



Verastream® Host Integrator
Version Comparison Chart

At a Glance

Verastream Host Integrator Version Comparison Chart

Find your product version in the chart below to see if you need an update. (If you have an Attachmate maintenance plan, you automatically receive free updates of each major release.)

Feature	Benefit	7.1	7.0	6.6	6.5	6.0	5.5	5.0	4.5
		Shipped June 2011	Shipped July 2010	Shipped Sept. 2008	Shipped Feb. 2007	Shipped July 2006	Shipped March 2004	Shipped Oct. 2002	Shipped Nov. 2001
Web Service controls	Provides attribute and behavior control over deployed web services. Web services can be used in more ways with understood and expected results.	✓							
Web Services Explorer	Useful for building and debugging, the web services Explorer can simulate a client application and test web services you are building. This helps you build reliable web services more quickly.	✓							
Support for authenticated deployment	This capability is necessary for deployments in high-security implementations. Encrypted two-way access authentication is now an option to meet the security needs of the most demanding implementations.	✓							
Embedded web services	Allows a single step from model deployment to use of procedures. Simplifies architecture, removes point of failure, and provides a more standard way to integrate with extended heterogeneous enterprise environments.	✓	✓						
Web service improvements	Automatically supports stateful web services with WS-Addressing and WS-Resource. Enables multiple calls over the same host session, automatically using session server suspend/resume functionality.	✓	✓						
New administrative console	Replaces browser-based Administrative WebStation (in prior versions). Provides enhanced user interface. Includes ability to configure session-server monitoring, directory services, authorization profiles, management servers, and host emulator.	✓	✓						
Improved monitoring and logging	Adds configurability to logging function and provided management console (or reporting to 3rd party consoles).	✓	✓						
Support for .NET event handlers	Allows description of event handlers, server-side events, and custom procedures using any MS CLR language (C# or other). Auto-generated C# is used for sample structures.	✓	✓						
New platform-standard installers	Includes ability to use MS MSI for Windows platform, inheriting package-manager benefits.	✓	✓						
Active Directory authentication / authorization	Leverages AD services to seamlessly manage servers and Verastream-provided host usage.	✓	✓						
Model import	Allows multiple developers to work on a single project or within a single model so larger projects can be parceled out. Also allows a group to build a virtual library of application interactions for use in future projects.	✓	✓	✓					
Windows 2008 support	Ensures use of Windows 2008 features and functions in integration projects.	✓	✓	✓					
Native .Net client (full managed code)	Makes Verastream transparent with respect to 32- or 64-bit OS, provides more flexibility for client applications, simplifies updating and maintenance.	✓	✓	✓					

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FIPS-validated crypto libraries	Enhances compliance with data-protection guidelines defined by U.S. National Institute of Standards and Technology. While a requirement for many government IT systems, these security standards benefit private-sector organizations as well.	✓	✓	✓					
WS-I-compliant web services	Ensures interoperability for SOA and flexibility for more formal layered-tier architecture approaches.	✓	✓	✓					
Rejuvenation enhancements (see bulleted list of features below):	Simplifies the building of large applications.	✓	✓	✓	✓				
• Ability through Web Builder user interface to map modeled screens to ASP/JSP forms	Accommodates extended capabilities of advanced web sites.	✓	✓	✓	✓				
• Choice of ways to treat unmodeled screens	Provides flexibility for auto-generation vs. control access.	✓	✓	✓	✓				
• Themes with extensible theme support and third-party IDE	Provides simple method for controlling look and feel of dynamic content.	✓	✓	✓	✓				
SSL-to-host support	Secures communications between VHI Session Server and mainframe.	✓	✓	✓	✓				
Regular Expressions	Allows use of wild cards for a more intuitive method to define entity patterns and attributes. Partial matches allow for more flexibility.	✓	✓	✓	✓				
Application Server Support	EV7 uses JRE v1.6 for Beans and replaces RA/EJB support with embedded web services.	✓	✓						
	J2EE v1.5 RA and J2ee EJB support extends J2EE application server support and accommodates the most preferred and secure methods to interact with J2EE applications.			✓	✓	✓			
Enhanced platform support	Expands platforms to include AIX and Linux support for the mainframe.	✓	✓	✓	✓				
Support for 64-bit platforms and operating systems	Accommodates select 64-bit hardware and OS versions for both Windows and Unix systems (expected to be the norm by end of 2007).	✓	✓	✓	✓				
Option for BizTalk Client support at installation	Integrates BizTalk apps into standard installation, for seamless operation.	✓	✓	✓	✓				
Ability to copy objects while creating models in the design tool	Saves time and allows for reuse of previously created entities and tables.	✓	✓	✓	✓	✓			
Model messaging/debugging	Provides clear information for diagnosis of problems and repair of malfunctioning models. Shows past behavior of the model interacting with the terminal datastream. (This is particularly helpful for VT hosts.)	✓	✓	✓	✓	✓			
Deployment of models to a test Host Integrator server other than the local server.	Development and testing of projects can be completed without the need for a production server.	✓	✓	✓	✓	✓			
Enhanced model scaling	Better performance for large projects, with more predictable functionality across models of all sizes.	✓	✓	✓	✓	✓			
Rogue session management within a session pool	Efficient use of host resources through automated session control and session clean-up/recovery.	✓	✓	✓	✓	✓			

