AVERI™ FOR AVERISOURCE ANALYZE

Scan
Evaluate the legacy codebase and determine risk.

Inventory
Assess the contents of the legacy estate.

Discover
Unravel application architecture and data handling.

Analyze
Examine execution paths and business rules in-depth.

Transform
Leverage AI to modernize legacy code.

Averi for AveriSource Analyze is a new GenAI assistant--now available within the AI-powered, AveriSource Platform. Averi enables a new suite of AveriSource GenAI solutions for modernization assessments and business requirements documentation.

Problem

Analyzing complex code and creating Business Requirements Documents (BRDs) requires many subject matter experts, business analysts, and users days or weeks to accomplish. The documents created do not follow required standards or writing styles, due to varying formats and degrees of depth, resulting in added complexity, inefficiency and longer delivery times.
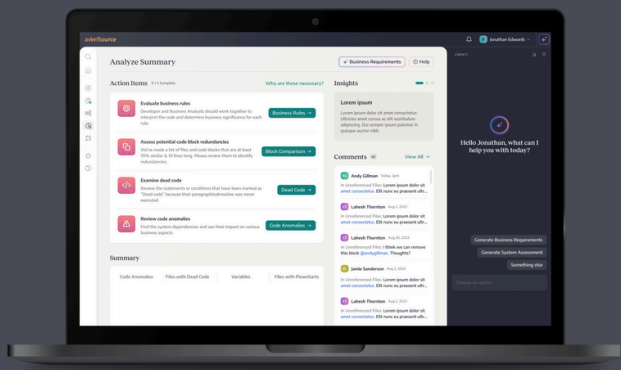
√ Solution

Averi for AveriSource Analyze combines the powerful AveriSource knowledgebase with popular Large Language Models (LLMs) for rapid creation of Business Requirements Documents using Natural Language Processing (NLP). **Averi for AveriSource Analyze** easily integrates with AWS Bedrock and Anthropic Claude 3 for cloud generation of business requirements documentation or with Meta Llama 3.1 for flexible on-prem document generation. **Averi** eliminates tedious tasks, taking delivery time from days or weeks to just minutes while standardizing reporting for business and technical users.

AveriSource Analyze is the industry-leading business rules extraction product enabling analysis for accelerated re-engineering, re-architecture, or rewrites. **Analyze** can assist when repurchasing or replacing applications with commercial-off-the-shelf (COTS) packages accelerating data migration planning and analysis, and with Business Rules Extraction for use in gap analysis comparing business functions and process flow in the packaged applications.
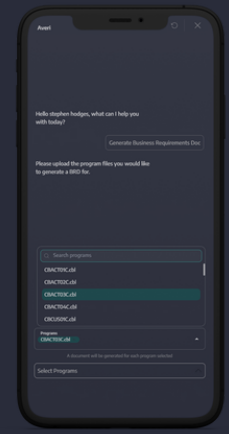
```
1   GENERATE-NEW-ACCOUNT.
2       MOVE SPACES TO NEW-ACCT-NUM.
3       MOVE 0 TO VALIDATE-FLAG.
4   * GET CURRENT HIGHEST ACCOUNT NUMBER
5       MOVE "99999" TO ACCTDO
6
7
8
9
10
11
12
13
```
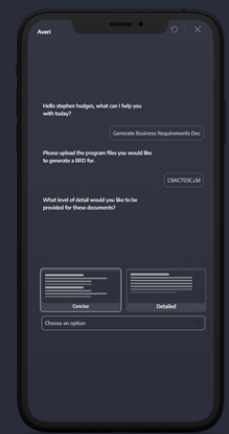
⚠ 5 duplicate files

⊗ 25 dead code blocks

√ Generate a Business Requirements Document (BRD), per program, in Microsoft Word format.

√ Choose to generate a concise or detailed Business Requirements document.

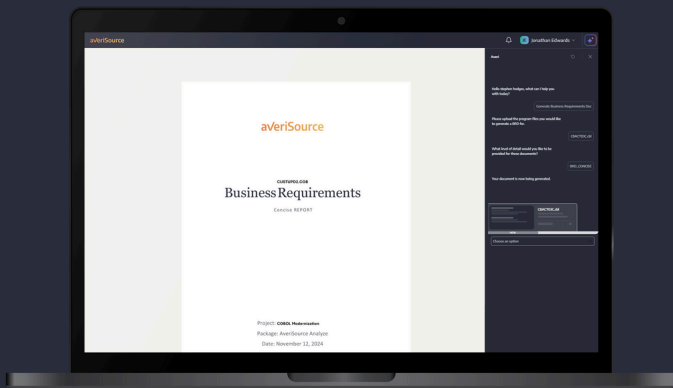√ Preview and download the business requirements document.

Averi for AveriSource Analyze generates a BRD per each selected program, including a summary description of the purpose of the selected program, high-level business objectives, and a business rules summary listing the types of rules identified and count metrics.

Through a series of visual and interactive prompts, **Averi for AveriSource Analyze** provides the option of generating a concise or a detailed requirements document and provides a preview window along with an option to download the report.

Once generated, the BRD contains the following sections: Overview, Key Business Objectives, Business Rules Summary, and Functional Requirements with a detailed breakdown of each paragraph or method in the program, defining the steps taken in the routine and the business rules executed.

The BRD also includes an Input / Output section conveying the datasets or database tables and the data operations for each program, followed by sections describing code duplication and source code dependencies.

Implementation Requirements

Hardware

- ✓ 1 server (2 if DB installed separately)
- ✓ 12+ CPU cores (per server)
- ✓ 64+ GB memory (minimum, per server)
- ✓ 500 GB storage (minimum, per server)

  LLM (on-prem)
- ✓ 8 x 80 GB NVIDIA A100 Tensor Core GPUs
- ✓ 96 vCPUs
- ✓ 4Network Bandwidth: 400 Gbps
- ✓ 8 x 1.88 TB NVMe SSDs

Software

- ✓ Windows Server (v2012 R2 or greater)
- ✓ ASP.NET Core 8.0.3 – Shared Framework
- ✓ IIS (v8+)
- ✓ MS SQL Server (v2016+)
- ✓ SQL Server Management Studio (SSMS), compatible version with DB server
- ✓ Microsoft Word (v2016+)
- ✓ Microsoft Excel (v2016+)
- ✓ Chrome Web Browser (latest)

For more information about **Averi for AveriSource Analyze**, visit our website. For sales inquiries and to book a demo of the AveriSource Platform and new GenAI Solutions, email us at
hello@averisource.com

Contact Us

Software

- ✓ Python API services for GenAI
- ✓ Ubuntu 22.04 LTS
- ✓ Python v3.10.12 (with Ubuntu 22.04 LTS)
- ✓ Microsoft ODBC 18 Drivers

  LLM (on-prem)
- ✓ Llama on Ubuntu -Llama3.1:8b