



# IBM WebSphere Host Access Transformation Services V6 – New function and improved ease of use

## Overview

WebSphere® Host Access Transformation Services (HATS) delivers all the tools needed to help quickly and easily extend legacy applications to business partners, customers, and employees. HATS makes 3270 and 5250 applications available as HTML through the most popular Web browsers, while converting host screens to a Web look and feel. With HATS it is easy to improve the workflow and navigation of host applications without any access or modification to source code.

HATS has macro support that allows you to provide programmed navigation through multiple legacy screens to help improve the productivity and ease of use of your host applications. HATS enables such programmed access to a single host application, or can integrate screens from multiple host applications into a single Web interface. You can also use macros created in WebSphere Host On-Demand or WebSphere Host Publisher.

## New in HATS V6.0

The focus for HATS V6.0 is usability. It empowers the next steps in transforming applications by making it easier to create and edit screen transformations, debug macros, and create custom components and widgets.

## Key prerequisites

For details, refer to the **Hardware requirements** and **Software requirements** sections.

## Planned availability dates

- February 11, 2005 (electronic software delivery)
- February 25, 2005 (media and documentation)

## At a glance

New in HATS V6:

- Easier-to-use “drag and drop” screen customization
- New wizards to customize HATS components and widgets
- Enhanced macro support with macro stepping feature
- Side-by-side preview of host screens and HATS customizations
- JavaServer Faces support Integration Objects for easier Web page design
- CICS® Basic Mapping Support (BMS) map importer for offline editing
- Improved 5250 subfile recognition, rendering, and customization

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## Description

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The rules-based implementation of HATS can make it possible to extend virtually any 3270 or 5250 application to the Web within a single day of installing the software. The HATS rules define how the various host components can be transformed and represented as HTML. For example, the rules define whether selection lists should be represented as hot links, buttons, drop down menus, radio buttons, or a table. The HATS rules are applied in real-time to host screens to generate the corresponding Web pages for end users. These rules can eliminate the need to customize individual host screens and help significantly reduce the time to market for new Web-to-host projects. Virtually any host screen can be rendered according to the HATS' default values, or can be partially or fully customized according to the needs of the specific application.

HATS, together with IBM Software Development Platform provides a flexible and extensible environment in which to integrate host applications with Java™-based applications. Screens and data from multiple host sources can be combined with Java-based applications to create new WebSphere applications. Transactions with host systems can be encapsulated into reusable business objects, such as Web services, Java beans, or Enterprise Java Beans. HATS and IBM Software Development Platform wizards can be used to create Web pages that call these new business objects. IBM Software Development Platform wizards can also be used to create SQL queries, and business objects (Web services, Java beans, or Enterprise Java Beans) to execute these SQL queries.

HATS, in conjunction with IBM Software Development Platform, simplifies the creation of standard Web services interfaces to provide access to host applications. Web services protocols, such as Simple Object Access Protocol (SOAP) and Web Services Description Language (WSDL), are an efficient and reusable means of providing standardized access to your host systems.

The run-time components of HATS are generated by the HATS Toolkit and deployed to WebSphere Application Server or WebSphere Portal. The WebSphere platform provides support for the workload management features required for enterprise class scalability and availability. Load balancing and fail-over support functions, such as vertical and horizontal clustering, are handled by the WebSphere workload management.

### ***New in HATS V6.0***

***Transformation and editing improvements:*** HATS components available in the Palette view. You can now open the HATS component "drawer" in the Palette view and "drag and drop" HATS components on to your Web page.

Prepopulate transformations with default rendering. Prepopulated transformations will be prefilled with the default rendering set. This will make it easier to customize a screen where you only want to change a few aspects of the default transformation.

Free layout mode in Page Designer. The free layout mode provides the ability to arrange components and widgets freely in the Design view of the JSP Editor. When moving a HATS component from one location to another, the Page Designer function in Rational® Studio automatically aligns components by creating the necessary table cells.

Use of properties view for modification of components, widgets and text replacement. When editing transformations, the properties view will now allow developers to change HATS components, including the component and widget settings and text replacement. Previously in HATS V5.0, users could only change the component settings via the Edit Host Component wizard.

