

DigiByte Sentinel-AI – Whitepaper

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1. Overview

DigiByte Sentinel-AI is an anomaly detection and network security intelligence layer designed to strengthen the DigiByte blockchain. It evaluates multiple network signals and produces a real-time threat classification.

2. Purpose

To create a lightweight, AI-assisted monitoring layer that detects entropy instability, transaction irregularities, mempool anomalies, reorg activity, and signature-related risks.

3. Architecture

Sentinel-AI implements:

- Metric normalization
- Weighted risk scoring
- Classification into four threat levels
- REST API interface for easy integration

4. Integration

The system can operate independently as a monitoring service or be integrated into DigiByte node monitoring tools.

5. License

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