



MASTER ARCHITECTURE DIAGRAM

Workflow Automation Delivery Framework

ENTERPRISE EDITION

Version: 2.0

Date: December 28, 2025

Author: Mirza Iqbal

Contact: mirza.iqbal@next8n.com

Table of Contents

Table of Contents

Master Architecture Diagram

Complete Workflow Automation Delivery System

1. High-Level System Architecture

2. Hosting Models Comparison

3. Data Flow Architecture

4. Security Architecture

5. Project Delivery Pipeline

6. Credential Flow Architecture

7. Error Handling & Recovery Architecture

8. Maintenance & Monitoring Architecture

Architecture Decision Records

ADR-001: Client-Hosted Infrastructure

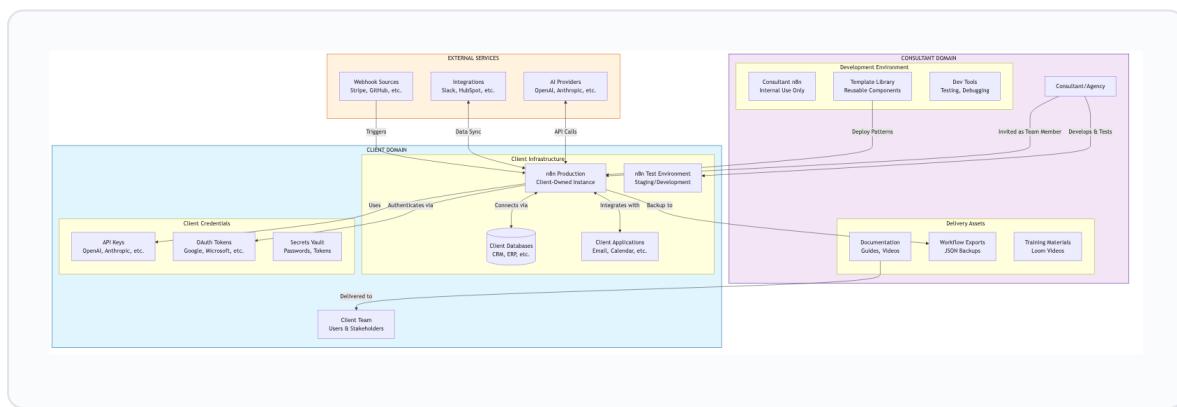
ADR-002: Credential Ownership

ADR-003: Test/Production Separation

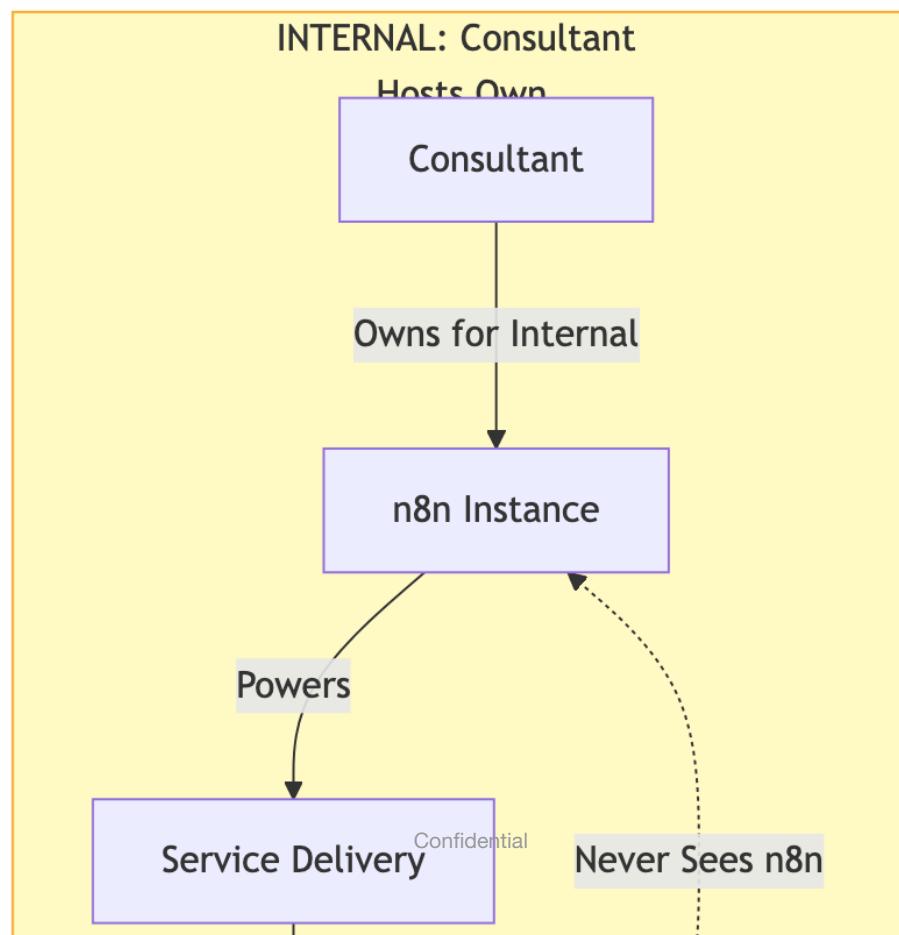
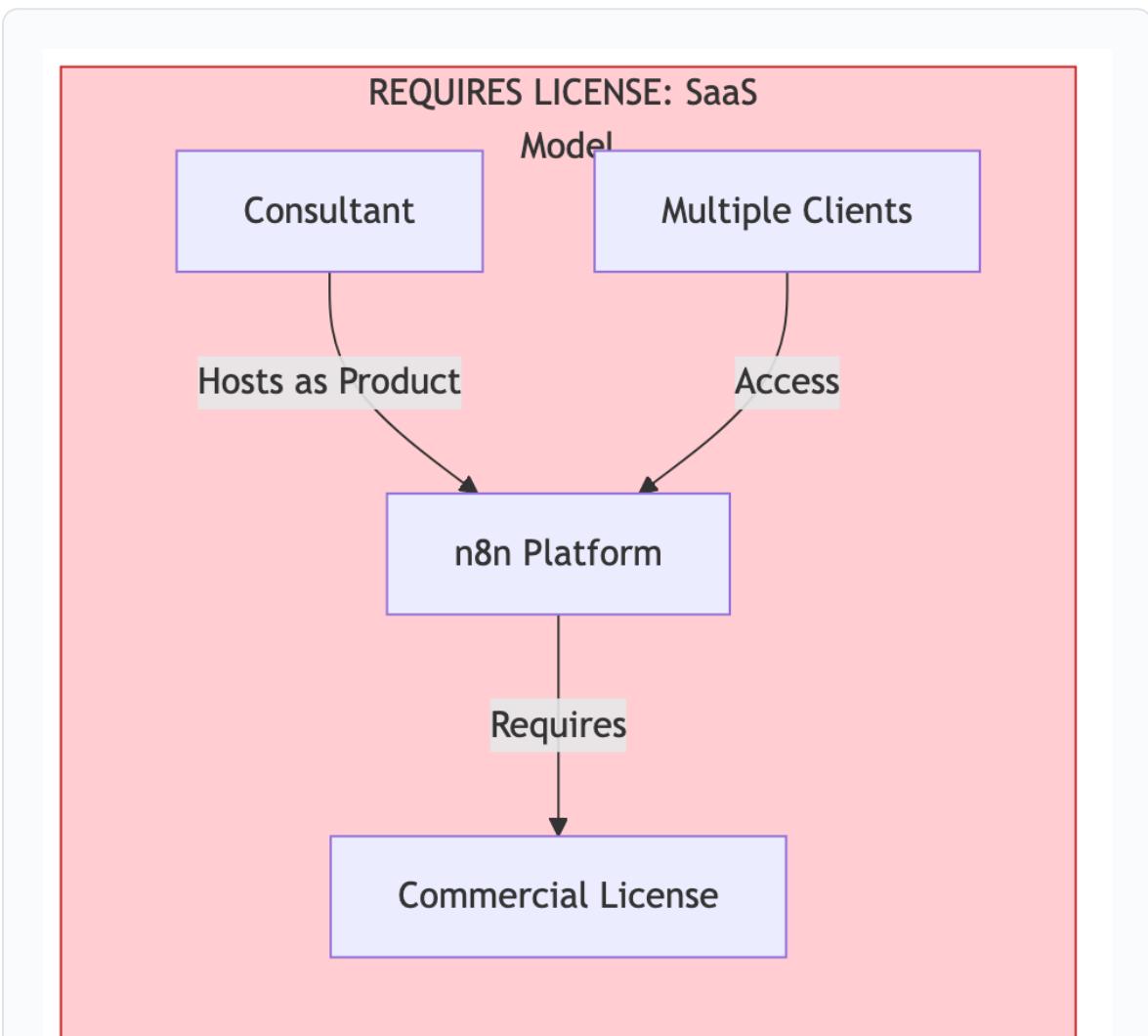
Master Architecture Diagram