Preview transformation in host terminal. The host terminal now contains a preview tab that will display a preview of how a screen will be rendered in the browser. This lets the developer decide quickly whether a modification to the default rendering or a screen customization is necessary.

Apply style sheets in Design view. The Design view will now apply Cascading Style Sheets (CSS) to the Visual Component Tags (VCT). This allows developers to apply styles and adjust the effects via the design view before runtime operations.

***Macro enhancements:*** Macro debug stepping. Macro stepping allows a single "step" through a macro, where a step is defined as playing one action or recognizing one screen. The stepping feature allows a user to narrow down a macro problem to a certain screen or action, thus improving problem resolution.

***Component and widget enhancements:*** Enhanced subfile support. The 5250 subfile enhancements allow developers to select and define the different parts of a subfile on a captured screen to use for subfile recognition. Subfile rendering has been improved to allow additional rendering options of subfile data, plus rendering of foreground colors and extended field attributes.

Custom component and widget wizard. Two new wizards are provided to aid in the development of custom components and widgets.

Item selection component and widget. The item selection component and widget allows the rendering of a screen with a list of items and a respective action field for the item. The action field can be rendered with text input, drop-down, popup, link, check box or radio button.

Enhanced Non-programmable Terminal User Interface (ENPTUI) 5250 support. ENPTUI enables an enhanced user interface on non-programmable terminals (NPT) and programmable workstations (PWS) over the 5250 full-screen menu-driven interface, taking advantage of 5250 display data stream extensions. These extensions can be also accessed via the DDS programming interface. Graphical DDS keywords specify the GUI controls to be displayed.

HATS recognizes these 5250 display data stream extensions when used, and renders them into appropriate HTML controls, thereby web-enabling the original host application. The following subset of graphical DDS keywords are supported:

- PSHBUTTON — Push buttons
- MLTCHCFLD — Check boxes
- SNGCHCFLD — Radio buttons
- SFLSNGCHC — Single-selection list box
- SFLMLTCHC — Multiple-selection list box
- WINDOW — Popup window
- MNUBAR — Menu bar
- PULLDOWN — Pull-down menus

5250 HTML DDS keyword support. DDS programmers can use the HTML keyword to imbed raw HTML data into the 5250 data stream. HATS will enable data that is sent from a host application in the HTML DDS keyword to be rendered in the browser.

Highlight hidden fields. During development, you can choose to have hidden fields highlighted, and be warned when data selected on the screen contains hidden fields.

Rendering sets. You can create more than one rendering set for your application. Creating individual screen customization can be avoided by configuring additional rendering sets for host screens that are not rendered well with the default rendering.

**Text replacement improvements:** Default rendering and component tag level text replacement. HATS V5.0 supported text replacement at the project and screen customization levels. Runtime text replacement at the tag level was also supported. HATS V6.0 adds studio support for default rendering item and component tag level text replacement. All levels support text replacement with text, an image, or HTML.

Regular expression support for text replacement. Regular expressions are an extremely powerful tool for manipulating text and data. HATS V6.0 allows you to specify regular expressions for text to search for, and text or HTML to replace with when specifying text replacement for your HATS project, default rendering, screen customizations, and HATS components.

Inserting a button or link via text replacement. Text replacement now includes the ability to replace text with a button or link that sends the specified host key.

**New capabilities:** Identified next screens. Identified next screens allows the developer to identify potential next screens for a given recognized screen. This avoids the overhead of searching the whole screen customization list for a matching screen.

3270 CICS Basic Mapping Support (BMS) Importer. Developers can import Customer Information Control System Basic Mapping Support (CICS BMS) source. Screen captures can be created from the source, providing the ability to develop and design HATS screen customizations and transformations for CICS applications without the need for a live 3270 terminal connection.

**Note:** A terminal connection will be necessary to test the application.

JavaServer Faces (JSF) Pages support for Integration Objects. JSF is a technology that helps you build user interfaces for dynamic Web applications. Although similar to Struts, JSF provides a Faces components drawer in the Palette view that allows you to drag and drop Faces components onto your page.

Show Operator Information Area (OIA). HATS projects now automatically show the operator information area (OIA). Emulator users are accustomed to seeing the information that is presented via the OIA. Users can disable the OIA easily via the Other tab in the Project level settings. The OIA can also be inserted onto a transformation using the HATS tools menu.

