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.
Chief information officers, line-of-business managers, and other corporate executives know that legacy applications contain a wealth of information. Furthermore, organizations relying on legacy applications know that those assets contain their strongest competitive edge: business logic and data.

Additional value can be added by enabling legacy applications to directly access each other's capabilities. And business agility can be augmented by creating composite applications that seamlessly combine the features, data, and business logic of disparate legacy applications. The challenge, however, is to transform the legacy application functionality so it can be integrated with new business logic and used in new composite applications, web applications, or portals.

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 the 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, web integration, and desktop integration. See the following pages for details on each.

“With Verastream we can unlock the complete ANVA legacy application. Now we can offer, as a next step, services to external audiences.”

David van der Vliet
Software Architect
Meeüs
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.

Verastream’s flexible deployment architecture provides an unmatched choice of integration options and runtime architectures.

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

- **SCREEN INTEGRATION**
  Using the Verastream Host Integrator module, 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 modules 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 modules 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.

Desktop integration

It’s become commonplace for users to work with a variety of applications on their desktops. But lack of communication among those applications often results in data entry errors, complex keystroke combinations, cutting and pasting between applications, new UIs to learn, longer calls, and frustrated customers. This problem is particularly evident in contact center environments, where agents typically work with five or more desktop applications.

Verastream Desktop Integrator is a set of .NET-based tools for integrating corporate desktop applications, regardless of their ownership or origin. It can help you improve call center performance, increase end-user productivity, decrease training costs, and optimize your IT infrastructure.

Verastream Desktop Integrator offers a non-invasive approach for integrating Windows, Java, DOS, and web-based desktop applications. It includes a graphical design environment that requires no new code or new programming languages. Costly teams of programmers are not necessary and you can deliver a full working solution in a fraction of the time required by conventional methods.

“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
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 25 years. And unlike other software vendors, we’ve maintained a steady focus: extending, managing, and securing your enterprise systems.

“Leveraging Attachmate’s host-integration expertise and Attachmate Verastream, First American Default Technologies has built the essential information resources to make the access of loan information more timely and accurate than ever before.”

Glen Banta
Director of Technology
First American Default Technologies
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.

**Meeüs**
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.

**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.

**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.

**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.

**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.

**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.

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 real-life implementations under “Customer Stories” at [www.attachmate.com](http://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 last page of this brochure.

**About Attachmate**
Attachmate, owned by an investment group led by Francisco Partners, Golden Gate Capital and Thoma Cressey Equity Partners, enables IT organizations to extend mission critical services and assure they are managed, secure, and compliant. Attachmate’s leading solutions include host connectivity, systems and security management, and PC lifecycle management. Our goal is to empower IT organizations to deliver trusted applications, manage services levels, and ensure compliance by leveraging knowledge, automation, and secured connectivity. For more information, visit [www.attachmate.com](http://www.attachmate.com).