Complete Workflow Automation Delivery System

1. High-Level System Architecture

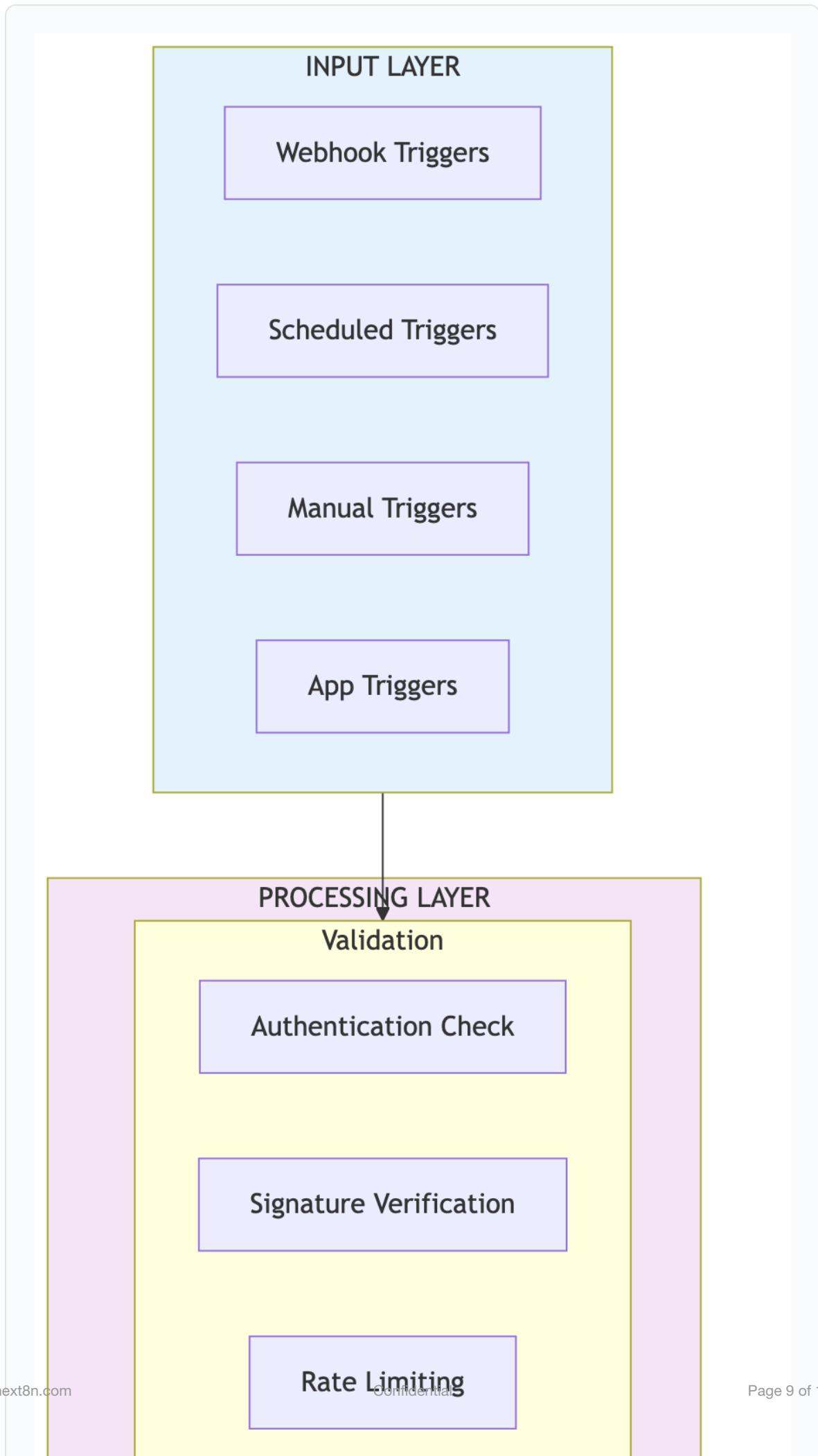


2. Hosting Models Comparison



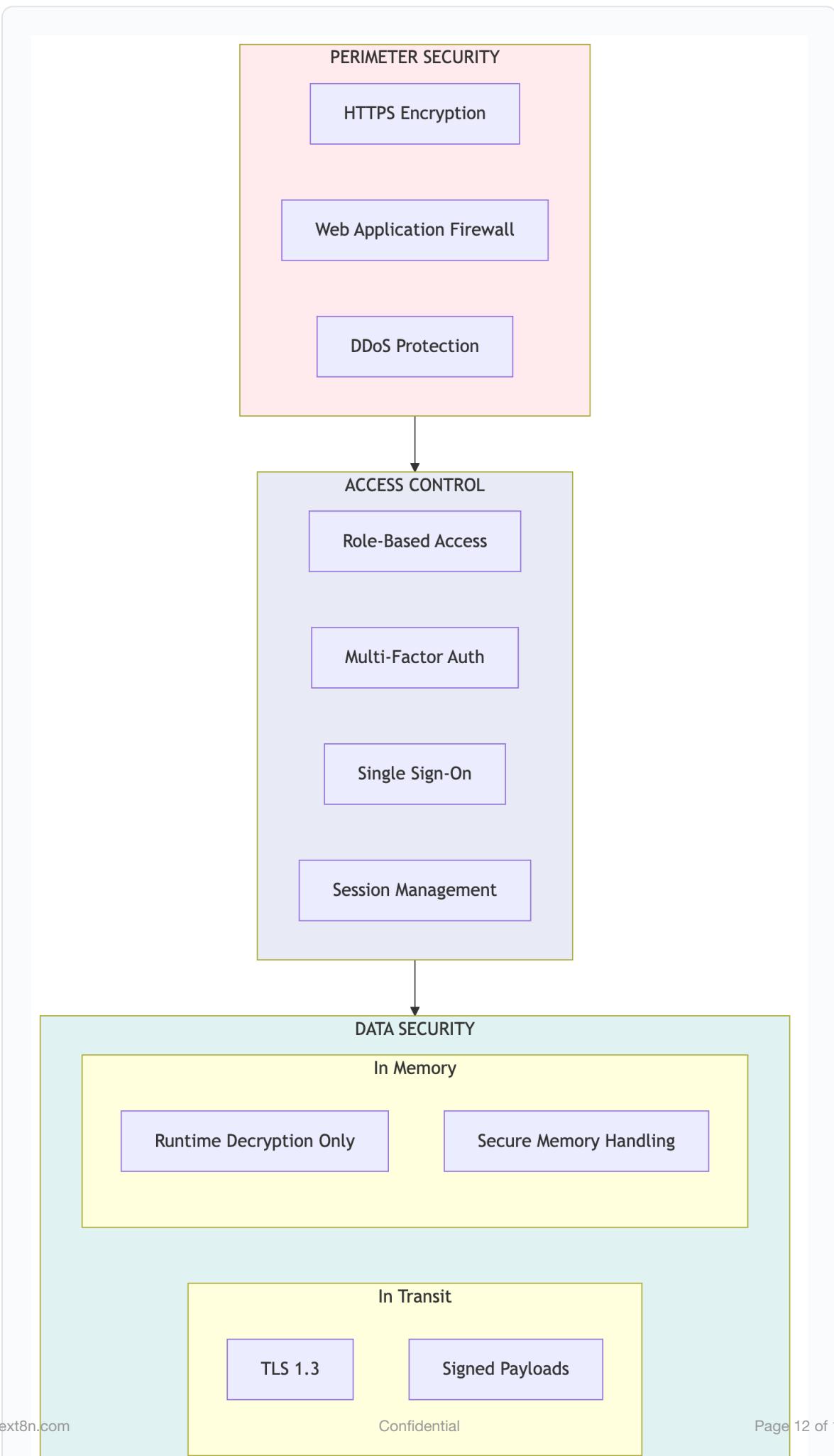
Master Architecture Diagram

3. Data Flow Architecture