**Migration:** If you are a previous HATS V4, HATS V5, HATS V4 Limited Edition (LE) or HATS V5 LE customer, you can migrate your projects to HATS V6.0 projects. If you are a Host Publisher V4.0 or V4.01 customer, you can migrate whole applications, or just the Integration Objects.

HATS coexistence. HATS V5.0 and HATS V6.0 can coexist on the same machine.

**Additional enhancements:** View display terminal in Studio. HATS V6.0 now presents an option to the display terminal when a developer invokes the run on server function without having to manually configure it. The display terminal is highly useful when debugging macro and screen recognition problems.

Rename Global variables. HATS V6.0 has the option to rename global variable instances in screen customizations and macros via the Global Variable view.

Specify Host Key. A developer can specify the execution of a host key after the completion of the action list in a screen customization. This feature allows the runtime to drive a host's screen transformation to change and avoid an infinite loop through the customization's action list.

Asynchronous update applet enhancements. The asynchronous update applet has been enhanced for improved reliability and error handling. The applet is now signed, so your HATS server can now be on a different host than your Web server.

Keyboard support when a host key is inserted. When a host key was inserted onto a transformation prior to HATS V6.0, any key not inserted became disabled via the keyboard. With HATS V6.0, the developer has the choice of enabling the keyboard or not when only one host key is inserted.

Handle blank screens. Some applications naturally have blank screens during HATS runtime. There are four options in HATS V6.0 that a developer can use to handle blank screens: show the blank screen, wait a period of time via a screen customization playing a macro, or send a specified host key.

### **Accessibility by people with disabilities**

- Interfaces commonly used by screen readers
- Can be operated using only the keyboard
- Allows the user to request more time to complete timed responses
- Communicates all information independently of color
- Provides documentation in an accessible format
- Requires minimal reach and manual dexterity
- Supports the attachment of alternative input and output devices

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## **Product positioning**

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### **Host integration**

HATS is the newest member of IBM's market-leading Host Integration family of host access and Web-to-host solutions.

HATS is available to order in the following formats:

- HATS for Multiplatforms
  - Available for use with 3270 and 5250 applications.
  - HATS applications can be deployed on any support platform (see server runtime requirements).
  - Ships with a restricted WebSphere Application Server (WAS) Network Deployment license.

- HATS for IBM *eServer*® iSeries™
  - Available for use with 5250 applications only.
  - HATS applications can be deployed on any support platform (see server runtime requirements).
  - Ships with a restricted WebSphere Application Server (WAS) — Express license.
- HATS for IBM *eServer*® zSeries®
  - Available for use with 3270 and 5250 applications.
  - HATS applications can be deployed only on the IBM zSeries.
  - Does not ship with WAS.

HATS is also available as part of the WebSphere Host Integration Solution (HIS) which can be purchased. For additional information, refer to:

- Software Announcement 204-255, dated October 19, 2004 (HIS for Multiplatforms)
- Software Announcement 204-254, dated October 19, 2004 (HIS for iSeries)
- Software Announcement 204-255, dated October 19, 2004 (HIS for zSeries)

Both HATS and HIS ship with other WebSphere products. Periodic updates may be made to the packaging to include new features, functions or platform support.

WebSphere Host Access Transformation Services Limited Edition (HATS LE) V5.0 is currently offered in iSeries Access V5.3. Visit

**<http://www-1.ibm.com/servers/eserver/series/access/>**

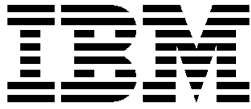
HATS LE V5.0 was the final release of the HATS LE product.

**Application transformation:** IBM offers a complete set of application transformation solutions that can enable enterprises to extend legacy applications to new users and to a service-oriented architecture. These solutions can allow customers to improve the user experience, adapt for broader connectivity, and innovate by architecting applications for greater flexibility. The first style of transformation typically requires the lowest level of investment. With this method companies can achieve a quick return on investment by creating a better user experience. Improving the user interface can improve ease of use and can ultimately results in lower training costs, increased customer satisfaction and boosts employee productivity.

**Host Access Transformation Services** is IBM's leading product for customers looking to improve the user experience of 3270 and 5250 applications.

