Mining Rights Protocol (MRP)

Ergo Hack 9 Presentation

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# Mining Rights Protocol (MRP)

What is MRP?

- A mineral rights-inspired system for blockchain mining
- Rights-based token distribution mechanism
- NFT-enhanced mining privileges
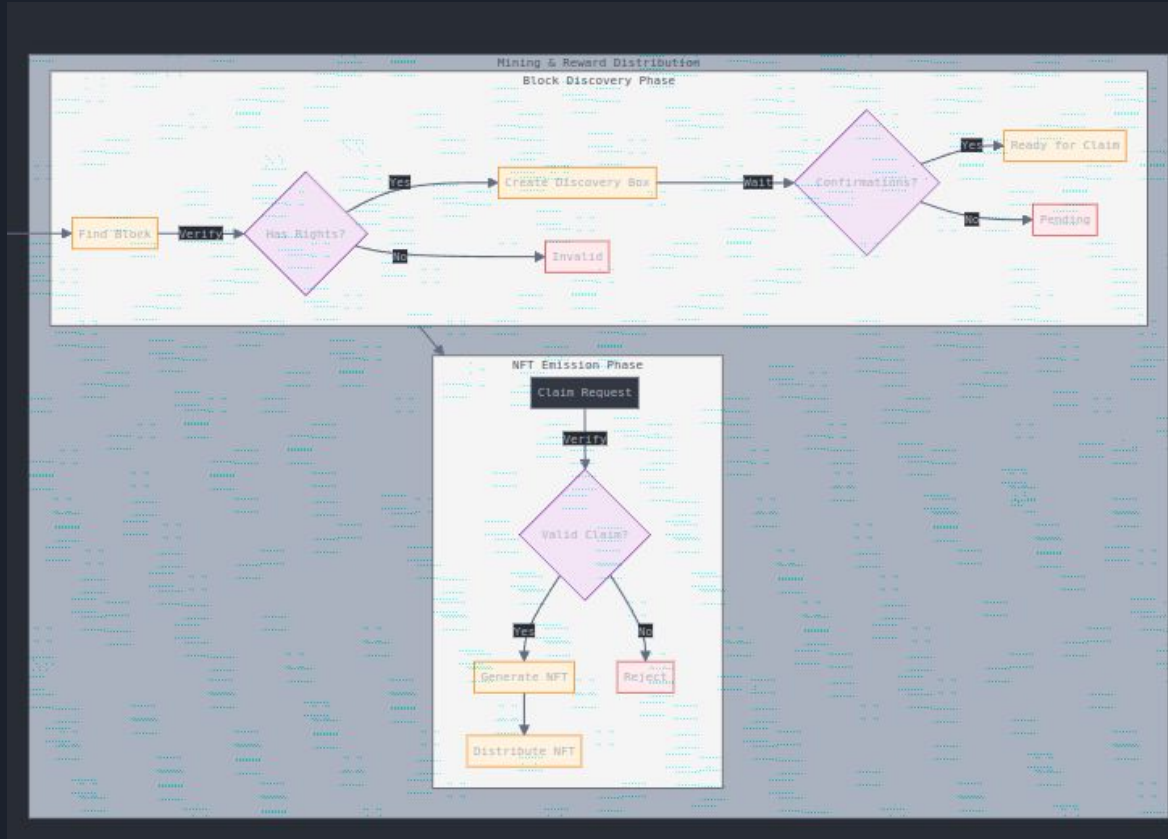- Sustainable token emission protocol