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Event handling	Event handlers can convert formatting for currencies or dates, improve error handling, and enable legacy components to work together. User-supplied procedural code is written in non-proprietary Java programming language.	✓	✓	✓	✓	✓	✓		
Setup enhancement	Verastream installation is streamlined for ease of use.	✓	✓	✓	✓	✓	✓		
Microsoft® .NET connector	Comprehensive APIs to support client development with .NET programming languages C# and VB.NET.	✓	✓	✓	✓	✓	✓		
Improved procedure editor	This tool now presents a visual user interface to rapidly create input and output table columns in addition to existing manual-entry method.	✓	✓	✓	✓	✓	✓		
Non-circular procedures	Verastream lets you create procedures that do not return to the home entity. This feature facilitates procedure chaining and other modeling options.	✓	✓	✓	✓	✓	✓		
Configurable model file settings	Basic file settings can be saved as templates that automatically configure new models. Templates are often created for connection-specific differences between 3270 or VT models.	✓	✓	✓	✓	✓	✓		
Resizable dialog windows	Design tool windows can be resized to provide a more usable work area.	✓	✓	✓	✓	✓	✓		
Window position memory	Location and sizing for design tool windows are saved during use, so windows can return to their last-used position.	✓	✓	✓	✓	✓	✓		
Terminal-specific settings	Settings and controls that don't apply to specific terminal type are disabled, to help prevent modeling errors.	✓	✓	✓	✓	✓	✓		
Read-only model viewing	A single model can be opened in multiple instances of the design tool, with only one instance being editable; secondary instances are read-only.	✓	✓	✓	✓	✓	✓		
Local deployment options	Session pools and model variable lists can be configured in the design tool, for greater flexibility of deployment to local server.	✓	✓	✓	✓	✓	✓		
Scriptable multi-target deployment	Commands can be used from the command line or in a script to automatically deploy a model to multiple servers.	✓	✓	✓	✓	✓	✓		
Session-pool count control	Verastream runtime server lets the user-specified number of sessions start when a model is initialized.	✓	✓	✓	✓	✓	✓		
Session-retry timer	Verastream runtime server allows user-specified intervals between session connection attempts.	✓	✓	✓	✓	✓	✓		
MetaDataOnly connection	This method allows access to a model deployed to Verastream runtime server without a live host connection.	✓	✓	✓	✓	✓	✓		
ConnectionTimeout method	This method allows programmatic configuration of session connection timeout.	✓	✓	✓	✓	✓	✓		
ProcessString method	This connector method allows arbitrary strings to be passed to ProcessString event handler.	✓	✓	✓	✓	✓	✓		
API and connector help	API and connector help have been restructured for easier use.	✓	✓	✓	✓	✓	✓		
Support for Enterprise Linux 3	Verastream runtime server has been updated to support Red Hat Enterprise Linux 3 platform.			✓	✓	✓	✓		