**Trademarks**

iSeries is a trademark of International Business Machines Corporation in the United States or other countries or both. The e-business logo, WebSphere, CICS, Rational, zSeries, and eServer are registered trademarks of International Business Machines Corporation in the United States or other countries or both. Java is a trademark of Sun Microsystems, Inc. Other company, product, and service names may be trademarks or service marks of others.



# IBM US Announcement Supplemental Information

February 8, 2005

## Education support

The following educational offerings are available as listed below:

Course title	Course number	Course type
Advanced HATS	SW913	Classroom
WebSphere® Host Access Transformation Services Introduction	SW912	Classroom

IBM Global Services, IT Education Services, provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are on the IBM IT Education Services Web site

<http://www-3.ibm.com/services/learning/>

Refer to the IBM IT Education Services Web site for information on course locations and availability dates.

Call IBM IT Education Services at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

## Offering Information

Product information is available via the Offering Information Web site

<http://www.ibm.com/common/ssi>

Also, visit the Passport Advantage® Web site

<http://www.ibm.com/software/passportadvantage>

## Publications

No publications are shipped with these products.

The IBM Publications Center

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 50 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries free of charge.

The IBM Publications Notification System (PNS)

<http://service5.boulder.ibm.com/pnsrege.nsf/messages/welcome>

PNS enables subscribers to set up profiles of interest by order number/product number. PNS subscribers automatically receive e-mail notifications of all new publications defined in their profiles. These may then be ordered/downloaded from the Publications Center.

The PNS site is available in English and Canadian French.

## Technical information

### Hardware requirements

#### HATS Studio requirements

- Intel™ Pentium™ III 800 MHz processor minimum (Higher is recommended).
- 768 MB RAM minimum (1 GB RAM is recommended).
- Disk space: 300 MB DASD beyond what Rational® Studio requires. Additional disk space will be required for resources that you develop.
- Display resolution: 1024 x 768, or higher.

### Software requirements

#### HATS Studio requirements

- Microsoft™ Windows™ XP Professional with Service Packs 1 and 2 or
- Microsoft Windows 2000 Professional with Service Packs 3 and 4 or
- Microsoft Windows 2000 Server with Service Packs 3 and 4 or
- Microsoft Windows 2000 Advanced Server with Service Packs 3 and 4 or
- Microsoft Windows Server 2003 Standard Edition or
- Microsoft Windows Server 2003 Enterprise Edition
- One of the following IBM Software Development Platforms:
  - Rational Web Developer V6.0
  - Rational Application Developer V6.0
  - Rational Studio Architect V6.0

### Server runtime requirements

HATS enterprise applications may be deployed to the following WAS platforms:

- Windows 2000
- Windows 2003
- Windows XP
- AIX®
- i5/OS
- Solaris
- zOS
- Linux™ for Intel
- Linux for zSeries®

*This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.*

- Linux for iSeries™
- Linux for pSeries®

HATS applications are deployed to a WAS and, therefore, inherit the software and hardware requirements of WAS.

Each HATS application that you deploy requires additional disk space. The minimum disk space required for each HATS application is approximately 30 MB.

#### One of the following WebSphere Application Servers

- WAS V5.1.1 or V6.0 with latest PTFs
- WAS ND V5.1.1 or V6.0 with latest PTFs
- WAS for iSeries V5.1.1 with latest PTFs
- WAS ND for iSeries V5.1.1 with latest PTFs
- WAS Express V5.1.1 or V6.0 with latest PTFs
- WAS for iSeries V5.1.1 with latest PTFs
- WAS for zSeries V5.1.1 with latest PTFs

#### Supported browsers

- Windows requires Netscape 6.2.3, Internet Explorer 6.0 with Service Pack 1, Mozilla 1.6, Firefox .9, Opera 7.0, or later.
- AIX requires Netscape 7.0, or later.
- Solaris requires Mozilla 1.6, Firefox .9, Opera 7.0, or later.
- Linux requires Netscape 7.0.2, Opera 7.0, Konqueror 3.1, Mozilla 1.6, Firefox .9, or later.
- Mac requires Safari 1.0, Internet Explorer V5.2.3, Netscape 7.1, Firefox .9, Opera 7.0, or later.