Key Benefits

- Structured mining rights system
- Enhanced miner engagement through NFTs
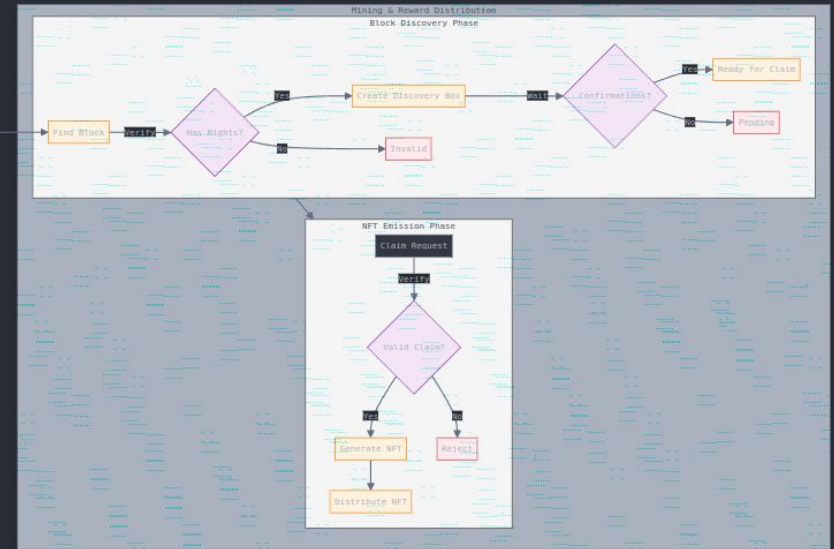- Sustainable token distribution
