

## Whitepaper: Dominy Network (DOM)

**Title:** Dominy: A Centralized Blockchain Network with Quantum Resistance and Emission Guaranteed by Accumulated Reward.

**Abstract:** The Dominy Network emerges as a response to the threat of quantum computing to traditional cryptographic infrastructures. Using the **ML-DSA-65** signature scheme, the network protects the integrity of transactions against Shor's Algorithm. The protocol introduces the concept of "Pulse Life Cycle," ensuring the continuity of the blockchain even during periods of low mining activity

### Key Points:

- **Post-Quantum Security:** Native implementation of LibOQS for transaction signatures
- **Emission Economy:** Total supply of **213 million coins**. The genesis block contains 15 million
- **Adaptive Reward:** Fixed reward per block that decreases over the years (64, 32, 16, 8, down to 2 fixed coins)
- **Accumulation Mechanics:** If a 4-minute block is not mined, its reward is added to the next valid block, preventing the "loss" of coins over time and encouraging miners to turn on their machines to collect the accumulated amount
- **Transaction Priority:** The block limit is **1GB (~200,000 transactions)**. Priority is defined by the fee paid by the user, which is entirely directed to the block validator.