

Corporate Presentation
Enterprise Modernization



About Us

Royal Cyber Solutions

20+
Technology Accelerators

550+
Technical Certifications



5-Years
Compound Annual Growth Rate

Employees Worldwide
1000+

Years in Business
15+

Offices
14




IBM Business Partner Award
2013
Beacon Finalist




Awards

Over 10 Technology and Solutions Awards since 2009 including Business Agility, Customer Integration and Digital Experience, the first ever Beacon Laureate for Business Agility



About RoyalCyber

Royal Cyber commenced operations in year 2002 as a specialized technology provider, headquartered out of Naperville, IL and further striding in as a software deployment service provider by partnering with IBM as a Business Authorized trainer and Microsoft Certified Gold Partner. Today we stand tall as a One Stop Shop for all your IT needs.



Global Presence
US, Canada, UK, UAE, S. Africa, Australia, KSA, Mexico, India



Fortune Companies
Serving Fortune companies

About Royal Cyber

Awards & Recognition



IBM's Beacon Award 2013 Finalists

Royal Cyber made its way to IBM's Beacon Award 2013 Finalists by providing unmatched and quality smarter commerce solutions to small and large enterprises all

across the globe & making the e-business simpler than ever before.

Won Best Smarter Commerce Sell Award

Royal Cyber nominated two of its clients for Royal Cyber's Smarter Commerce implementation and won the best Smarter Commerce Sell Award 2013 for its proficient implementation of e-commerce solutions on those clients.

Won IBM Impact Mobile Innovation Award 2013

Royal Cyber set another exemplary excellence by winning IBM Impact Mobile Innovation Award 2013 at Impact 2013 held on 28th April, 2013 at Las Vegas, NV.



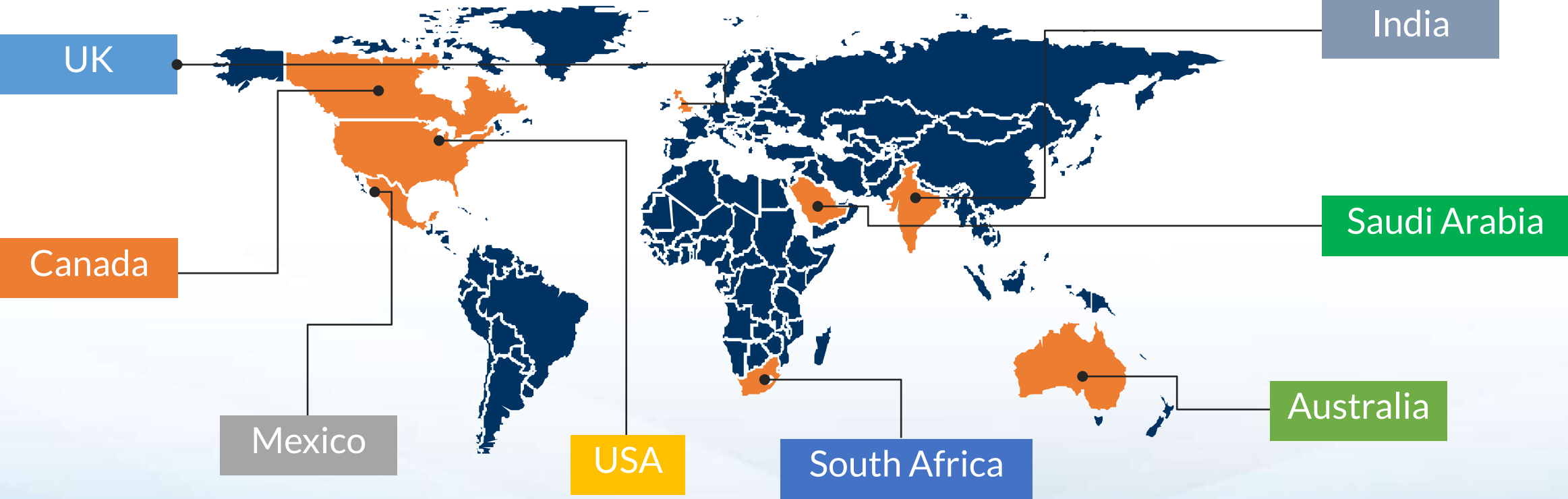
Won Innovation in Enterprise Modernization Development Award 2014

This award recognizes the IBM Business Partner solution or integration that delivers an enterprise modernization solution that helped customers extend the value and performance of existing software assets, skills, and processes. The solution must demonstrate exploitation of System Z, Power or Application Migration portfolios to solve traditional business challenges in innovative ways.