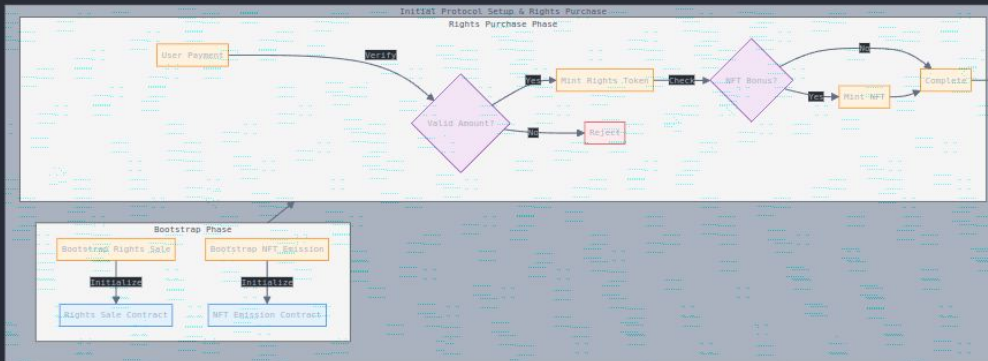- Fair launch mechanism
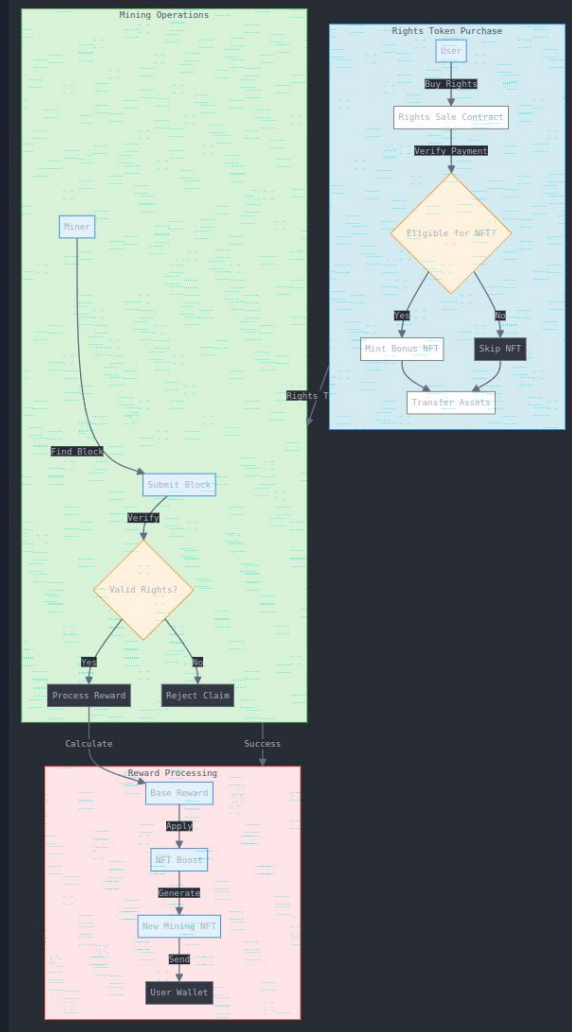
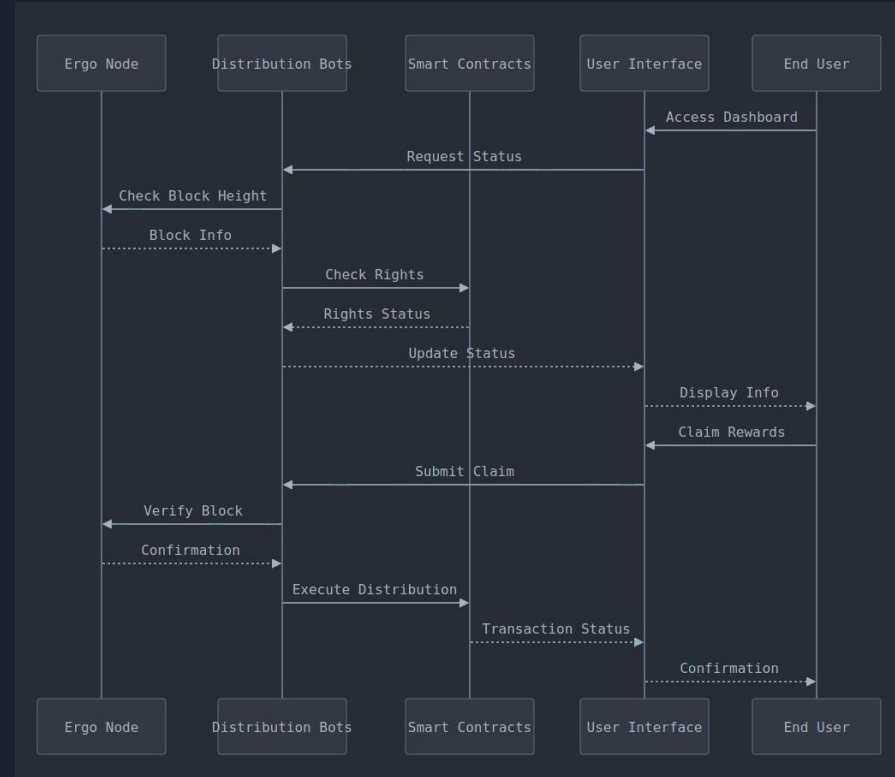# Action Flow
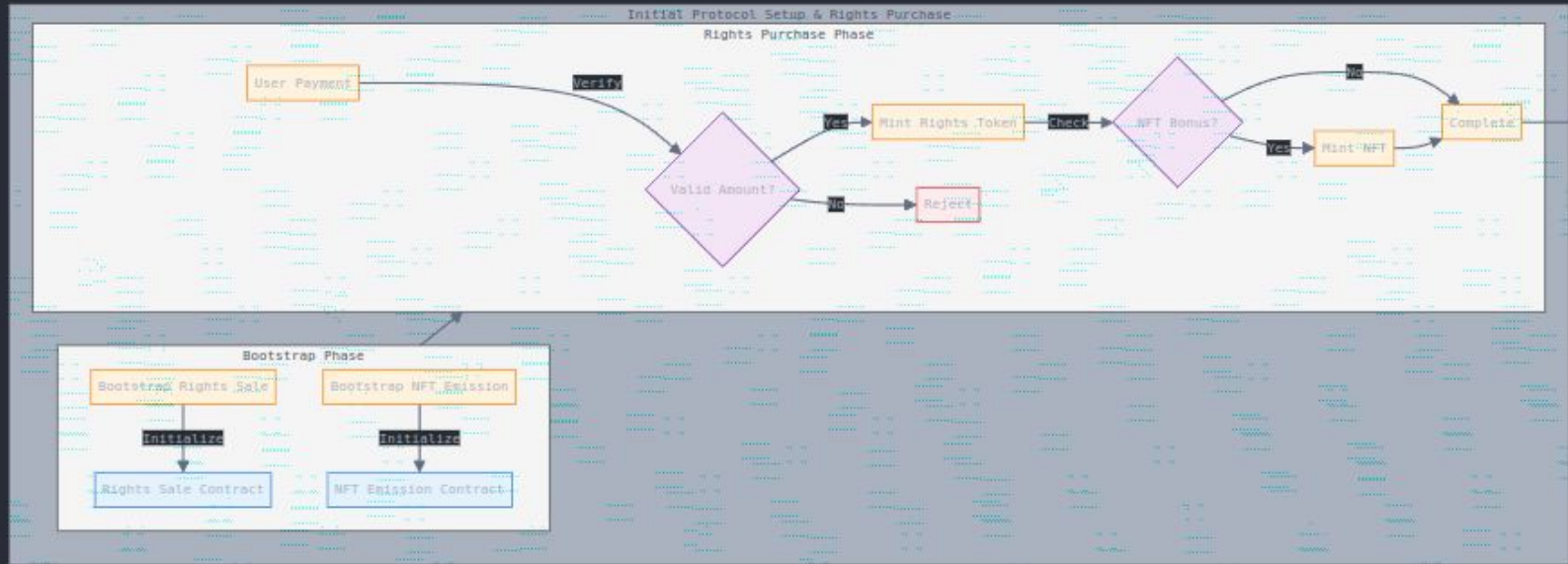
Action Flow