#### Others

- 5250 Print support requires IBM iSeries Access for Web V5.2, or later (Note: This is available as part of the iSeries Access Family V5.2.)
- WebSphere Portal V5.0, V5.0.2, V5.0.2.1, or V5.0.2.2 is required for deployment of HATS V6 portlets.

#### Limitations

BIDI support is available only with Internet Explorer 6.0 with Service Pack 1, or Mozilla 1.8, or later.

### Planning information

Software Maintenance, previously referred to as Software Subscription and Technical Support, is included in the Passport Advantage Agreement. Installation and technical support is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity, with voice and electronic access into IBM support organizations.

#### Packaging

#### Multiplatforms

- WebSphere HATS V6.0 CD
- WebSphere Application Server V6.0 Network Deployment CD
- HATS V6.0 License Information Booklet

#### iSeries

- WebSphere HATS V6.0 CD
- WebSphere Application Server — Express V6.0 CD

- HATS V6.0 License Information Booklet — Limited terms and conditions for 5250 deployment

#### zSeries

- WebSphere HATS V6.0 CD
- HATS V6.0 License Information Booklet — Limited terms and conditions for zSeries deployment

### Security, auditability, and control

Host Access Transformation Services uses the security and auditability features of the host systems.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

### Ordering information

This product is only available via Passport Advantage. It is not available as shrinkwrap.

#### Product information

Licensed function title	Product group	Product category
IBM Host Access Transf Svcs Intranet for zSeries	App Integration Middleware Other	App Integration Middleware Other
IBM Host Access Transf Svcs Internet for zSeries	App Integration Middleware Other	App Integration Middleware Other
IBM Host Acc Transf Svcs Internet for iSeries	App Integration Middleware Other	WebSphere
IBM Host Access Transformation Services for Intranet	App Integration Middleware Other	WebSphere
IBM Host Acc Transf Svcs Internet for iSeries	App Integration Middleware Other	WebSphere
IBM Host Access Transformation Services for Intranet	App Integration Middleware Other	WebSphere

WebSphere Host Access Transformation Services V6 is a stand-alone product with one charge unit: user (Intranet or Internet). It is available in units of 1.

#### Passport Advantage program licenses

#### Host Access Transformation Services for Multi

Part description	Part number
IBM Host Acc Transf Svcs Internet for iSeries	
HATS for Multi Internet Concurrent User(s) License & SW Maintenance 12 Mon	D52WALL
HATS for Multi Internet Concurrent User(s) SW Maintenance Reinstatement 12	D52WBLL
HATS for Multi Internet Concurrent User(s) SW Maintenance Annual Renewal	E0109LL
HATS for Multi Internet ConcurUser(s) Trdup License & SW Maintenance 12 Mon	D52WCLL

Part description	Part number
<b>Host Access Transformation Services for Multi</b>	
IBM Host Access Transformation Services for Intranet	
HATS for Multi Intranet Registered User License & SW Maintenance 12 Months	D53H4LL
HATS for Multi Intranet Registered User SW Maintenance Reinstatement 12 Mo	D53H5LL
HATS for Multi Intranet Registered User SW Maintenance Annual Renewal	E016VLL
HATS V5.0 for Multi Intranet Reg User Trdup License & SW Maintenance 12 M	D53H6LL

#### Host Access Transformation Services for iSeries

IBM Host Acc Transf Svcs Internet for iSeries	
HATS for iSeries Internet Concurrent User(s) License & SW Maintenance 12 M	D52WTLL
HATS for iSeries Internet Concurrent User(s) SW Maintenance Reinstatement	D52WULL
HATS for iSeries Internet Concurrent User(s) SW Maintenance Annual Renewal	E010LLL
HATS for iSeries Internet User(s) TrdupLicense & SW Maintenance	D53I2LL

#### Host Access Transformation Services for iSeries

IBM Host Access Transformation Services for Intranet	
HATS for iSeries Intranet Registered User License & SW Maintenance 12 Mont	D53H7LL
HATS for iSeries Intranet Registered User SW Maintenance Reinstatement 12	D53H8LL
HATS for iSeries Intranet Registered User SW Maintenance Annual Renewal	E016WLL
HATS for iSeries Intranet User Trdup License & SW Maintenance	D53I3LL