Global Presence



Presence in 8 Countries and Growing



Expertise & Line of Business

Royal Cyber Solutions



Digital Experience and Portal



Commerce (e-Commerce)



Enterprise Marketing Management



Integration Services (Middleware Integrations)



Microsoft Solutions



Asset Management Solutions



Enterprise Modernization



AS400 Services, Solutions



Business Process and Rules Management



Mobile Solutions



Analytics and Big Data



DevOps

Clientele

Royal Cyber Solutions



IBM Rational HATS

Royal Cyber Solutions



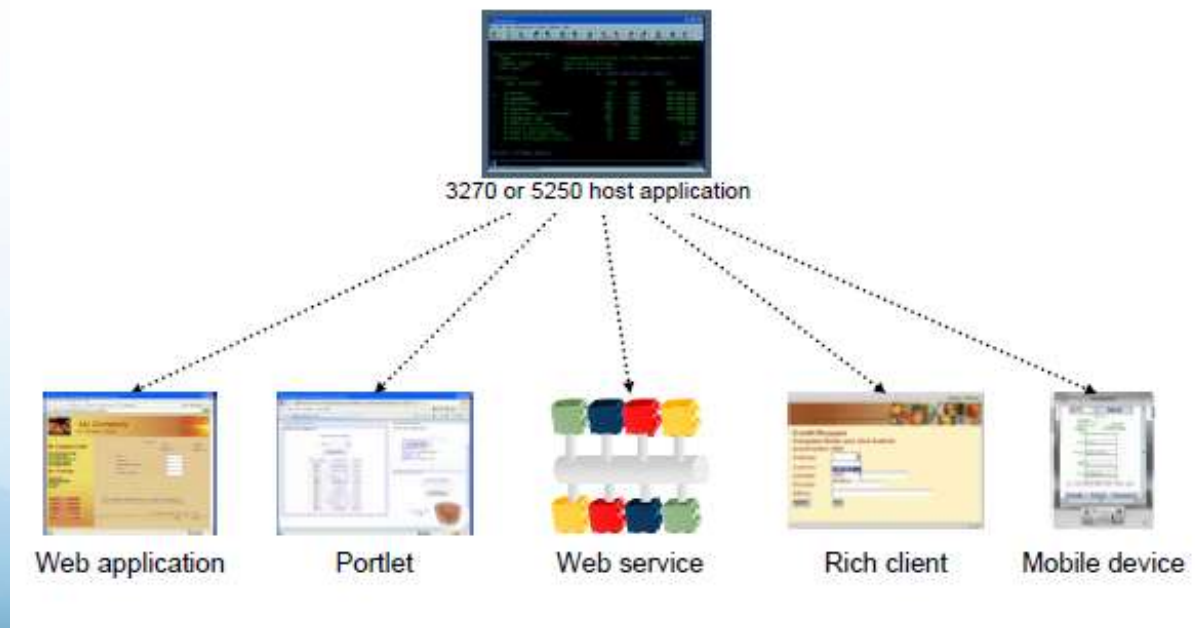
WebSphereHATSGuru
www.webspherehatsguru.com

What is HATS?

