IBM Rational HATS V8.0 and IBM Rational HIS V8.0

Reuse, transform and extend your host assets

Highlights

- Transform 3270 and 5250 green screens to web, portal, mobile browser, or rich client user interfaces for reduced training costs and improved end-user satisfaction
- Extend 3270, 5250 and VT host applications as web services for easy integration of valuable host business logic
- Reuse terminal application logic in new ways without incurring the risk and expense of rewriting or refactoring

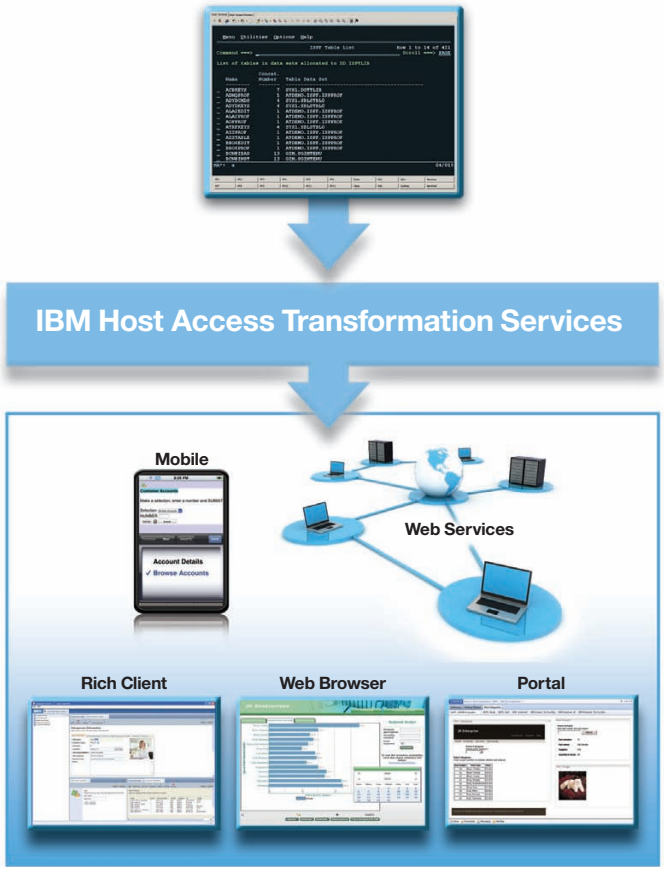
Today's users have grown accustomed to web-based applications. But if you are relying on older applications running on the IBM® System z® or IBM System i® platforms, your users may still be accessing your vital business applications through traditional, text-based interfaces such as 3270 and 5250 green screens, which can be difficult to use.

However, because these terminal applications are proven, stable and represent a tremendous business investment and value, they can be expensive and risky to replace.

IBM Rational® Host Access Transformation Services (HATS) can help you reuse and transform your legacy applications with reduced risk by improving their user interfaces, extending their reach and integrating them with other applications. The HATS solution helps provide a quicker and easier way to replace traditional terminal displays with a simpler, point-and-click interface and the tools you need to more quickly and easily transform your 3270 and 5250 green screen applications to web, portlet, rich client or mobile device user interfaces, and to extend 3270, 5250 and VT green screens as standard web services.

The HATS solution consists of the HATS toolkit, which enables you to create HATS applications and the HATS run time, which is included in the HATS application and manages interactions with the host.

A key benefit of the HATS solution is its ease of use. It can dynamically convert host screens to graphical user interfaces (GUIs). And with the HATS rules-based transformation engine, you can easily improve the workflow and navigation of host applications without having to access or modify the source code. Because the HATS toolkit is easy to use without requiring programming for most customization tasks, your developers can quickly become productive. In many cases, it is possible to extend your host applications with a familiar GUI within a day of installing the HATS software.



With IBM Rational HATS, you can extend host applications quickly to the web, portal, a mobile device, a rich client or as web services.

Transform and extend your host applications

The HATS toolkit features a wizard-based development process for creating HATS applications, making it easy for you to transform your existing applications. The development process is similar regardless of whether you are extending your host applications to the web, portal, a mobile browser, a rich client or as web services. As a result, you have the flexibility to use the deployment option that best meets the needs of your business.

Further, the HATS solution enables you to tailor your application to a specific set of end users, hide unnecessary information, organize data into tables or display only required input fields. You can also provide drop-down lists of valid values for an input field, reorganize and modify text, and provide navigation buttons to reduce data entry errors and increase productivity. After developing a HATS application and deploying it in your production environment, your users interact with the HATS application through a transformed and streamlined user interface.

Reuse your assets and help reduce your risk

HATS web services support extends the logic that is locked into your 3270, 5250 and VT host terminal applications, helping you to reuse and repurpose your existing, stable assets in innovative ways. These web services can serve as flexible building blocks for developing new internal applications, for integration with applications outside your enterprise, or for integrating host-based business processes into your service oriented architecture (SOA) solutions.

New in HATS V8.0

HATS Dojo widgets

You can now use new HATS Dojo widgets to further improve the user experience of your application. These widgets take advantage of built-in Dojo capabilities such as easy data validation with the validation text box to reduce data entry errors. In addition to the new HATS Dojo widgets, there is an advanced option called "Transforming for Dojo Editing" that provides further extensibility by allowing customization and transformation of the new HATS Dojo widgets, putting the full power of the Dojo toolkit at your fingertips.

