tokens, and decentralised economies.	**Web3 Monetisation**
Facilitates integration with third-party services. Expands functionality and data exchange capabilities.	**External API Integration**
Real-time leaderboards that update instantly. Drives competition and player engagement.	**Dynamic Leaderboards**
Encourages positive player behaviour through rewards. Fosters a healthy and respectful community.	**Respect System**
A unified player identity and wallet system. Simplifies access and transactions across games.	**Player PAD**
A personalised dashboard for players. Tracks stats, achievements, and in-game progress.	**Player's Cockpit**
Individuals or entities can serve as node operators by sharing computing power and bandwidth to secure gameplays. In exchange, they receive token rewards.	**Node Operators**

WorkFlow - Developers

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1.Game Design - Use Unity to design gameplay mechanics and integrate Zenith Studio’s Gameplay SDK.
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PlayPad SDK is a software development kit (SDK) designed to help game developers easily integrate blockchain and Web3 features into their games. Think of it as a toolbox that helps game developers add NFTs, token-based rewards, and crypto payments to their games without needing deep blockchain knowledge.

Key Features:

✅ NFT Integration – Allows games to use NFTs for in-game assets like skins, weapons, or characters.

✅ Token Rewards – Enables play-to-earn mechanics where players earn crypto or tokens while playing.

✅ Marketplace Support – Helps developers add in-game marketplaces for buying, selling, or trading digital assets.

✅ Multi-Chain Support – Works across different blockchains for better flexibility.

Why is it Useful?

Without an SDK like PlayPad, adding blockchain features to a game would require custom coding, complex smart contracts, and deep blockchain expertise. PlayPad SDK simplifies all that, so developers can focus more on building fun and engaging games.

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2.Authentication Setup  - Integrate PlayPad SDK for secure player authentication and identity management.
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3.Lobby & Matchmaking - Configure skill-based matchmaking and lobby management using Zenith Studio’s tools.
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4.Web3 Monetization - Implement blockchain-based monetization (NFTs, tokens) using Zenith Studio’s Web3 tools.
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5.Deployment & Hosting - Deploy the game on Zenith Studio’s cloud hosting platform with autoscaling capabilities.
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6.External API Integration Integrate third-party APIs for additional features like analytics, ads, or social sharing
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7.Dynamic Leaderboards  Set up real-time leaderboards to track player performance and drive engagement.
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The Respect System is a reputation or ranking system used in games, online communities, or blockchain platforms to reward positive behaviour, skills, or contributions. Think of it as a “respect

meter" that tracks how trustworthy, skilled, or valuable a player or user is. The more respect points you earn, the higher your status or rewards.

How It Works:

✅ Earn Respect – By winning matches, helping teammates, or contributing positively.

✅ Lose Respect – By cheating, being toxic, or breaking rules.

✅ Use Respect – Unlock special perks, ranks, or privileges.

Why Is It Important?

• Encourages fair play and good behaviour in games and communities.

• Helps filter out toxic players and bad actors in Web3 platforms.

• Can be used as a trust score for trading, matchmaking, or exclusive rewards.

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8.Respect System - Implement the Respect System to reward positive player behavior and discourage toxicity.
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9.Developer's Console - Use the Developer's Console to monitor game performance, player activity, and analytics
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WorkFlow - Players

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1. Account Creation - Sign up using PlayPad SDK for a unified identity and wallet system.
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A Player’s Cockpit is a personalized dashboard in a game that gives players a quick overview of their stats, progress, and important game details.Think of it like a control center where players can see everything important about their gameplay in one place.

What It Shows:

🎮 Game Stats – XP, level, rank, achievements, and progress.

💰 Inventory – Weapons, skins, power-ups, or collectibles.

📊 Performance Analytics – Win/loss ratio, kill count, accuracy, or skill rating.

⚡ Live Status – Health, energy, cooldown timers, or in-game currency.

🌍 Game World Info – Mission objectives, maps, events, or leaderboard rankings.

Why It’s Useful?

✅ Helps players track their progress and improve skills.

✅ Provides quick access to important game data without navigating menus.

✅ Enhances strategy and decision-making by displaying real-time info.

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2. Game Discovery - Browse and join games through the player’s cockpit or lobby system.
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3. Matchmaking - Enter matchmaking queues for skill-based competitive gameplay.
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4. Gameplay - Engage in real-time, server-authoritative gameplay with smooth synchronization.
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5. Progress Tracking -View stats, achievements, and leaderboard rankings in the Player’s Cockpit.
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6. Web3 Interactions - Use in-game wallets to trade NFTs, tokens, or other blockchain-based
assets.
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7. Respect System - Earn rewards for positive behavior and report toxic players through the
Respect System.
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8. Feedback & Support - Provide feedback or seek support through integrated tools in the Player’s
Cockpit.
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Revenue Streams for Zenith Studio

This multi-layered model ensures revenue from both B2B (game developers, businesses) and B2C (players, node operators, and token holders).

- Gameplay SDK & Developer Tools Monetisation - Subscription or licensing fees for using deployment, hosting, and matchmaking solutions.

- Web3 Monetisation - Supporting blockchain-based models such as pre-written smart contracts , Developers may need to pay a fee or revenue share to enable these Web3 features.

- Node Operators & Token Economy - Users (individuals or businesses) can run nodes to provide computing power and bandwidth, securing gameplay. They are rewarded in tokens, which creates a demand for the platform's native token.

- Player Competitions & Tournament Fees - Players can enter competitive events (leaderboards, duels, tournaments) by paying an entry fee.

- Premium Player Features & Dashboard - A personalised dashboard for tracking stats, achievements, and progress.Potential premium subscription models for advanced analytics, insights, or player progression.

- Third-Party API & Integration Fees - Partnerships with payment providers or game studios looking to leverage Zeniths' infrastructure.

- Respect System & Gamified Rewards - Encouraging in-game behavior through reward mechanisms that could involve microtransactions.