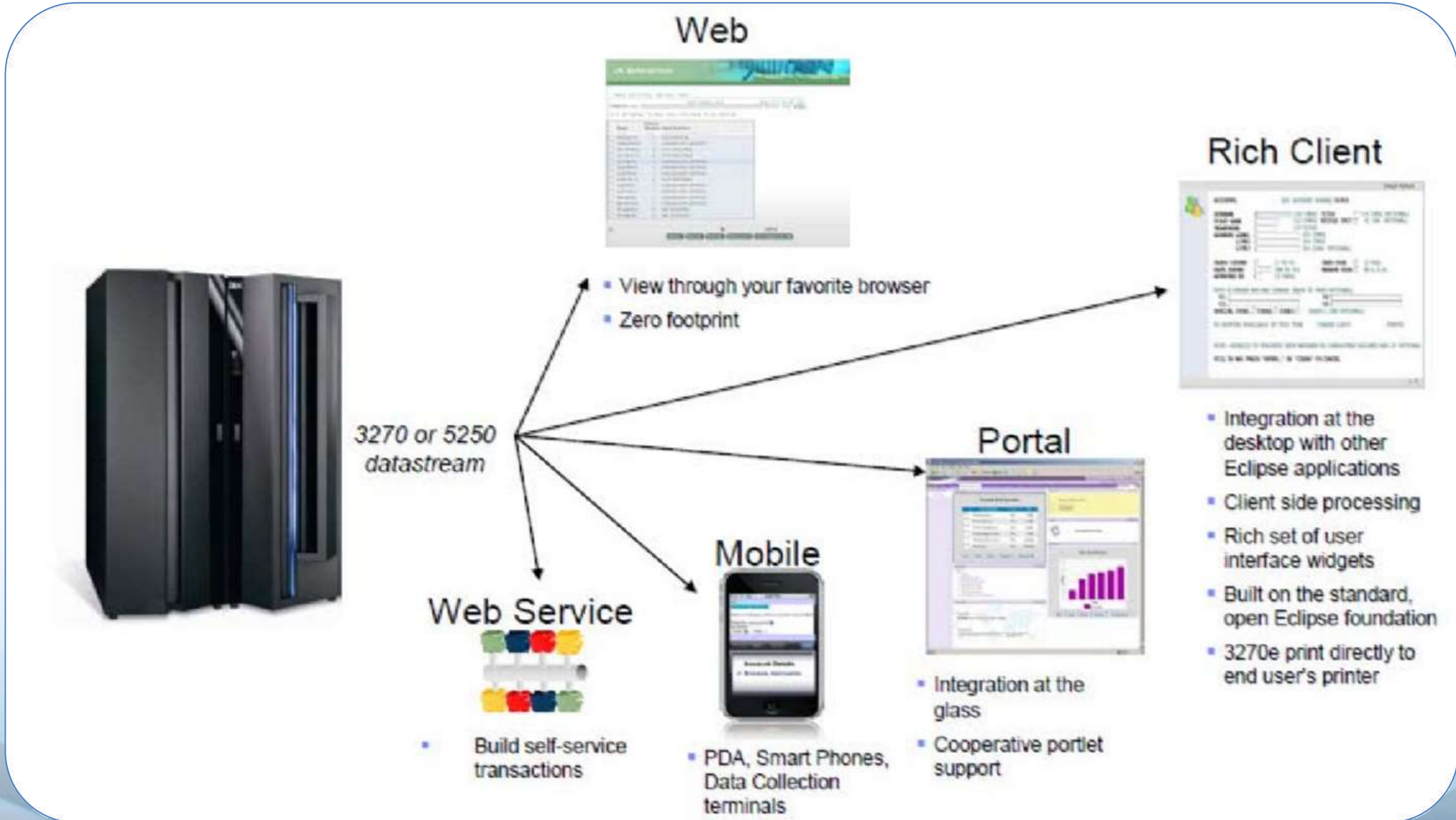
Royal Cyber Solutions

HATS (Host Access Transformation Services) is a rule-based transformation engine that:

- can transform text based ('Green Screen') applications into Web, Portlet, Mobile and Rich Client interfaces
- can expose Green Screen applications as Web Services
- can customize access to one or more Host applications
- can significantly improve the navigation and productivity of legacy applications



