



Making legacy system knowledge usable

A shared understanding of the systems your business depends on.

Afunana turns IBM i and Oracle source code into connected, searchable knowledge. It helps teams understand business rules, preserve expertise and plan change using evidence from the system itself.

EXECUTIVE OVERVIEW

Long-running applications contain years of business decisions: the rules that determine eligibility, the exceptions that shape a calculation and the relationships that connect one process to another. Making that knowledge accessible is valuable whether the organization intends to maintain, extend or modernize the system.

Afunana brings together structured analysis and AI-generated explanations. It maps the relationships in the analyzed source, produces documentation for different audiences and supports questions with source references. Existing specifications and expert notes can enrich the same knowledge base.

The result is a practical foundation for conversations between managers, analysts and developers: what the system does, how its parts connect and what a proposed change may affect.

IBM i / AS/400 • Oracle applications

Business understanding. Knowledge continuity. Informed change.

From source code to shared system knowledge

An application is more than a collection of programs. Understanding it requires a view of the relationships between them.

A connected view of the application

Afunana reads the agreed source and builds a model of programs, files and fields and the relationships between them. Teams can move from a system overview into a business area, an individual program or a specific field. This context helps answer questions that would be difficult to resolve by reading one program in isolation.

Business meaning alongside technical detail

Generated documentation describes purpose, processing logic and business rules. Different views serve business readers, analysts and developers, so each can work at an appropriate level of detail. Visual maps, data dictionaries and cross-references help connect the explanation to the underlying system.

Questions with evidence people can review

Users can ask questions in everyday language and follow citations into the supporting source. A specialist can inspect the evidence, check an interpretation and add context. Structural checks also identify specific code patterns for review; on IBM i, dependency verification can compare documented calls with the platform's own cross-reference.

Knowledge that can be refreshed and enriched

Rebuilds update the analysis as source changes. Existing specifications, manuals and analyst notes can be included in the searchable knowledge base, bringing documented context together with what the source reveals. Expert review adds the business intent that code alone may not explain.

QUESTIONS TEAMS CAN EXPLORE

Where is this business rule implemented?

Which programs and data are connected to this process?

What should we review before changing this field?

Illustrative questions for a focused evaluation.

Useful across teams and across the application lifecycle

A shared source of system knowledge supports everyday work as well as longer-term decisions. The value can be evaluated through concrete team tasks.

01

Preserve institutional knowledge

When responsibilities move between people or teams, accessible explanations provide continuity. Afunana gives specialists a place to connect what the source reveals with the context they know, making that understanding easier to share and revisit.

02

Support onboarding and handovers

A new colleague can start with the application's purpose, navigate to a process and follow its related programs. Documentation and cited answers give onboarding a structured starting point and help focus conversations with experienced staff.

03

Inform change planning

Dependency views and field references help teams investigate the reach of a proposed change. Generated change plans can support discussions about scope, sequence and regression testing, with implementation decisions remaining under the team's control.

04

Make maintenance investigations easier

Searchable explanations help developers and analysts find context around unfamiliar code. Teams can move between questions, documentation and source references while investigating behavior, rather than assembling the same background separately each time.

05

Prepare for modernization

Business rules, dependencies and data definitions help establish what the existing application actually does. This provides a basis for scoping a migration, comparing design options and identifying behavior that should be preserved in a future system.

06

Support review and assurance

Structured documentation, quality findings and source references provide material that reviewers can inspect. Analysts, technical reviewers and audit teams can use these outputs as inputs to their own evaluation and evidence-gathering processes.

Start with a focused proof of concept

Use one meaningful application or subsystem to demonstrate how connected system knowledge can support your organization.

Fit the organization's operating requirements

Afunana runs on customer infrastructure and supports configurable AI providers, including local-model options. Search embeddings are computed locally. If a cloud model is selected, relevant source and context may be sent to that provider. Deployment, provider choice and network policy are agreed together.

Enterprise sign-in options, collection-level access, audit records and AI usage metering support operational oversight. Your team defines the access boundaries and governance settings appropriate to the deployment. The web application serves a broad audience; developer integrations bring the same knowledge into existing tools.

A PRACTICAL EVALUATION

01 Choose the scope

Select an application, representative questions and the specialists who will assess the answers.

02 Agree the setup

Confirm source access, deployment, AI provider, user access and success criteria. Begin with analysis, without enabling source-code write-back.

03 Review the outputs

Explore the generated overview, rules, dependencies and cited answers with the people who know the system.

04 Evaluate the value

Assess usefulness, coverage, effort spent finding answers and operating fit. Use that evidence to decide the next scope.

This paper describes capabilities and intended uses. POC scope, timing and success measures are agreed with each organization.

Discuss the application you want to understand.

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