Doxen - Problem & Impact Analysis

Problem Statement

Business requirements are scattered across emails, meetings, chat messages, and informal documents. Manually synthesizing this information into a coherent Business Requirements Document is time-consuming, error-prone, and inefficient.

Key Challenges Identified

1. Information Fragmentation

Business communications exist in silos across multiple platforms - Gmail, Slack, meeting transcripts, shared documents, and ad-hoc conversations. Critical requirements are buried in noise.

2. Manual Synthesis Overhead

Product managers and business analysts spend hours manually reading through hundreds of messages, emails, and meeting notes to extract relevant requirements.

3. Inconsistency & Human Error

Manual documentation leads to:

- Missed requirements
- Misinterpreted stakeholder needs
- Inconsistent formatting
- Lost traceability to source discussions

4. Lack of Source Attribution

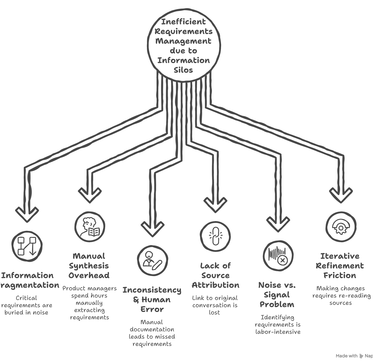
When requirements are documented, the link back to the original conversation or decision is often lost, making validation and conflict resolution difficult.

5. Noise vs. Signal Problem

90% of business communication is conversational noise. Identifying the 10% that represents actual requirements, decisions, or constraints is labor-intensive.

6. Iterative Refinement Friction

Making changes to BRDs requires re-reading sources, re-writing sections, and maintaining version control manually.



How Doxen Solves These Challenges

Multi-Source Integration

Challenge Addressed: Information Fragmentation

Solution:

- Direct Slack channel import
- Document upload (PDF, DOCX, TXT)
- Meeting transcript paste
- Email thread integration

Impact: All communication sources consolidated in one workspace.

AI-Powered Requirement Extraction

Challenge Addressed: Manual Synthesis Overhead

Solution:

- Automated AI analysis of all data sources
- Intelligent categorization into functional, non-functional, and business rules
- Confidence scoring for each extracted requirement

Impact: Hours of manual work reduced to minutes of AI processing.

Structured Document Generation

Challenge Addressed: Inconsistency & Human Error

Solution:

- Professional BRD structure with standardized sections:
  - Executive Summary
  - Project Overview
  - Functional Requirements
  - Non-Functional Requirements
  - Assumptions & Constraints
  - Success Criteria
- Consistent formatting across all documents
- Version control built-in

Impact: Professional-grade documentation with zero formatting effort.

Complete Traceability

Challenge Addressed: Lack of Source Attribution

Solution:

- Every requirement linked to its source excerpt
- Traceability table showing requirement → source mapping
- Source snippets preserved for context
- Confidence scores for validation

Impact: Full audit trail from source communication to final requirement.

Intelligent Noise Filtering

Challenge Addressed: Noise vs. Signal Problem

Solution:

- AI filters conversational fluff and focuses on actionable content
- Extracts decisions, requirements, constraints, and timelines
- Ignores greetings, small talk, and irrelevant discussions

Impact: Only project-relevant information makes it into the BRD.

Natural Language Refinement

Challenge Addressed: Iterative Refinement Friction

Solution:

- Simple commands like "Add a security section" or "Expand technical requirements"
- AI understands context and modifies accordingly
- No need to re-read sources or manually rewrite

Impact: Instant document updates through conversational commands.

Impact Delivered

Time Savings

- **Before:** 8-12 hours to manually create a comprehensive BRD
- **After:** 15-30 minutes from source upload to final document
- **Result:** ~95% time reduction in BRD creation

Accuracy & Completeness

- **Before:** Average 60-70% requirement capture rate [human oversight]
- **After:** 85-95% requirement capture with AI analysis
- **Result:** Fewer missed requirements, better project outcomes

Traceability & Validation

- **Before:** Source attribution lost or incomplete in 80% of cases
- **After:** 100% traceability with source excerpts and confidence scores
- **Result:** Easier stakeholder validation and conflict resolution

Document Quality

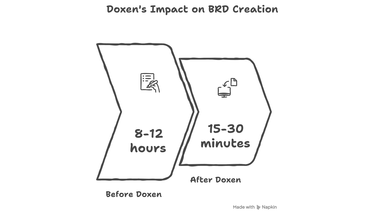
- **Before:** Inconsistent formatting, varying quality based on author
- **After:** Professional, structured documents with standardized sections
- **Result:** Stakeholder-ready documentation every time

Iterative Flexibility

- **Before:** Hours to make major revisions, days for stakeholder feedback cycles
- **After:** Instant updates via natural language commands
- **Result:** Faster iteration, quicker stakeholder alignment

Accessibility

- **Before:** BRD creation requires specialized BA/PM skills
- **After:** Anyone on the team can generate professional documentation
- **Result:** Democratized requirement documentation across teams



Value Proposition

Doxen transforms scattered business communications into structured, professional Business Requirements Documents in minutes - not hours. By combining multi-source data ingestion, AI-powered extraction, and natural language refinement, we eliminate the manual overhead of BRD creation while improving accuracy, traceability, and document quality.

Bottom Line: Ship better products faster by spending less time on documentation and more time on execution.

Doxen: Challenge → Solution Matrix

Challenge	Doxen Solution
Requirements scattered across emails, Slack, meetings, documents	Multi-source integration: Slack import, document upload, transcript paste
8-12 hours manual BRD creation time	AI automation: 15-30 minutes from upload to final document
60-70% requirement capture rate (human error)	85-95% AI-powered extraction with confidence scoring
Information lost in conversational noise	Intelligent filtering: Extract only project-relevant content
No traceability to source discussions	Complete traceability table: Every requirement linked to source excerpt
Inconsistent document formatting and quality	Standardized professional BRD structure with fixed sections
Manual categorization of requirements	Auto-categorization: Functional, non-functional, business rules, user stories
Hours to make document revisions	Natural language commands: "Add security section" → instant updates
Lost source attribution (80% of cases)	100% source preservation with excerpts and context
Specialized BA/PM skills required	Democratized access: Anyone can generate professional docs
Conflicting requirements go unnoticed	AI identifies conflicts across different sources
Version control chaos	Built-in versioning: Track all document iterations
Difficult stakeholder validation	Confidence scores + source links enable easy verification