HATS deployment options



Green Screen Menus to Web2.0 Dynamic Menus through HATS



```

6/22/10          DMS PRODUCTION (DEMO)          NBU0002
GRANDTOTALS     KINU 410 INV MGMT     2/2 (MAINTENANCE)     R 10.0     DMS0000

Opt  Function                                     Opt  Function
1.  Manufacture maintenance                       21.  Master item maintenance
2.  Supplier maintenance                          22.  Location item maintenance
3.  Zone & code maintenance                       23.  Supplier item maintenance
4.  Sequence mask maintenance                     24.  Zone/Sls item maintenance
5.  Inventory yard maintenance                    25.  -
6.  Price matrix maintenance                      26.  Dep items in Mtr/DAS/Dep stock
7.  Cost matrix maintenance                       27.  Cost & assign item wgt values
8.  Landed cost code maintenance                  28.  Rollout items & comments maint
9.  -                                              29.  Set serial tracking flag
10. -                                             30.  Set selling 50% to EA -1 bin. +

                                     Data Option
                                     or Search

SO#Sign off

F6#Display message  F10#Parent menu  F14#Work with submitted jobs
    
```

```

6/22/10          DMS PRODUCTION (DEMO)          NBU0002
GRANDTOTALS     KINU 410 INV MGMT     2/2 (MAINTENANCE)     R 10.0     DMS0000

Opt  Function                                     Opt  Function
21.  Chg master items by subcode                  21.  Delete an item from data base
22.  Chg master items by roll code                 22.  Delete an item from loc files
23.  Chg master items by part range                23.  Purge mist items by Mtr & DAS
24.  Upload work item data for upload              24.  Purge loc items by org demand
25.  -                                              25.  -
26.  Chg part#s - Build workfile                   26.  Clear zone group by Mtr & DAS
27.  Chg part#s - Merge workfile                   27.  Zero more tax if more gsp blk
28.  Chg part#s - Update data base                 28.  Chk for more price & zone gsp
