

VERASTREAM[®]

INTEGRATION SOLUTIONS

Transforming Legacy Applications
Into SOA Assets



Attachmate[®] Verastream is a suite of products that speed the reuse of legacy applications in service-oriented architectures.

Verastream Technical Specs

Applications

CICS and IMS, MVS/OS390/zOS, VSE/zVM, OpenVMS, Unix, Linux, MPE/iX, Web / HTML, Desktop (Windows, Java, DOS, web-based).

Access Methods

Screens (3270 & 5250), VT420, HP700/92 & HP2392A), CICS 3270 Bridge, Transaction (CICS/TS, IMS/TM), Direct Data, web.

Hosts

IBM zSeries (S/390), IBM iSeries (AS/400), UNIX, HP OpenVMS, HP e3000.

Data Sources

Adabas, DB2, DB400, IMS/DB, SQL Server, VSAM.

Programs

COBOL, Natural, RPG.

Client Interfaces

Web services, XML, EJB, JavaBeans, JCA, JDBC, COM(+), .NET, ODBC, ADO, ADO.NET.

Runtime Platforms

OS/390, z/OS, Sun Solaris, Linux, Windows 2003, Windows XP Professional, Windows 2000 SP4, Windows NT 4.0 SP6a.

Verastream Legal

The Benefits of Se

“Verastream was the perfect fit for our four essential requirements: modern ergonomics, integration of our business objects, and system interoperability, all within a secure environment.”

— Patrice Jacquet
Back-Office Payment Director
Carte Division
Experian

Legacy Integration Solutions: Service-Oriented Architecture

For more than two decades, enterprises have engaged in projects to integrate their disparate legacy applications, even as they continue building new, siloed applications to solve specific business problems. Some projects have succeeded in creating point solutions that, while adding value to the business, have fallen short of their original goals. Other projects have failed because they couldn't mesh incompatible technologies in a way that's flexible enough to adapt to real-world needs.

With service-oriented architecture, an application's functionality is defined as a set of services that can be published over a network and accessed by any authorized system. When legacy applications are able to interoperate in an SOA, they can be combined together and can also serve as building blocks for new composite applications. Pursuit of an SOA strategy must include service-enablement of the applications in production today and not just considered for new application development.

Verastream: A Complete Legacy Integration Suite

Attachmate® Verastream® products let you address common business needs by using your existing legacy investments. The Verastream suite can transform all your legacy applications into SOA assets by exposing business processes as reusable web services, XML, JavaBeans, and .NET components.

Verastream-generated services can be mixed, matched, and reused selectively to extend legacy functionality to new composite applications or new users. No code changes to your legacy applications are required. That means you avoid risk while speeding up application integration, application development, and workflow enhancement.

Unlike other legacy integration solutions, the Verastream suite includes solutions for mainframe integration as well as web integration. See the following pages for details on each.

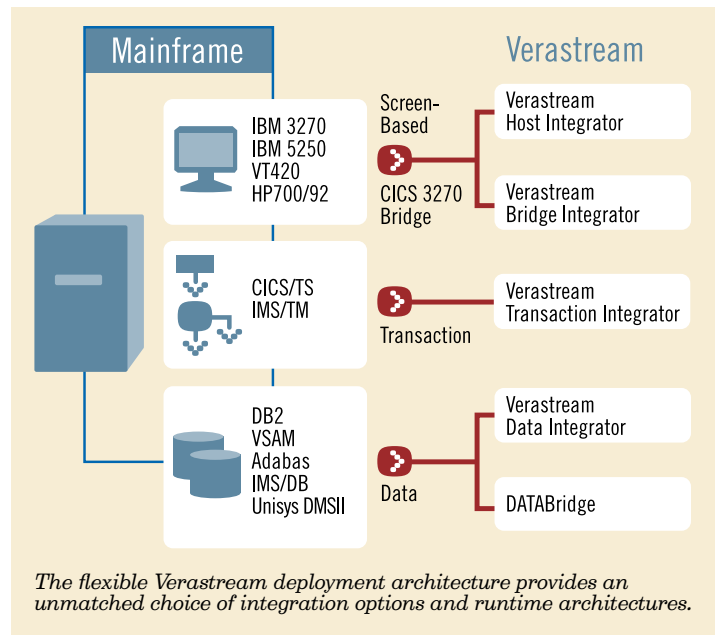
Mainframe Integration

For many large organizations and government agencies, the mainframe continues to be a focal point for data and applications that run day-to-day operations. But using that information beyond the confines of the mainframe has historically been a high-risk, resource-intensive process. With Verastream, you can safely and easily bring mainframe applications into the 21st century.