Master Architecture Diagram

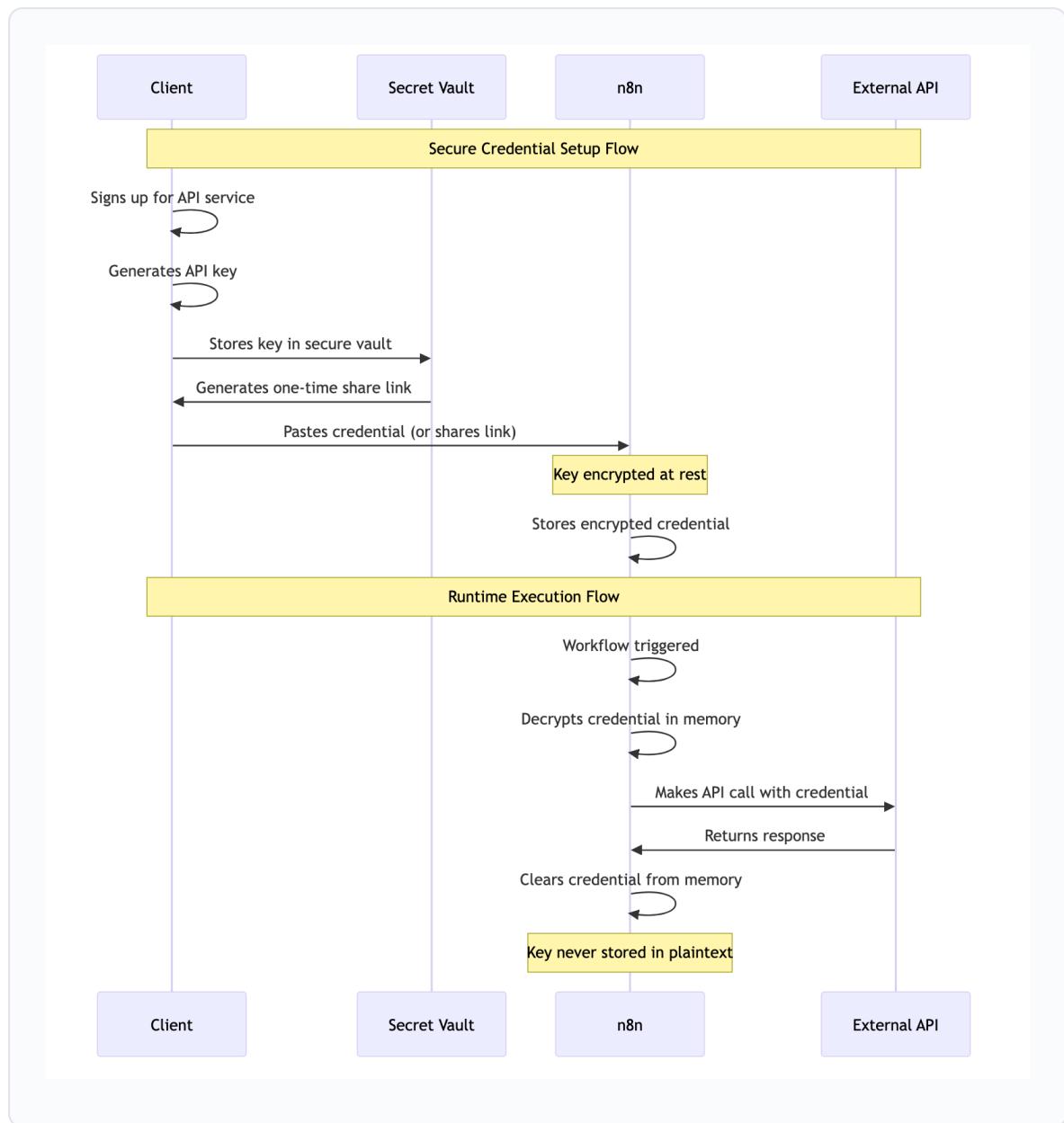
4. Security Architecture



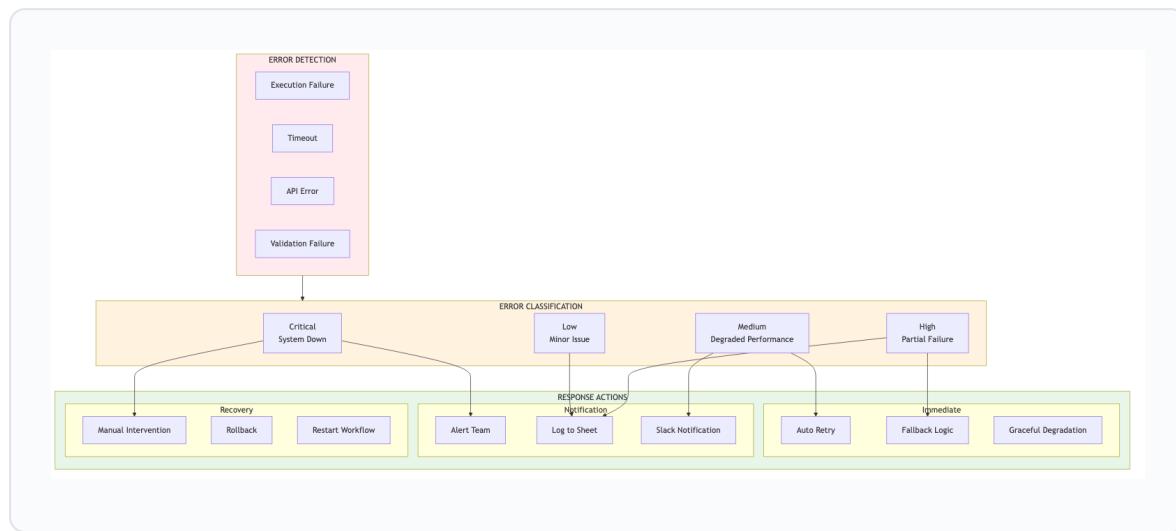
5. Project Delivery Pipeline



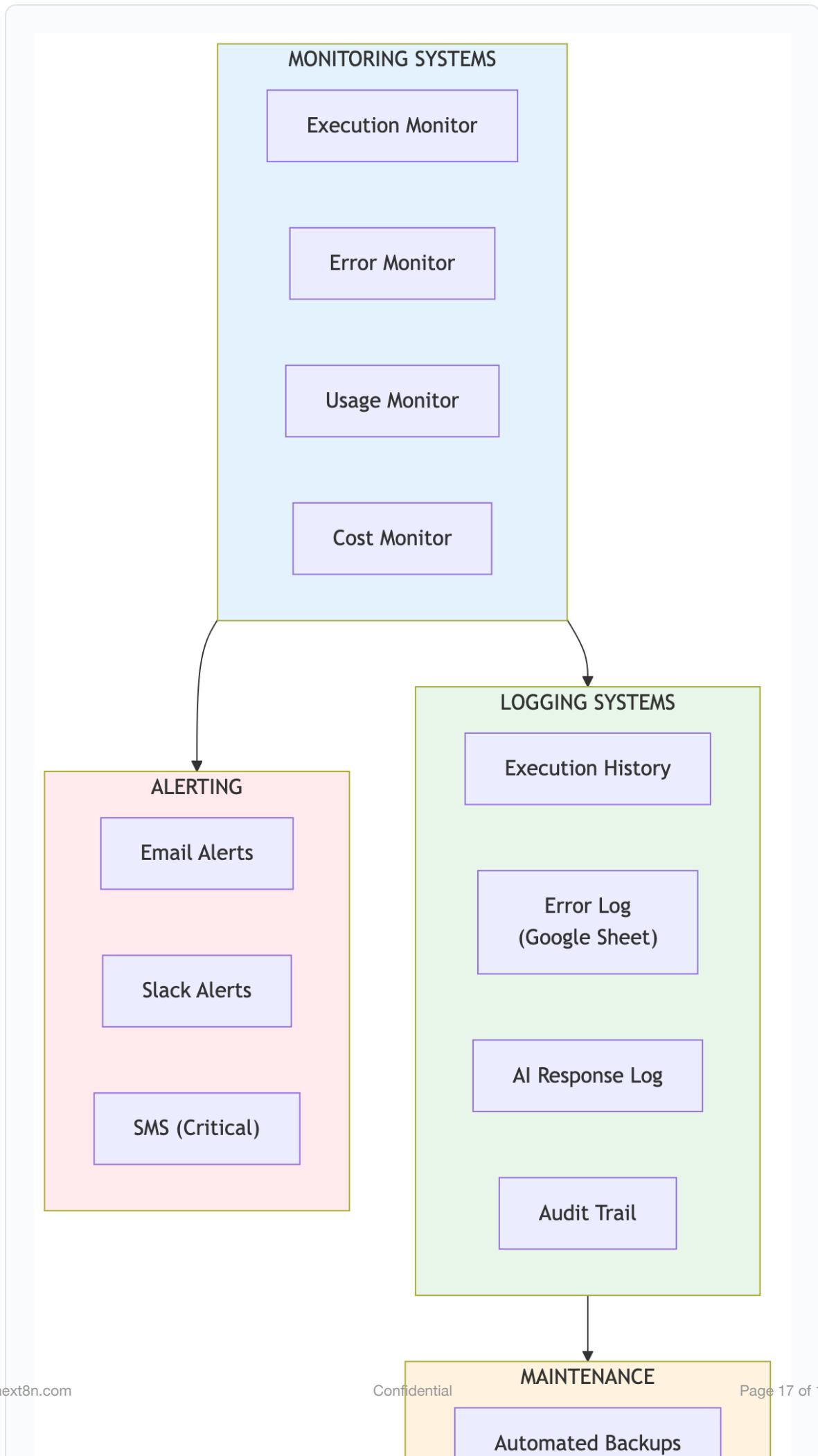
6. Credential Flow Architecture



7. Error Handling & Recovery Architecture



8. Maintenance & Monitoring Architecture



Architecture Decision Records

ADR-001: Client-Hosted Infrastructure

Decision: Clients host their own n8n instances

Rationale:

- Complies with n8n licensing
- Client owns data and credentials
- Clean separation of concerns
- No billing complexity

ADR-002: Credential Ownership

Decision: Clients own and pay for all API credentials

Rationale:

- Transparent billing
- No markup disputes
- Client retains control
- Easier handover

ADR-003: Test/Production Separation

Decision: Maintain separate test and production environments

Rationale:

- Safe testing without production impact
 - Validate updates before deployment
 - Professional development practices
-

Next: See [02-hosting-decision-tree.md](#) for detailed hosting decisions.