29.  -                                              29.  -
30.  Chg part#s - Update dnd history                30.  -

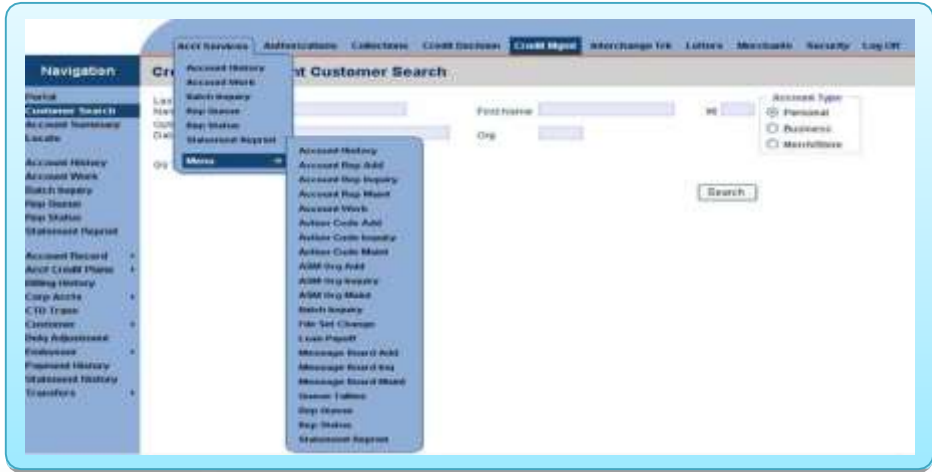
                                     Data Option
                                     or Search

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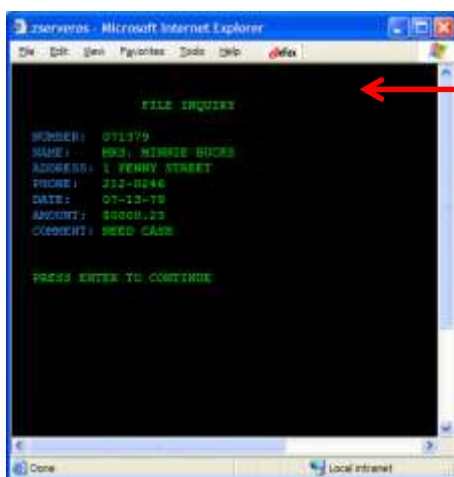


Dynamic Menu Templates for the legacy systems



Screen Transformation

- IBM HATS allows you to improve the appearance and ease the navigation of your Host applications without any modification of the source code



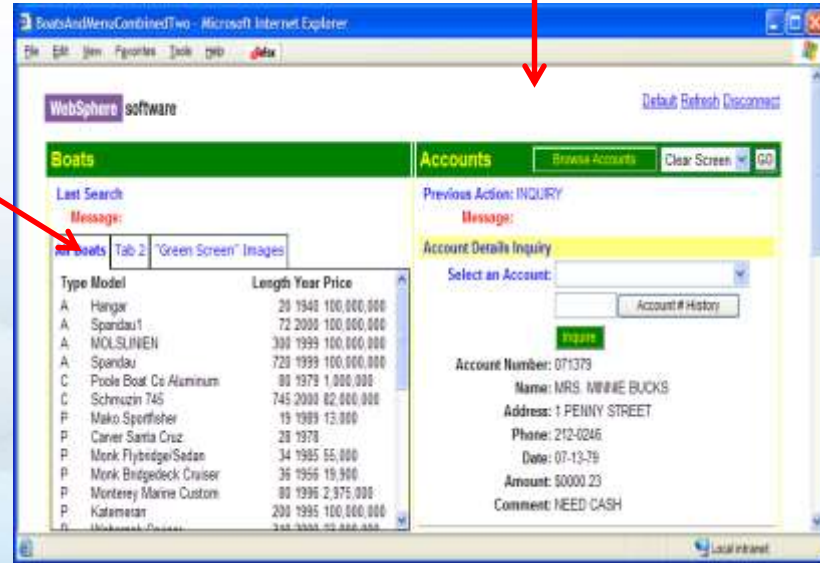
5250 and 3270 before transformation

Modernized Controls



Tabs

5250 and 3270 after transformation



HATS Business Benefits



- Modernized look and feel for 3270 or 5250 applications
- Easy to consume with low training overhead for end-users
- Ability to extend the reach of an application to Rich Client, Internet or Mobile Device interfaces
- Ability to expose an existing application as a Web Service and enable it as part of a Service Oriented Architecture (SOA)
- Ability to improve the work flow and navigation of an existing application without making changes to it
- No compromise on Data Security
- Rapid results with low development and maintenance costs
- Reduced risk and testing effort as the original application has not been changed

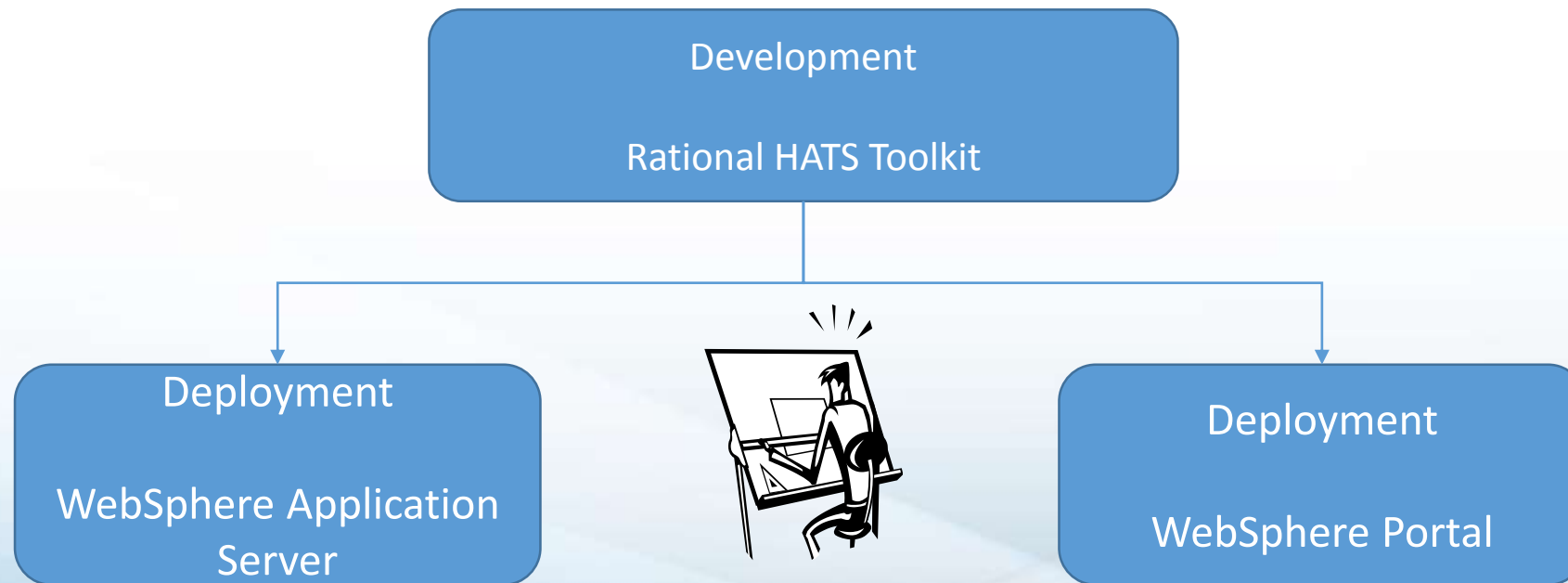
HATS Benefits for Developers



- **Easy to learn and use**
 - No “production-level” programming skills required
 - No need to access or modify source code
 - Ability to produce results quickly
 - Easy to deploy - only software needed on the client is a Web browser
- **Default rules allow host apps to be deployed on the Web within hours**
 - No need to customize every screen
 - Add further customization at your own pace
- **Simple techniques to interface to new technology**
 - Merge data from more than one screen into a single Web interface
 - Interface to mobile devices

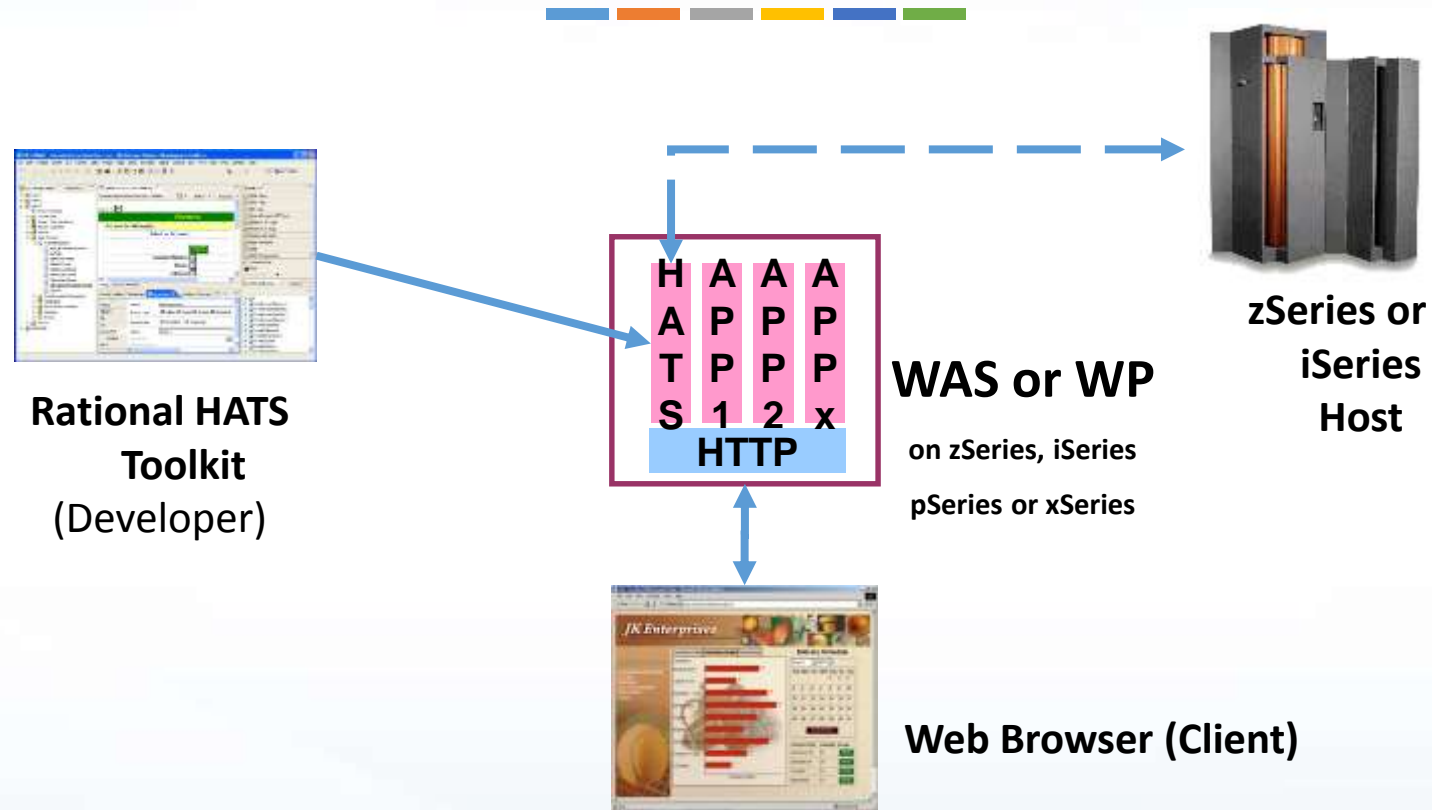
HATS with Rational and WebSphere