No matter what kind of host system you are using, no matter how elaborate your business needs, and no matter what integration method you want to use, Verastream can help. It provides a secure, reliable, and scalable foundation for modernizing mainframe applications.

With Verastream you can pick the integration method that best suits your business and IT needs:

- **SCREEN INTEGRATION**
Using Verastream Host Integrator, developers can encapsulate data and logic via the screen interface. Whether your environment is IBM zSeries (S/390), IBM iSeries (AS/400), Unix, OpenVMS, or HP e3000, you can transform your legacy applications into reusable services to build composite applications with a new look and feel.



- **CICS 3270 BRIDGE INTEGRATION**
Verastream Bridge Integrator is a native adapter that runs in the CICS Transaction Server and leverages the power of the IBM mainframe. It allows developers to service-enable CICS functionality for reliable, high-performance integration of CICS applications.
- **TRANSACTION-LEVEL INTEGRATION**
With Verastream Transaction Integrator you can combine data and logic from existing programs developed for the CICS and IMS environments. Verastream masks the complexity of these programs and turns them into reusable services for new application development.
- **DIRECT-DATA INTEGRATION**
Verastream Data Integrator provides pre-built drivers to access mainframe-based data sources (such as VSAM, DB2, IMS/DB, Adabas, and Natural) so developers can build new composite applications.

All Verastream solutions for mainframe integration include powerful visual development tools for building

reusable services and assembling composite services. The tools are easy to learn, and they publish services for both J2EE and .NET consumption.

Verastream mainframe integration solutions run on a variety of server platforms including OS/390, z/OS, Sun Solaris, Linux, and Windows.

Web Integration

The challenge: creating new composite applications that seamlessly combine the features, data, and business logic of disparate web applications. The complicating factor: web applications are mushrooming, both inside and outside the firewall.

Developers creating composite applications have discovered that integrating web applications can be as difficult as integrating mainframe applications. That's because web applications are often built by different departments and organizations, using a variety of

technologies. One thing that all web applications have in common, though, is the HTTP transport protocol and the HTML syntax.

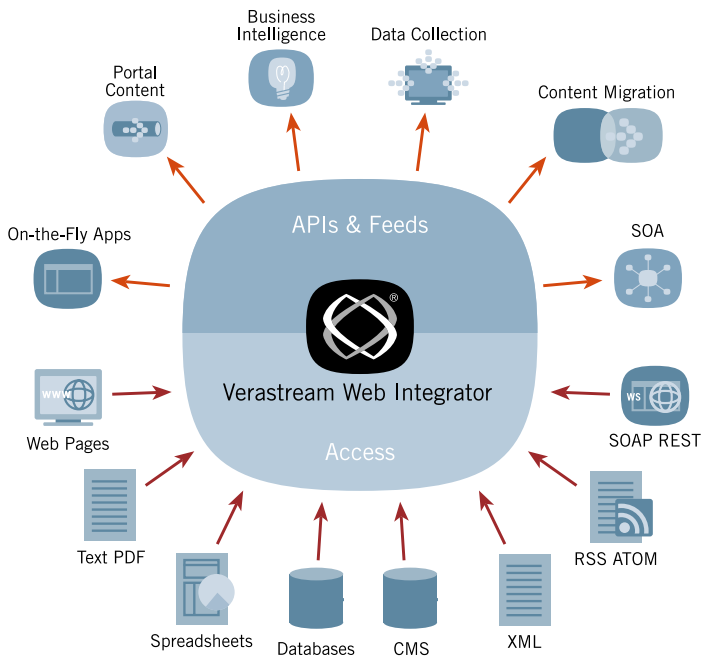
Verastream Web Integrator accesses the presentation layer of an application through the web interface and enables quick reuse of web-based data and logic in portals, content management systems, packaged applications, and databases. A visual design environment and a visual development environment let you create new integrations without changing any code in the web interface or application.