# Action Flow

Technical Requirements

1. Infrastructure
   - Ergo Node
   - Distribution Bots
   - Monitoring Systems

2. Smart Contracts
   - Rights Sale Contract
   - NFT Minting Contract
   - Distribution Contract

3. User Interface
   - Rights Management Dashboard
   - Claim Interface
   - NFT Showcase

Protocol Operator Perspective

Token Creation & Setup

1. Initial Parameters
   - Total Rights Tokens: 10,000
   - Initial Sale: 7,500
   - Protocol Reserve: 2,500
2. Economic Structure
   - Base Price: 2 ERG per Right
   - Tiered Discounts
   - NFT Bonus System
3. Management Tools
   - Parameter Adjustment Interface
   - Reserve Management Dashboard
   - Fee Collection System
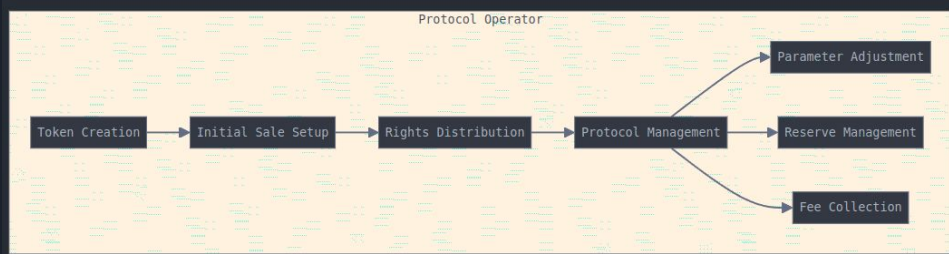
MINER RIGHTS PROTOCOL

Initialize Protocol

Total NFTs	Initial Reward/Block
1000	10

Distribution Pattern	Interval (blocks)
▲ Halving Curve	10000

Rights Token Price (ERG)	Protocol Fee %
0.1	5

Preview Distribution   Initialize Protocol

Distribution Preview

Block Height	NFT Reward
0	10.00
10,000	5.00
20,000	2.50
30,000	1.25
40,000	1.00

Required Initial Funding: 2.005 ERG

Protocol Operator

Token Creation → Initial Sale Setup → Rights Distribution → Protocol Management → Parameter Adjustment

Protocol Management → Reserve Management

Protocol Management → Fee Collection

Rights Holder Experience

Participation Flow

1. Purchase Rights
   - Minimum: 1 Token
   - Maximum: 500 Tokens
   - NFT Bonus Thresholds
2. Mining Operations
   - Block Discovery
   - Reward Claims
   - NFT Collection
3. Benefits Structure
   - Base Mining Rights
   - NFT Boosts
   - Staking Options
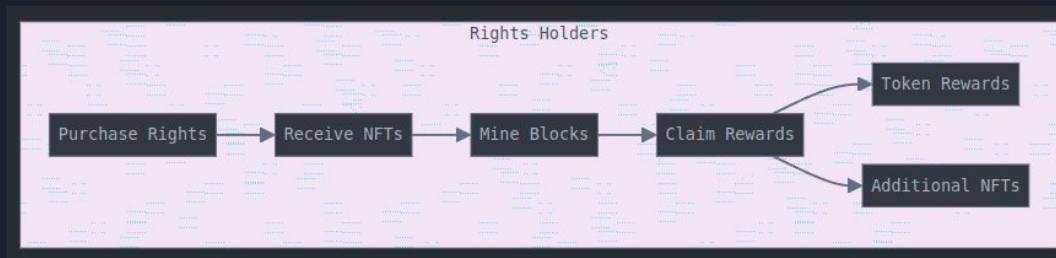
Bot Infrastructure

1. Block Monitoring
   - Real-time block scanning
   - Rights verification
   - Reward calculation
2. Distribution System
   - Automated payments
   - NFT minting
   - Transaction management

