

Enterprise Application Viewer Rapid Program Modernization



Rapid Program Modernization

Mainframe Maps to Web Pages:

- View your BMS or Natural maps with eav
- Right click to copy a map
- Click to paste the map into a new web page
- Click to add your logo
- Click to change the header date, time and user info to be browser-based
- Drag and drop data from DB2, SQL Server or Oracle into the fields on your new web page
- Click to change the look, feel and flow of the application

New Look, Feel and Touch:

- Click to add buttons, checkboxes, radio buttons and pull-downs
- Click to change repeating fields to grid views, paging objects or data views

Retained Business Rules:

- View your COBOL or Natural code with eav
- Select long-standing business rules that run your business
- Right-click to copy the COBOL or Natural rules
- Click to paste the rules as C# or Java
- Paste rules to the new objects on your pages

eavRPM allows **mainframe** developers to create new business applications in native open systems using C# or Java, without knowing C# or Java. COBOL and Adabas Natural developers can now copy and paste mainframe maps, business rules and other source code from mainframe languages to web pages quickly and easily. **The result:** native web applications with no middleware, no blackboxes, and no ongoing license fees. **The benefit:** leverage of your proven business rules with a brand new user interface, continued keyboard features with new mouse-driven and scrollable features, and much lower operating costs for your organization. **The bottom line:** less cost, more features, full agility, complete scalability, and the ability to add colors, graphics, video and all of the visual interest that today's world wide web offers.

eavRPM uses your mainframe applications as the basis for new off-mainframe applications. It quickly transitions your mainframe programmers into web developers. It uses terms and tools that a mainframe programmer understands, but produces object-oriented applications that are easy for your C# and Java teams to maintain and enhance. It produces web applications that contain the business processes that you use today along with all of the enhancements that the web offers - mouse-driven features, pull-downs, checkboxes, gridviews, etc.

For pennies per screen in an afternoon, your mainframe developers leverage your existing applications to construct the entire web application prototype, including all of the screen layouts and full screen-to-screen traversal. The new HTML pages and the C# or Java code-behind files are generated by **eavRPM** based upon the existing map layouts. Your mainframe developers then begin to copy-and-paste the business rules into the new pages.

Finally, your existing COBOL and Natural development team can convert existing mainframe applications to the web. Teams need to know the current application language and how they work. **eavRPM** does the rest.

The development of Enterprise Application Viewer Rapid Program Modernization (**eavRPM**) was driven by market demand for a complete suite of tools that enable concurrent application modernization during the conversion process. In essence, companies that wanted to be able to modernize their applications at the same time they were migrating to newer platforms can now accomplish this goal with **eavRPM**. It is possible to take full advantage of relational technologies, such as Microsoft's SQL Server, and new platforms, such as the .NET Framework.

With **eavRPM**, your IT team can seamlessly convert from mainframe applications to C# or Java while also having the freedom to customize the user interface and the functionality of your existing applications.



eavRPM Features

- Provides an intuitive Graphical User Interface for ease of use
- Captures map layouts with the ability to copy and paste BMS MAPS or Natural MAPS, turning them into HTML and ASPX with C# code-behind files or to Java running in the IDE of your choice
- Works with SQL Server, Oracle or DB2 data stores. The new database can be a mirror of an existing database, created from scratch or fit into your purchased ERP or SAP package.
- Permits viewing and querying data during the development lifecycle
- Allows a COBOL or Natural developer to create native C# or Java applications
- Produces self documenting and well structured applications
- Allows rapid modernization and conversion
- Captures lines of code from mainframe to C# or Java
- Uses eav's underlying SQL Server database
- Provides eav's viewing capabilities
- Permits application and program traversal
- Produces program and relationship diagrams for understanding
- Includes conversion features
- Captures and converts line-by-line to C# and Java
- Processes re-naming rules
- Generates automatic buttons, pull-downs, grids and scroll bars
- Allows enhancement of existing mainframe functionality

Reduced Costs

From a business perspective, **eavRPM** makes fiscal sense. It frees companies of the licensing fees that can often cripple an IT budget, costing tens of thousands of dollars. With **eavRPM**, once the conversion is complete, you won't need to use it any longer. There are no hidden licensing fees or proprietary software to hold your organization financially or structurally captive. **eavRPM** is simply a powerful tool to facilitate the conversion's modernization and is not tied to your program's ultimate functionality.

Also, because users don't need to know how to program in C# or Java – they only need to know how the application works – you won't incur the additional expense of hiring a technical staff for the conversion effort. Utilize your existing staff to execute the migration. **eavRPM** uses intuitive copy features to capture lines of COBOL or Natural code that can then be pasted into **eavRPM**. The result is pure C# or Java code generated for the modernized program. The new program maintains the integrity of the legacy code functionality.

With **eavRPM**, IT teams can reduce costs across the organization:

- Reduce maintenance costs, which often account for more than 75% of an IT budget
- Reduce downtime by resolving critical production issues in a fraction of the time
- Reduce project cost overruns by accurately estimating enhancements and new development efforts
- Maintain, enhance and develop applications with fewer team members
- Reduce IT project headcount by including business team members in IT analysis and customization

Simple Modernization

eavRPM was designed to simplify the modernization process leveraging a direct connection to SQL Server, Oracle or DB2. This tool empowers your existing programming staff to create modern applications via an easy-to-use graphical user interface. They simply capture lines of COBOL or Natural code and **eavRPM** automatically converts it to C# or Java.

Even your business analysts who don't have prior programming skills can specify the basic screen processing needed to enhance business performance. They use point-and-click master page definitions and build templates with consistent headings, footers, etc. They can also split, merge or change screens for ease of use. Depending on its scope, a complete application can be prototyped in a matter of hours or even minutes. Style sheets are also available to maintain visual consistency in your modernized program. Company logos (as well as database queries and other objects) are easily dragged and dropped in for a uniform look.

Intuitive Tool Set

eavRPM is a strategic tool that delivers a custom, efficient user environment. With an easy-to-use painter, a user can drag and drop logos, objects and database queries, modernizing the application on the fly while maintaining code functionality. Because of its ease of use, on-staff business analysts can create new applications appropriate to your business environment.

With point-and-click source definition, the system generates real-time data previews for testing to ensure you get the desired results. This rapid modernization method means that web pages can be created in just seconds.

“Native” Applications

While many conversion tools result in completely different business functions, **eavRPM** lets you use native browser features as it provides full object support, such as literals, fields, drop-downs, check boxes and buttons. Consequently, your users will be familiar with the processes once the system conversion and modernization are complete.

Because **eavRPM** generates native C# or Java solutions, it is able to generate true C# objects that are delivered to Visual Studio as a project, and object-based Java applications that are delivered to your Integrated Development Environment (IDE) of choice. No additional tools are required.

With **eavRPM**, your company can save its legacy assets and business rules.

Flexibility for the Future

eavRPM was designed to be flexible and scalable, to facilitate future modifications.

- DB-Shuttle’s prototyping language included
- Supports any-to-any language conversion
- Generated C# and Java code easily customized (Code Exchange planned)
- Pseudo-code editor to customize the results

System Requirements

- Microsoft Windows 2000, XP or Vista
- SQL Server 2005 or higher
- **eavRPM** is installed using a standard Windows InstallShield program