

Product Requirements Document (PRD)

- NexaCore Solutions

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1. Goal and Background

1.1 Executive Summary

[A concise summary (1-2 paragraphs) of the feature or product being built, why we are building it now, and the primary business outcome (e.g., increase customer retention by 5% in Q3).]

1.2 Business Opportunity / Problem Statement

What specific customer pain point are we solving? (Cite evidence from UX research, Sales reports, or Customer Support tickets).

- **The Problem:** [Clear, single statement of the current issue.]
- **Target Persona:** [e.g., Enterprise IT Director, Mid-Market Operations Manager]

1.3 Success Metrics (Key Results - KRs)

How will we measure success one quarter after launch? (Must be quantifiable and tied to the Product OKRs).

- KR 1: Increase monthly active users of the feature by [X]%.
- KR 2: Reduce the average time spent on manual [Specific Task] by [Y]% for the target persona.
- KR 3: Achieve a Product-Qualified Lead (PQL) score of [Z] from beta users.

2. Target Feature / Solution Overview

2.1 Proposed Solution

[Detailed explanation of the feature. Use visuals or wireframe links here.]

2.2 Out of Scope

[Clearly list what is explicitly *not* being built in this release to manage expectations.]

3. User Stories

List mandatory user stories that the R&D team must implement.

ID	Priority	User Story	Acceptance Criteria
US-001	High	As an Enterprise Admin , I want to define role-based access to the new feature, so that I can control who manages sensitive automation workflows.	Must support integration with corporate SSO (SAML 2.0) and map roles: Viewer, Creator, Manager.
US-002	Medium	As a Workflow Creator , I want to receive an email notification when my automation successfully completes, so that I don't have to constantly check the dashboard.	Email trigger must be configurable (on success, on failure, or both).
US-003	High	As a System , I must be able to process [X] events per second, so that we meet the performance requirements of our largest clients.	Latency (P95) must be under [Y] milliseconds.

4. Technical and Functional Requirements

4.1 AI / Logic Requirements

- [e.g., The model must be retrained monthly.]
- [e.g., Must use gemini-2.5-flash for initial summarization tasks.]

4.2 Security and Compliance

- Must enforce data residency rules for MENA clients.
- All data storage must use AES-256 encryption.

4.3 Monitoring and Operations

- Must include logging for all API calls and errors in Datadog.
- Requires a new P2 alert if the feature's daily failure rate exceeds 1%.