Verastream: Solving Real-World Business Problems

Using Verastream, you can quickly execute current initiatives while incrementally building the foundation for future projects. In fact, organizations around the world are using the Verastream integration suite to address these common business needs:

- Let the host participate in SOAs and composite application development.
- Boost user productivity with improved workflow and better user interfaces.
- Provide real-time integration of legacy functionality into business applications such as CRM, ERP, and SCM.
- Extend host functionality, as quickly as possible, to customers, suppliers, and business partners.
- Provide "last mile" integration of hosts with EAI, BPM, and APS platforms.

Now you can use your legacy applications in ways you never thought possible. Attachmate is the ideal partner for solving legacy-related business problems because we've been fine-tuning our access and integration expertise for more than 26 years. And unlike other software vendors, we've maintained a steady focus: extending, managing, and securing your enterprise systems.



Developers can use Verastream Web Integrator to access the full functionality and data of the many applications with an HTML interface.

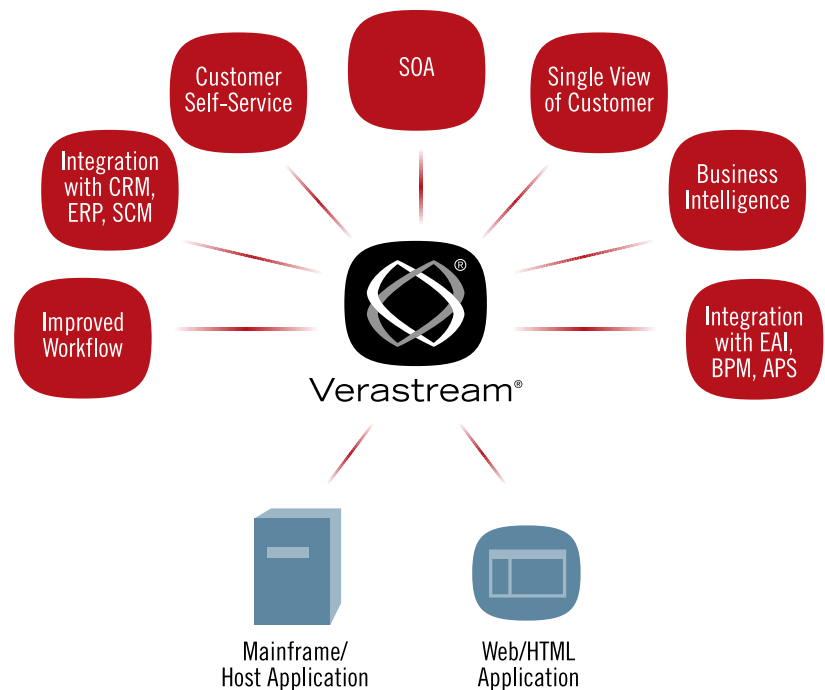
“Verastream is a jewel. Taking critical data and functionality to other clinical systems is a win-win for our caregivers and our hospital.”

— Cynthia Hyde
CIO
Ascension Health Information Services
Providence Hospital

“None of the other products was as slick as Verastream. Instead of having to rewrite an interface and go out to the web with it, Verastream lets us simply select and web-enable the functionality we need from our order system.”

— Becky Rhoads
IT Manager
Cooper Booth Wholesale

Delivering real results with



The Verastream integration suite provides the quickest way to extend your legacy environment to new applications or business processes.

Listed below are some of the organizations using Verastream to address common business needs.

Tenet Insurance

Provided web self-service to OpenVMS-based insurance information.

Results:

- Reduced CSR/underwriter response time.
- Decreased incoming calls.
- Lowered operating expenses.

Meeùs

Unlocked VT-based insurance application and wrapped it with a graphical front end.