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Web builder (see bulleted list of features below):	Application and component generation are significantly enhanced.	✓	✓	✓	✓	✓	✓		
• Screen-based .NET web	Web builder provides zero-footprint HTML on-the-fly display of applications (rejuvenation) host applications generates ASP.NET and deployed to IIS server.	✓	✓	✓	✓	✓	✓		
• Procedure-based .NET web services	Reusable services encapsulating legacy-application logic and data (using Verastream tables and procedures) are exposed through automatically generated C# or VB.NET web services.	✓	✓	✓	✓	✓	✓		
• Procedure-based .NET Class Libraries	Reusable services encapsulating legacy-application logic and data (using Verastream tables and procedures) are exposed through automatically generated C# or VB.NET Class Libraries.	✓	✓	✓	✓	✓	✓		
• Project-overwrite protection	Web builder will not overwrite changes made to projects after they have been generated.	✓	✓	✓	✓	✓	✓		
• Project version updates	Projects created with an earlier version of web builder are automatically updated to run with the current version.	✓	✓	✓	✓	✓	✓		
• IDE support	Web builder enables project source files to be quickly viewed, modified, and rebuilt by industry-standard tools and/or IDEs. Dreamweaver MX, Visual Studio .NET 2003, JBuilder 6.0 or greater, and Visual Basic 6 are supported.	✓	✓	✓	✓	✓	✓		
• Hide-model elements	Entities, attributes, operations, and procedures can be marked as hidden within a model. Web builder will not expose hidden elements in a generated project.	✓	✓	✓	✓	✓	✓		
• Project settings options	Project settings can be established globally or per-project prior to generating the project.	✓	✓	✓	✓	✓	✓		
• User-defined project types	Extensible architecture allows creation of custom project types that can automatically generate projects.	✓	✓	✓	✓	✓	✓		
• SQL option	End users can execute ad-hoc SQL statements within generated projects.	✓	✓	✓	✓	✓	✓		
• Cascading style sheets	Web applications generated by web builder use cascading style sheets to format web pages.	✓	✓	✓	✓	✓	✓		
• Keyboard mapping for screen-based web apps	Keyboard mapping is provided through JavaScript for IBM 3270 and 5250 terminal types.	✓	✓	✓	✓	✓	✓		
• Host color support	Unprotected fields use the same colors as the host in web builder-generated screen-based web apps.	✓	✓	✓	✓	✓	✓		
• Active host field detection	Web builder-generated screen-based web apps put the initial focus in the same field specified for the host application.	✓	✓	✓	✓	✓			
• Character-mode screen-based web apps	Web builder creates screen-based web applications for character-mode (VT and HP), using web form layout.	✓	✓	✓	✓	✓	✓		

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• Unrecognized-screen options	Unrecognized screens in web builder-generated screen-based web apps are selectively shown as terminal screen display or error message.	✓	✓	✓	✓	✓	✓		
• Recognized-screen options	Recognized screens in web builder-generated screen-based web apps are selectively shown as terminal screen display or web form display.	✓	✓	✓	✓	✓	✓		
• Screen-based JSP web applications (rejuvenation)	Verastream provides zero-footprint HTML on-the-fly display of host applications. Terminal style and web-form style formats are both available.	✓	✓	✓	✓	✓	✓	✓	
• Procedure-based JSP web applications	Reusable services encapsulating legacy-application logic and data (using Verastream tables and procedures) are exposed through automatically generated JSP web applications.	✓	✓	✓	✓	✓	✓	✓	
• Procedure-based Java web services	Reusable services encapsulating legacy-application logic and data (using Verastream tables and procedures) are exposed through automatically generated Java web services.	✓	✓	✓	✓	✓	✓	✓	
• Procedure-based JavaBeans	Reusable services encapsulating legacy-application logic and data (using Verastream tables and procedures) are exposed through automatically generated JavaBeans.	✓	✓	✓	✓	✓	✓	✓	
Model-variable management API	Java API provides methods to programmatically interrogate and configure Verastream servers and associated model-variable lists.	✓	✓	✓	✓	✓	✓	✓	
XML model export	Verastream models can be exported as an XML file, edited, and re-imported, to help with editing of complex models.	✓	✓	✓	✓	✓	✓	✓	✓
Session monitor utility	This feature enables session activity to be tracked, recorded, and played back, to assist with model debugging.	✓	✓	✓	✓	✓	✓	✓	✓
Lightweight Directory Access Protocol support	LDAP enables Verastream to interact with external user-directory systems, to facilitate client authentication and access.	✓	✓	✓	✓	✓	✓	✓	✓
Network Services/Virtual Terminal	Verastream provides specialized connection to HP hosts through the HP proprietary NS/VT protocol.	✓	✓	✓	✓	✓	✓	✓	✓



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