- HATS Toolkit must be installed onto a Rational Software Development Platform which runs on the Developer's desktop . E.g. Rational Application Developer 9.0 , Rational Developer for System z 9.0, Rational Business Developer 9.0 , Rational Software Architect 9.0 or WebSphere Integration Developer
- HATS applications can be deployed to a WebSphere Application Server or WebSphere Portal Server



📌 With the newer version of HATS (9.x) you can also deploy HATS applications on Apache Geronimo Server and Oracle WebLogic Server as well

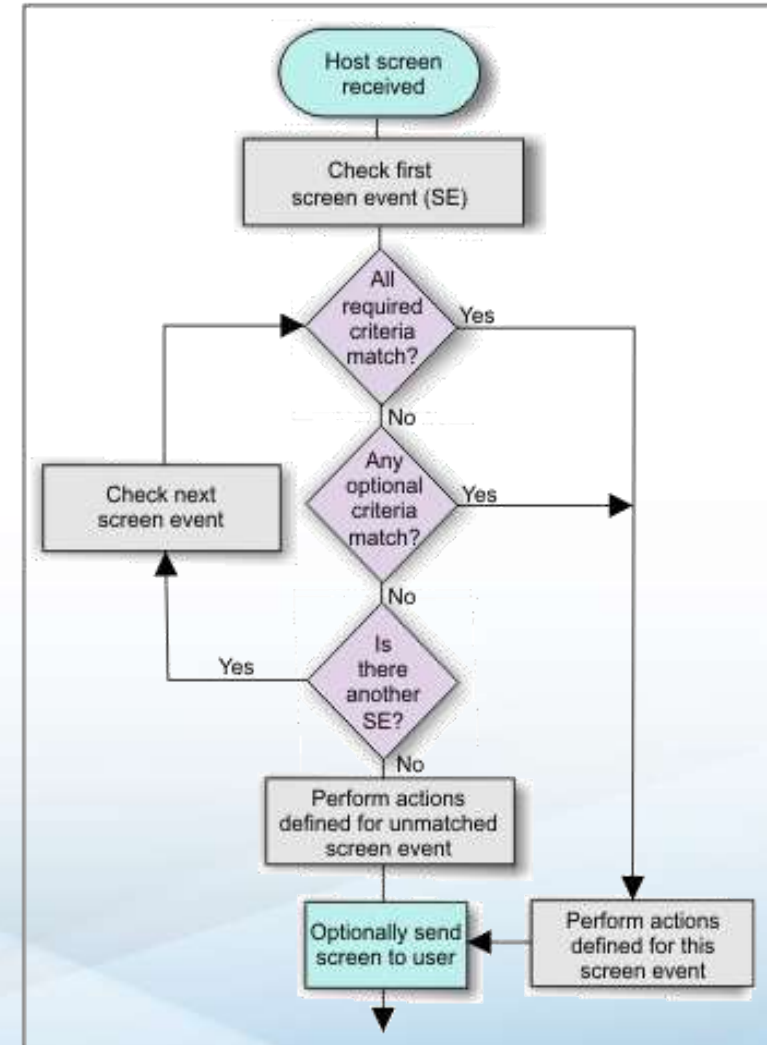
HATS Environment... a bird eye view



- The developer uses the HATS Toolkit to develop and test a HATS application
- The HATS application is then deployed to WebSphere Application Server or WebSphere Portal
- Using a Web browser, the user accesses the HATS application
- The HATS runtime connects to the target Host system. As the user interacts with the Host, the HATS runtime transforms host screens to and from web pages

HATS Architecture

- HATS runtime tries to match the expected screen
- If the recognition criteria match, continue to next expected screen
- Else, if recognition criteria does not match, runtime will wait for HOST to continue update the presentation space and trigger event to perform the recognition
- The runtime might go through several cycle of waiting & evaluation until screen recognition succeed or Screen Timeout elapsed



Why Royal Cyber?



1. RC team has very good knowledge in **Enterprise Modernization** tools like **IBM HATS, EGL, RME** and other tools like **RDz, RDp**...etc.
2. Have worked on Enterprise modernization tools for almost 10 years and RC has at least 100+ consultants who knows EM (**HATS, EGL** and **RME**) tools very well, so this totally covers the backup plan and knowledge migration issues.
3. RC consultant's works during US timings so the response time for any issues from the customer is good.
4. RC team knows the complete frame work of the **HATS** and **EGL** applications, so working on enhancements and solving issues is pretty easy and time taken to develop will be very less.
5. Royal Cyber is the premier IBM business partners and works very closely with IBM to get the right products for the customers, participates in all the meetings of the new **HATS** beta release, get the customers feedback and works with IBM based on the feedback.
