

Within the AveriSource Platform™, the customer journey begins with **Scan**, our freemium offering designed to get you started easily through rapid codebase insights and analysis. Quickly scan your code, assess risk, and plan your modernization journey. **Scan** provides essential tools needed to build a modernization plan tailored to your business strategy or help you develop one.



Problem

Businesses don't often know the specific content and sizing of their application portfolio. The collection and analysis of source code to determine the dependencies, languages, number of components, and lines of code can take even the most sophisticated subject matter experts weeks—or even months—to uncover, with considerable effort and time outside their daily assignments. Determining if there are missing items or if items assessed belong to the specific applications slated for modernization planning is a slow and error-prone task.

Finding software products that accomplish an initial assessment of the legacy application portfolio is easy, but engaging with software and consulting vendors to assist in application component identification and codebase sizing efforts can be a lengthy, laborious, painful, and costly endeavor.



Solution

With three decades of application modernization experience and over two billion lines of code parsed, AveriSource understands the issues of legacy application modernization planning. For this initial assessment process, we provide **AveriSource Scan**, our **freemium offering** and initial assessment product to help IT leaders determine the content and sizing of their application portfolio, tailored to their modernization path of choice for mainframe and midrange systems.

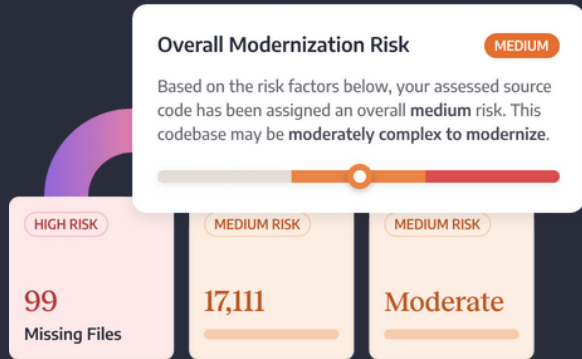
Simply download **Scan** from [AveriSource.com](https://www.averisource.com) or the **AWS Marketplace** to get started. **Scan** is a Windows command line executable. Just provide the location of your downloaded source folder and begin scanning your legacy source code. **Scan** will automatically recognize **COBOL**, **RPG**, **JCL**, and **Assembly** language without file extensions, with other languages detected using file extensions.

LANGUAGE	FILES	MISSING	UNREFERE...	LINES OF CODE
COBOL	10	10	5	9,608
JCL	12	34	2	1,150
Totals				

Languages	Files Received	Lines of Code
8	77	172,111

Scan is blazingly fast and provides a detailed HTML-based findings report with a **File Analysis** summary, identifying the source types found, component counts, missing item counts, unreferenced item counts, and lines of code.

Scan also generates a **Risk Factor Breakdown** report providing critical insights on issues to consider when beginning your modernization project planning.



RISK FACTOR BREAKDOWN

MEDIUM RISK

Moderate
Logic & Flow

Business Logic and Program Flow
Addresses the number of decision points and branches

MEDIUM RISK

17,111
Lines of Code

Codebase Size
Calculates the number of lines of code

LOW RISK

52
Unreferenced

Unreferenced Files
Indicates errant items or possibly other missing files

HIGH RISK

8
Languages

Programming Languages
Identifies less common legacy languages

MEDIUM RISK

17%
Comments

Internal Documentation
Provides a percentage of comments

MEDIUM RISK

Flat
Data Persistence

Persistence Technology
Indicates storage methods within your codebase

LOW RISK

Little
User Input

User Interface
Relates types of interfaces and ease or complexity of application modernization

HIGH RISK

99
Missing Files

Missing File References
Provides notification of an incomplete codebase

MEDIUM RISK

Native
Reporting

Reporting
Relates effort for modernization activities

Scan is a standalone product and is also integrated into the **AveriSource Platform** enabling additional and separate scanning to be done while executing **application maintenance**, **source code optimization**, **business rule analysis**, and **extraction**, or **code transformation** projects.

The screenshot shows the AveriSource Scan dashboard interface. At the top, it displays the user's name 'AVS User' and the current client/project name. The main content area is divided into several sections:

- Summary:** A table of key statistics:

Languages	Files Received	Missing Files	Unreferenced Files	Lines of Code
8	77	99	52	172,111
- Primary Risk Factors:** A list of five risk categories:
 - 99 Missing Files (HIGH RISK)
 - 8 Languages (HIGH RISK)
 - 17,111 Lines of Code (MEDIUM RISK)
 - Moderate Logic & Flow (MEDIUM RISK)
 - 17% Comments (MEDIUM RISK)
- Action Items:** Two items, both 'Review Risk Factors', are marked as 'Completed'.
- Insights:**
 - Overall Modernization Risk:** MEDIUM. Text: 'Based on the risk factors below, your assessed source code has been assigned an overall medium risk. This codebase may be moderately complex to modernize. You may need to address some issues in the code before modernizing. There is some flexibility in choosing the modernization approach.'
 - License Usage & Project Requirement:** A progress bar showing 381,183 lines used, 172,111 required, and 1,000,000 licensed.
 - Manual Effort:** 5000 HRS. Text: '5000 hours are estimated to manually analyze your codebase. The AveriSource Platform can shorten that time and help your organization plan the best modernization strategy.'

System Requirements: Scan runs on Windows 10 or 11 on machines with at least 8 Gb of RAM.

Our mission is to help you accelerate your application analysis and modernization journey. For sales inquiries and to book a demo of the AveriSource Platform, email us at hello@averisource.com or click the button below.

[Contact Us](#)

For more information about the use of **AveriSource Scan**, including application analysis, business rule extraction, AI-powered code transformation, application modernization roadmap assessment, supported platforms, languages, and databases, visit our website.

[Get Started for Free](#)