Bot Operations

| Block Monitoring | → | Reward Calculation | → | Distribution Bot | → | Transaction Execution |
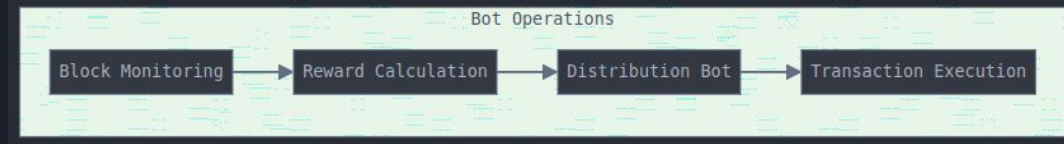
Sample Launch Plan & Metrics

Initial Release

1. Testnet Phase
   - Duration: 1 month
   - Participants: 100-200
   - Success Metrics
2. Mainnet Launch
   - Target Date: Q2 2024
   - Initial Supply: 10M tokens
   - Distribution Period: 3.33 years
3. Economic Projections
   - Year 1: 26.28M tokens
   - First Halving (3.33 years): 87.51M tokens
   - Token Velocity Estimates
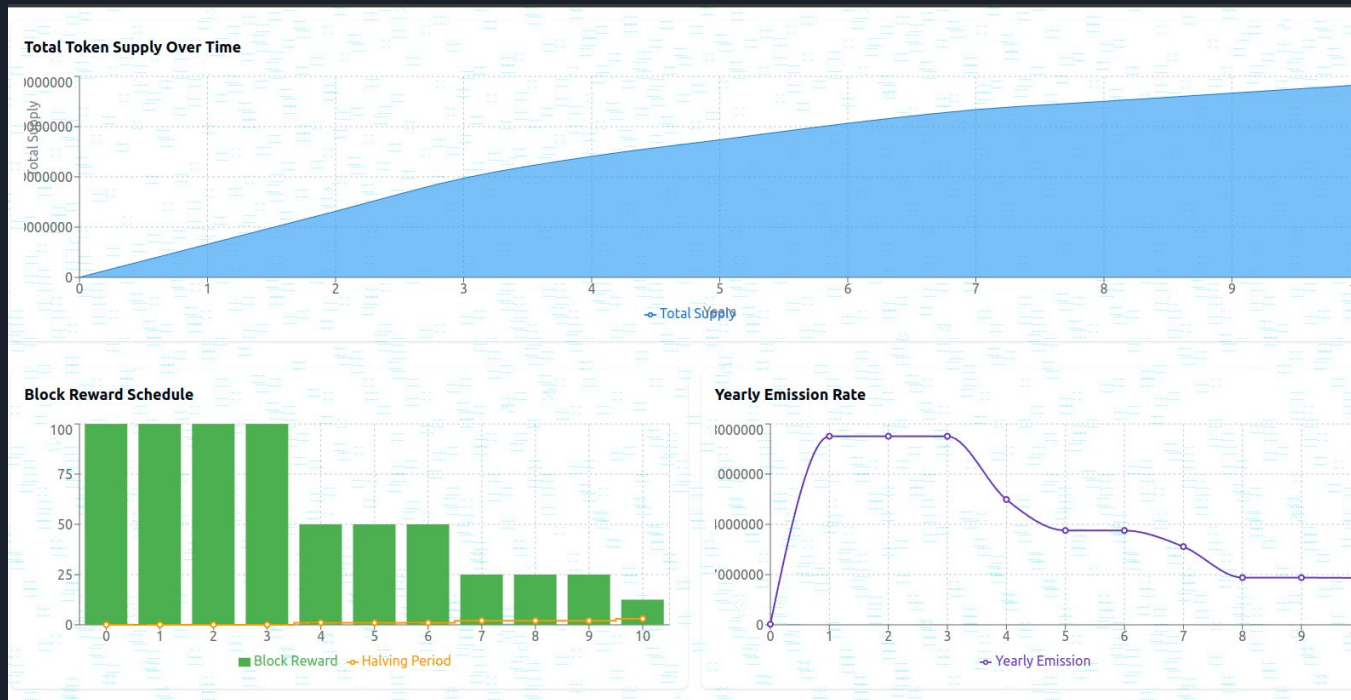
Future Development

Roadmap

1. Phase 1: Basic Rights System
2. Phase 2: NFT Integration
3. Phase 3: Advanced Features
   - Staking
   - Extended Utilities

Community Integration

- Mining Pool Partnerships
- Developer Tools
- Community Governance for launched tokens