6. RC team just do not do the work which is given to them from the customer, they always provide new ideas and suggest new tools to improve the customers usability, improve the performance of the application like, **HATS** new releases, introducing **RBD** for web2.0 applications, **RTC** for better source control and management and more.
7. Royal cyber has different teams like Modernization (**IBM HATS, EGL**...etc.), WebSphere (WebSphere server, portal and commerce), Rational team, database team, Mainframe, System I...etc., if there are any other issues like WebSphere performance issues, deployment issues, or any issues related to project can be easily handled by **RC** team.
8. Royal cyber has experience working with so many mainframe and system I customers, Royal cyber technical architect team has the knowledge base of all the code, so **Royal Cyber** team reuses it from the knowledge pool, in this way the turnaround time of development is very quick, some of the widgets and components are

Why Royal Cyber?



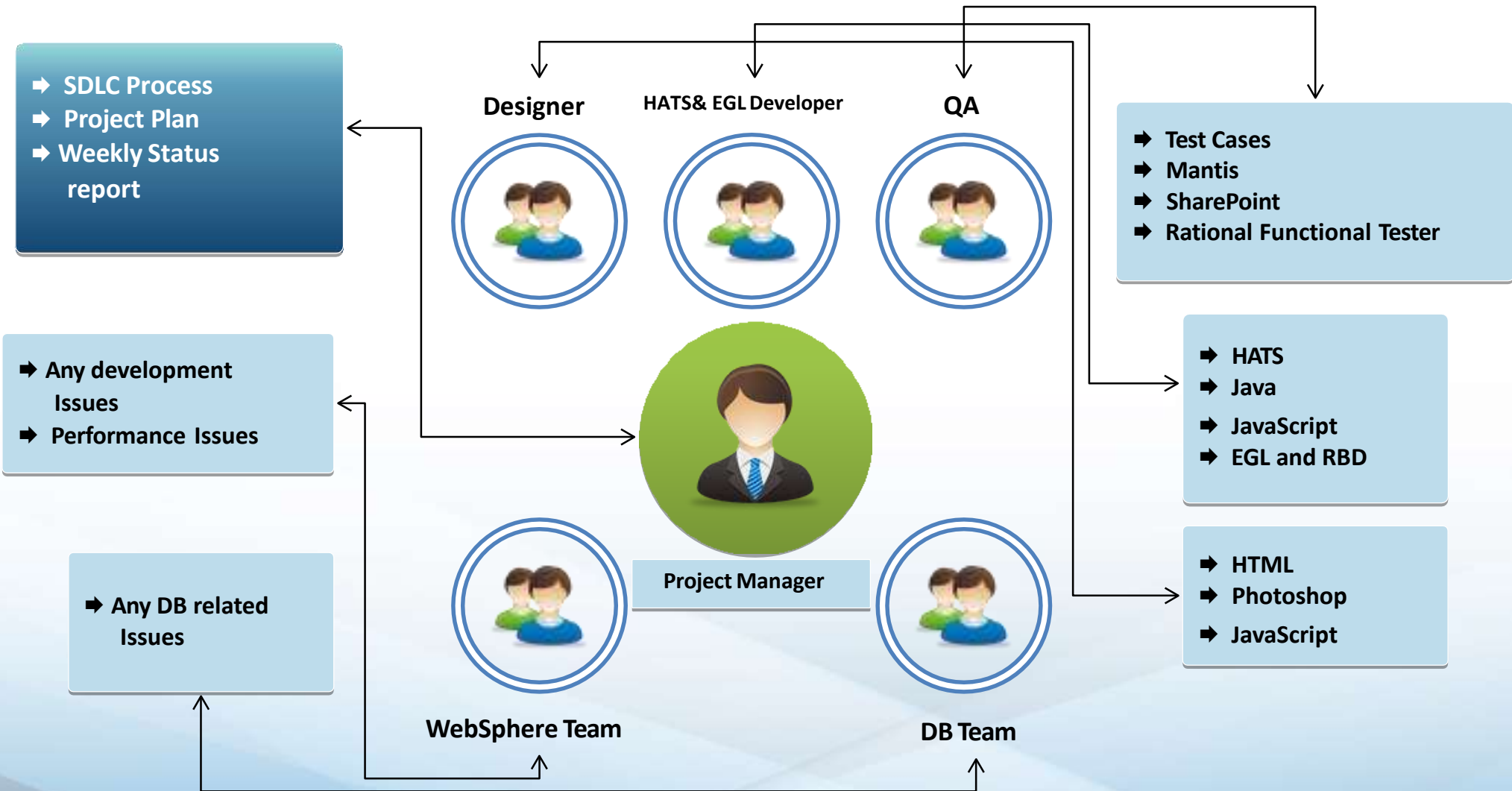
- **Dynamic Menu** – For both Iseries and Zseries (Common Macro).
 - **Subfile Widget** -For rendering Subfile
 - **Table widget** – To render data in the form of table.
 - **Scrollable table widget** – to render data from multiple screens and display within one fixed scrollable component.
 - **Subfile widget for single action and multiple actions.**
 - **Function Key Widget.** –Rendering function keys in the form of widget.
 - **Page down & Page up with different signs** (<,>, next, prev, Up, down).
 - **Tab widget** – To navigate across multiple screens and displaying the data in one TAB.
 - **Sorting Widget** - To sort any names or any other fields.
 - **Mixedcase component** – to convert the entire green screen caps letters into upper and lower (mixed case) format.
 - **MixCaseInputSelectionComponent** – to convert the combo box captions to mixed case.
 - **Dollar Format:** To convert the input values into proper dollar format values with appropriate decimals