#### Host Access Transformation Services for zSeries

IBM Host Access Transf Svcs Intranet for zSeries	
HATSZ Registered from Competitive product/emulator TRDUP LIC+SW MAINT 12 MO	D54R9LL
HATS zSeries V6 Registered User License & SW Maintenance 12 Months	D54R7LL
HATS zSeries V6 Registered User SW Maintenance Reinstatement 12 Months	D54R8LL
HATS zSeries V6 Registered User SW Maintenance Annual Renewal	E01NHLL

Part description	Part number
<b>Host Access Transformation Services for zSeries</b>	
IBM Host Access Transf Svcs Internet for zSeries	
HATSZ concur from Competitive product/emulator TRDUP LIC+SW MAINT 12 MO	D54R6LL
HATS for zSeries Internet Concurrent User(s) License & SW Maintenance 12 M	D54R4LL
HATS for zSeries Internet Concurrent User(s) SW Maintenance Reinstatement	D54R5LL
HATS for zSeries Internet Concurrent User(s) SW Maintenance Annual Renewal	E01NGLL

**Trade-ups:** A Passport Trade-up program is available and the following rules apply:

- Trade-up from emulators only: Customers may trade up any full-function IBM or non-IBM 3270 or 5250 Emulation Program User Licenses for an equal number of WebSphere Host Access Transformation Services Registered or Concurrent User Licenses.
- Trade-up from Web-to-host only: Customers may trade up any full-function IBM or non-IBM Web-to-Host Program User Licenses for an equal number of WebSphere Host Access Transformation Services Registered or Concurrent User Licenses.

#### Passport Advantage supply

Program name/description	Part number
HATS Multi V6.0.0 Media Pack Multilingual (English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional, Turkish, Italian) Windows 2000, Windows XP, Windows Server 2003, Linux for x86 Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V6.0.0	BM038ML
HATS for zSeries V6.0.0 Media Pack Multilingual (English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional, Turkish, Italian) Windows 2000, Windows XP, Windows Server 2003, Linux for x86 Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V6.0.0	BM039ML
HATS iSeries V6.0.0 Media Pack Multilingual (English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional, Turkish, Italian) Windows 2000, Windows XP, Windows Server 2003, Linux for x86 Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V6.0.0	BM037ML

**Passport Advantage customer: Media pack entitlement details**

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

**HATS Multi V6.0.0**

**Entitled maintenance offerings description**

**Media packs description**

**Part number**

IBM Host Access Transformation Services Internet Cncr Usr	HATS Multi Multilingual (English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional, Turkish, Italian) Windows 2000, Windows XP, Windows Server 2003, Linux for x86 Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM038ML
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IBM Host Access Transformation Services Intranet Reg User	HATS Multi Multilingual (English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional, Turkish, Italian) Windows 2000, Windows XP, Windows Server 2003, Linux for x86 Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM038ML
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**HATS for zSeries V6.0.0**

Host Access Transformation eServer® zSeries per Concurrent User	HATS for zSeries Multilingual (English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional, Turkish, Italian) Windows 2000, Windows XP, Windows Server 2003, Linux for x86 Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM039ML
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**Entitled maintenance offerings description**

**Media packs description**

**Part number**

Host Access Transformation eServer zSeries per Registered User	HATS for zSeries Multilingual (English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional, Turkish, Italian) Windows 2000, Windows XP, Windows Server 2003, Linux for x86 Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM039ML
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**HATS iSeries V6.0.0**

Hst Acc Transformation Services Intranet iSeries Reg User	HATS iSeries Multilingual (English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional, Turkish, Italian) Windows 2000, Windows XP, Windows Server 2003, Linux for x86 Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM037ML
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Hst Acc Transformation Services Internet iSeries Conc User	HATS iSeries Multilingual (English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional, Turkish, Italian) Windows 2000, Windows XP, Windows Server 2003, Linux for x86 Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM037ML
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**Terms and conditions**

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This product is only available via Passport Advantage. It is not available as shrinkwrap.

**Agreement:** IBM International Program License Agreement. Proofs of Entitlement are required for all authorized use.

Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.