RESTful web services

HATS RESTful web service support gives you the additional flexibility you need to choose the right technology for your project. RESTful services offer API flexibility and simplicity, which makes them easy to consume. They are also more lightweight than simple object access protocol (SOAP) services, and may be more scalable due to lower message payload and hypertext transfer protocol (HTTP) caching.

JSR 286 standard portlets

The latest portlet standard, Java Portlet Specification API Version 2 (JSR 286) adds new capabilities including inter-portlet communication through portlet events and public render parameters, resource serving using AJAX, portlet filters and more.

HATS takes advantage of the JSR 286 specification with built-in features. With HATS providing JSR 286 event publishing and processing support, HATS portlets can use events to communicate with other portlets to improve end-user productivity. Single sign-on support allows users to sign into HATS portlets using portlet credentials without the need to provide additional host credentials. Automatic refresh and disconnect support takes advantage of the JSR 286 AJAX support to handle asynchronous host screen updates and abrupt disconnect scenarios.

iPad support

To further unleash your end-users so that they can access important information and make updates when and where they need to, HATS V8.0 adds the iPad to the list of supported mobile devices.

Support of the latest runtimes and IBM Rational integrated development environments (IDEs)

New supported runtime environments include IBM WebSphere® Application Server V8.0, IBM WebSphere Portal V7.0, Eclipse V3.5 and V3.6, IBM Lotus Notes® V8.5.2, and IBM Lotus® Expeditor V6.2.2. The toolkit also supports the latest IBM Rational IDEs, such as IBM Rational Developer for i for SOA Construction V8.0.3 and Rational Developer for System z V8.0.3.

IBM Rational Host Integration Solution V8.0

IBM Rational HATS software is the cornerstone of the IBM Rational Host Integration Solution (HIS) package. HIS provides a comprehensive set of tools for green screen application access and modernization, and can enable every user in your enterprise to access your mission-critical host systems independent of platform, network or connectivity.

The following components are included in the HIS package:

- IBM Rational Host Access Transformation Services (HATS)
- IBM Rational Host On-Demand (HOD), which provides security-rich web-to-host terminal emulation and a rich set of programming interfaces so you can create your own, customized, host access applications
- IBM Personal Communications, an industry-leading, traditional Microsoft Windows emulator that provides comprehensive connectivity and access to host data
- IBM Communications Servers offer reliable and security-rich support that connects users to host applications and data over diverse networks—whether systems network architecture (SNA), transmission control protocol/Internet protocol (TCP/IP), intranet, extranet or the Internet. Note that IBM Communications Servers may only be used in conjunction with HATS, HOD or IBM Personal Communications.

The features of HIS include:

- One fixed price per authorized or concurrent user that is independent of the total number of clients and servers
- The ability to "mix and match" quantities of server and client components for available platform environments
- The latest level of component products

HIS is ideal if you have or need:

- Modernization of terminal applications, but also need to provide terminal emulator access to applications
- Multiprotocol environments
- Access from virtually any client machine to business applications on any host or server over any network protocol
- Internet access to mission-critical applications and data on host systems

	Base components	Supporting components
Host Integration Solution for Multiplatforms	• IBM Rational Host Access Transformation Services (HATS) V8.0 • Personal Communications V6.0.1 • IBM Rational Host On-Demand V11.0.2	• Communications Server for Windows V6.4.0.3 • Communications Server for AIX® V6.4.0.3 • Communications Server for Linux V6.4.0.3 • Communications Server for Linux on System z V6.4.0.3 • IBM WebSphere Application Server Network Deployment V8.0* • IBM Rational Developer for System z with Java V8.0.3*
Host Integration Solution for 5250 Applications	• IBM Rational Host Access Transformation Services (HATS) V8.0 • Personal Communications V6.0.1 • IBM Rational Host On-Demand V11.0.2	• Communications Server for Windows V6.4.0.3 • Communications Server for AIX V6.4.0.3 • Communications Server for Linux V6.4.0.3 • WebSphere Application Server - Express V8.0* • Rational Developer for Power Systems™ Software: Power Tools for i V8.0.3 *

IBM Host Access Client Package V7.0

Personal Communications and Rational Host On-Demand are also included in the IBM Host Access Client Package (HACP). HACP delivers two tested, functionality- and security-rich products in a single package, at one price per user, to meet the host access needs of your traditional and mobile end users.

Host Access Client Package V7.0 delivers new releases of Personal Communications for Windows and IBM Rational Host On-Demand.

Highlights of Personal Communications for Windows V6.0:

- Scratch pad
- Copy improvements
- Find text
- Secure file transfer protocol (FTP) client

Highlights of IBM Rational Host On-Demand V11.0:

- Screen history
- Scratch pad
- Hotspot enhancements
- Find text
- Display session watermark
- Host On-Demand Container for IBM Lotus Notes 8.5.1 and IBM Lotus Expeditor 6.2.1 generic application container framework

For more information

For more information about IBM Rational Host Access Transformation Services, IBM Rational Host Integration Solution, and IBM Host Access Client Package, contact your IBM representative or IBM Business Partner, or visit:

- **ibm.com**/software/awdtools/hats
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* Usage of these components requires purchase of at least 50 user licenses of Rational Host Integration Solution. For a full description of the associated Terms and Conditions describing usage of these components, please see the Rational Host Integration Solution 8.0 Software Announcement 211-313 for further information.

Please Recycle

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