9. Royal cyber team has designers who know **HATS, EGL** plus designing skill sets, so the they know how to design the screens for better look and feel.
10. QA team knows how to write test cases using **RPT** and **RFT** to improve the quality.

Royal Cyber Inc. Success Stories



Industry	Client	Project	Review the Case Study
Scrap Metal Recycling	Keywell LLC	Web based Inventory System	http://www.webspherehatsguru.com/common_files/KeywellCaseStudy.pdf
Finance	Fiserv CPS	Modernization of Green Screens to Web2.0	http://www.webspherehatsguru.com/common_files/Fiserv_CaseStudy.pdf
Mortgage and Finance	Vanderbilt	Customer Lifecycle Management	http://www.webspherehatsguru.com/common_files/Vanderbilt_CaseStudy.pdf
Mortgage Technology and Services	ISGN	Customer Lifecycle Management	http://www.webspherehatsguru.com/common_files/ISGN_Casestudy.pdf
Machinery Engineering	Zahid Tractors	Green Screen Modernization	http://www.webspherehatsguru.com/common_files/Zahid_Casestudy.pdf
Mortgage and Finance	Clayton Homes	Customer Lifecycle Management	http://www.webspherehatsguru.com/common_files/ClaytonHomes_CaseStudy.pdf
Medical Services	Indian River Medical	Medical Record Management	http://www.webspherehatsguru.com/common_files/CaseStudy_IRMC.pdf
Education	Illinois State University	Student Application Management System	http://www.webspherehatsguru.com/common_files/ISU_Application_EGL.pdf
Government	Public Pension Agency	Change and Configuration Management	http://www.webspherehatsguru.com/common_files/PulicPensionAgencyCaseStudy.pdf
Saudi Military	Riyadh Military Hospital	Collaborative Lifecycle Management	http://www.webspherehatsguru.com/common_files/RiyadhMilitaryHospitalCaseStudy.pdf

Royal Cyber Inc. Modernization Work Flow





Professional Certification Program from IBM.
www.ibm.com/certify



In recognition of the commitment to achieve professional excellence,
this certifies that

has successfully completed the program requirements as an

IBM Certified Application Developer Rational Host Access Transformation Services (HATS) v7.1



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Senior Vice President and Group Executive
Steve Mills

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Thank you!