Results:

- Automated financial bookings and other calculations to increase user productivity.
- Accelerated input, processing, and settlement of policies.
- Reduced former six- to eight-month training period to one week.

Countrywide

Integrated new CRM system in a mixed-legacy environment.

Results:

- Provided a real-time, Siebel-centric view of the claims lifecycle.
- Reduced call center operation costs.

Delaware Division of Revenue

Encapsulated mainframe-based business functionality to create a web interface for 41 screens.

Results:

- Reduced response times and call transfers.
- Simplified and decreased expenses for staff training.

Schenker AB

Built a portal that integrated seven legacy applications.

Results:

- Reduced contact-center training time and costs.
- Increased revenue by decreasing lost calls.

Minnesota Driver and Vehicle Services

Consolidated multiple green screens into an easy-to-use web application.

Results:

- Cut drivers-license processing times by 75 percent.
- Delivered solution in four weeks.
- Saved \$260,000 in programming and legacy storage costs.

Colorado Student Loan Program

Integrated 20 IBM CICS screens into a single front-end GUI.

Results:

- Improved user satisfaction with self-service web applications.
- Retained guarantees for \$390 million in student loans.

Canal+ Group

Turned 3270 screens into web applications for risk-free integration of Siebel emulation.

Results:

- Solution rolled out in six weeks.
- A more efficient, more profitable call center.

AT&T

Provided a single, Windows-like front end to IBM MVS-based applications.

Results:

- Reduced call-center response time from a range of seven to 10 minutes down to 30 seconds or less.
- Saved \$750,000 per year in the cost of serving customers.

DHL

Integrated Unix-based shipping data with new automated sorting system.

Results:

- Achieved faster, more accurate package delivery.
- Reduced operational costs.

British Telecom Retail

Integrated Siebel front end with IBM hosts.

Results:

- Enhanced customer satisfaction.
- Reduced costs with better internal efficiencies.

Miami Herald

Integrated HP e3000 functionality with a web interface.

Results:

- Created new web app that accesses mainframe-based services.
- Improved customer satisfaction, with real-time back-end processing.

Infinet

Deployed web self-support for Knight Ridder newspaper subscribers in six weeks.

Results:

- Rolled out a legacy-to-web model that is repeatable for additional publications.
- Improved circulation numbers.

VERASTREAM

All of these organizations share one significant benefit: By using Verastream-generated services to solve an immediate problem, they now have a rapid-application development platform in place for ongoing projects. And, they did it without rewriting legacy code or disrupting day-to-day business operations. You can find out the details of these and more real-life implementations under "Customer Stories" at www.attachmate.com.

Could Verastream help you put your legacy assets to work in new and profitable ways? Contact us today at any of the locations listed on the next page.



About Attachmate

Attachmate helps businesses extend, manage, and secure their IT investments. We offer a broad range of solutions—from terminal emulation, legacy integration, and PC lifecycle management products to innovative systems and security management tools. With our technology, more than 65,000 customers worldwide are putting their IT assets to work in new and meaningful ways. Learn more at www.attachmate.com.



Corporate Headquarters
1500 Dexter Avenue North
Seattle, Washington 98109
TEL 206 217 7500
800 872 2829
FAX 206 217 7515

EMEA Headquarters
The Netherlands
TEL +31 71 368 1100
FAX +31 71 368 1181

Asia Pacific Headquarters
Australia
TEL +61 3 9825 2300
FAX +61 3 9825 2399

Latin America Headquarters
Mexico
TEL +52 55 9178 4970
FAX +52 55 5540 4886

WEB attachmate.com
E-MAIL info@attachmate.com

For regional office information, visit www.attachmate.com.

Provided for informational use only; may be modified at any time without notice.
Copyright © 2008 Attachmate Corporation. All Rights Reserved. Attachmate, the Attachmate symbol, DATABridge, and Verastream are either registered trademarks or trademarks of Attachmate Corporation, in the USA and other countries.
All other trademarks, trade names, or company names referenced herein are used for identification only and are the property of their respective owners. 06-0035.0108