**Production Environment Configuration Documentation**

**Purpose:** To document the final architecture and security settings of the live digital ecosystem for long-term sustainability, auditing, and maintenance.

**Key Components:**

* **System Architecture Diagrams:** Cloud-native blueprint showing services like frontend UI, backend API gateway, PostgreSQL database, object storage, caching layer, and third-party integrations.
* **Infrastructure-as-Code Snapshots:** Terraform/Ansible scripts and outputs showing configurations for VMs, firewall rules, security groups, virtual networks, IAM roles.
* **TLS & Encryption Standards:** SSL certificate chains, encryption keys management (e.g., AES-256 for data at rest, TLS 1.2+ for data in transit).
* **DNS and Load Balancing Configurations:** High-availability setup with CDN caching (Cloudflare/AWS CloudFront), geo-routing rules, and failover logic.
* **Monitoring Agent Setup:** Installation and configuration of monitoring tools (e.g., Prometheus, New Relic, ELK stack) for uptime and usage telemetry.