This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

**License information form numbers**

Program name	Program number	Form number
Host Access Transformation Services for Multi	5724-L02	L-LLEC-65J2JM
Host Access Transformation Services for iSeries	5724-L03	L-LLEC-65JHPD
Host Access Transformation Services for zSeries	5724-L04	L-LLEC-65JHBP

**Limited warranty:** Yes

**Warranty:** This program has warranty for a minimum of one year from acquisition from IBM or authorized IBM Business Partner. The warranty provided to the customer for at least one year from acquisition is access to databases (read Web sites) for program information and FAQs, including any known fixes to defects, which the customer can download or obtain otherwise and install at leisure.

**Money-back guarantee:** If for any reason you are dissatisfied with the program, return it within 30 days from the invoice date to the party (either IBM or its reseller) from whom you acquired it for a refund. This applies only to your first acquisition of the program.

**Copy and use on home/portable computer:** No

**Volume orders (IVO):** No

**Passport Advantage applies:** Yes, and through the Passport Advantage Web site at

<http://www.ibm.com/software/passportadvantage>

**Usage restriction:** Yes

**Charging methods and entitlement**

The following text is taken from the Program Unique Terms that accompany your purchase. This text is not inclusive. Additional details can be found in the Program Unique Terms.

**HATS Toolkit**

The license to the program entitles you to use the HATS Toolkit for an unlimited number of developers on an unlimited number of workstations for development purposes. Use of the HATS applications (run-time deployments), which are generated by the HATS Toolkit, must be in accordance with one of the charging methods below when deployed to production.

**Charging methods**

The program is available based on two charging methods: Registered Users and Concurrent Users. The number of program licenses purchased must equal the number of Registered Users and/or Concurrent Users accessing the program from the Internet and/or intranet. The Registered User charging method should be used in all cases where a user can be identified as a Registered User, as defined below. This includes access from the Internet and intranet. The Concurrent User charging method should only be used in cases where access is

from the Internet and a user cannot be identified as a Registered User.

Connections (from either users or other applications) made to the program through other products that act as connection concentrators must be counted as program users and are subject to use-base charges based on the number of Registered Users or Concurrent Users of those concentrators.

**Registered Users**

A Registered User is defined as a person who accesses and uses (i) the program or (ii) a connection to an existing application from the program. A Registered User is considered a distinct user. A Registered User Authorization is required for each distinct person that will access and use the program. A Registered User license to the program entitles a distinct Registered User to access and use the components of the program.

**Concurrent User**

The program defines a Concurrent User as any user who cannot be distinctly identified but accesses and uses (i) the program or (ii) a connection to an existing application from the program. Examples of connections would be TN3270, TN5250, VT, or JDBC connections. A Concurrent User Authorization must be acquired for each Concurrent User and the total number of Concurrent User Authorizations must be equal to the maximum number of Concurrent Users that concurrently access and use the Program at any time. A Concurrent User license to the program entitles such user to access and use the components of the program as long as the total number of users concurrently accessing and using the components at any one time does not exceed the total number of Concurrent User authorizations you have acquired.

**Entitlement**

WAS entitlement for HATS for Multiplatforms and HATS for iSeries

HATS Registered or Concurrent License — Total copies of WebSphere Application Server

- 1-49 0
- 50-149 1
- 150-249 2
- 250-349 3
- And so on

**Software Maintenance applies:** Yes

Software Maintenance, previously referred to as Software Subscription and Technical Support, is included in the Passport Advantage Agreement. Installation and technical support is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity, with voice and electronic access into IBM support organizations.

IBM includes one year of Software Maintenance with the initial license acquisition of each program acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option that is available.

While your Software Maintenance is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions; and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift

hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult your IBM Software Support Guide at

<http://techsupport.services.ibm.com/guides/handbook.html>

Software Maintenance does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

For more information about the Passport Advantage Agreement, visit the Passport Advantage Web site at

<http://www.ibm.com/software/passportadvantage>

**Other support:** Passport Advantage

**iSeries Software Maintenance applies:** No

**Educational allowance available:** Not applicable

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## Prices

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**Passport Advantage:** For Passport Advantage information and charges, contact your IBM representative or authorized IBM Business Partner. Additional information is also available at

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