



IBM Rational Brand

Rational and Systems i

Pat Flisher
GB and RTM Lead
Rational, NE IOT

Rational Tools for i

HATS

Up to date user experience, extend to handheld, integrate apps, SOA

Updating Existing Applications

IBM and Partner Solutions

Conversion and Code Analysis Tools

AS/400, i Series and Systems I Applications

Better quality and higher productivity RPG or Cobol

Developer Productivity

Best of Both

EGL - Very high productivity, SOA Development, Java or Cobol

RBD

40% - 60%

EJB Java Development

Optimised For WAS on I for Power

RAD

15% - 25% **RDi**

RDi SOA

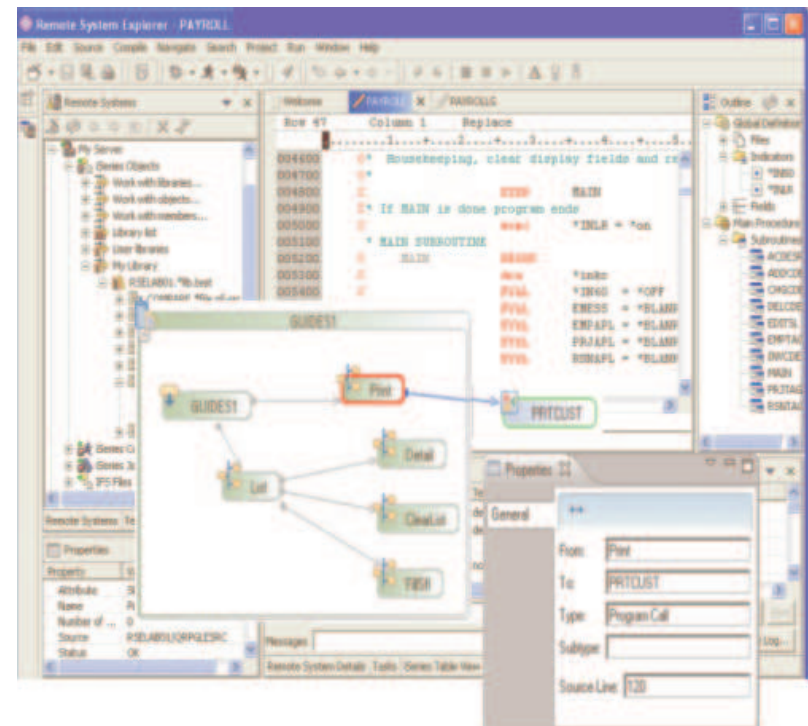
Analyse and Manage
ReqPro: Document what you want to do and share
RSA: Architect your next generation of applications
ClearCase: Manage assets and control code versions
ClearQuest: Track defects and manage change
RTCi: Manage and Control Development Projects and Teams

Test
Rational Manual Tester
Rational Functional Tester
Rational Performance Tester
AppScan: Website Security

IBM Rational Developer for System i v7.1

Open, modular and modern solutions for developing traditional RPG and COBOL applications for i

- **Rational Developer for System i offers lightweight and high performance edit, compile and debug capabilities to develop traditional RPG, COBOL and CL applications for i**
- **System i customers looking for a low learning curve solution to exploit existing business logic**
- **What's new in v7.1?**
 - Application diagram enhancement now includes support for CL, program calls and functional zoom
 - Screen Designer tech preview
 - White-Box Direct Program Call runtime built on top of toolbox
 - Complete J2EE application development with RDi and Rational Application Developer or Rational Software Architect
 - Pre-requisite tooling for integrating JCA Connectors, wizards and tools to leverage the I Java Toolbox, and many other Java specific features

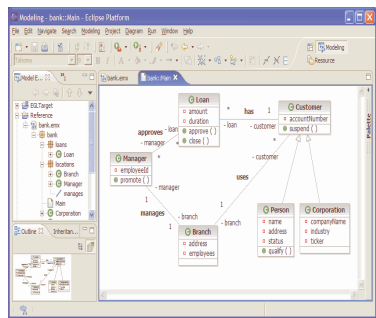


Rational Business Developer and RDi SOA

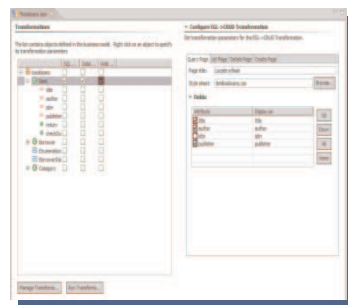
- ▶ Transform UML models to RBD
- ▶ Best way to go...

from **SOA models** to **construction of services**

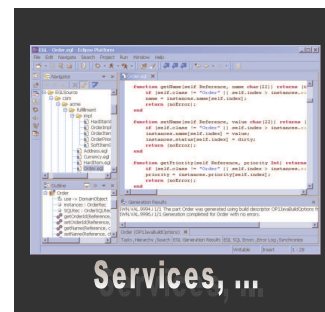
services deployed on System z, System i, or anywhere else



1. Model



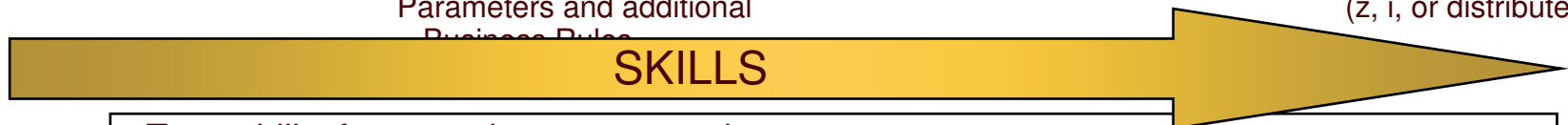
2. Define Transformation Parameters and additional Business Rules



3. Transform to RBD code

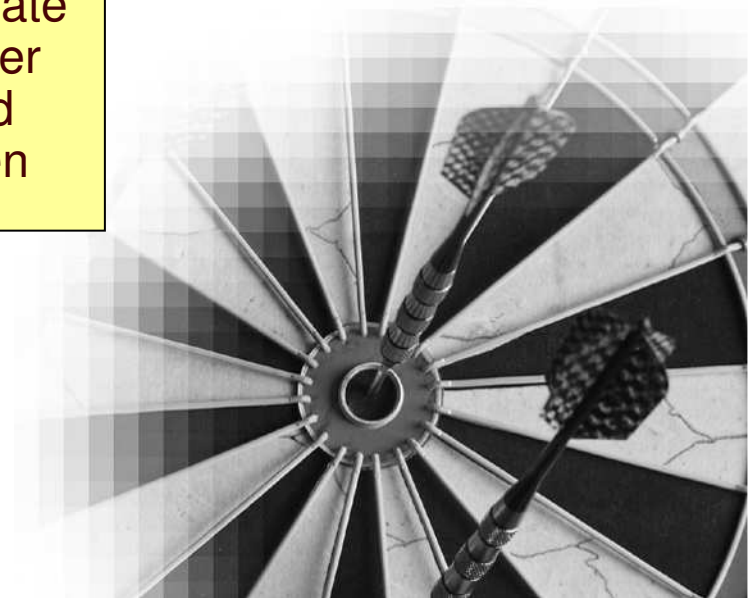
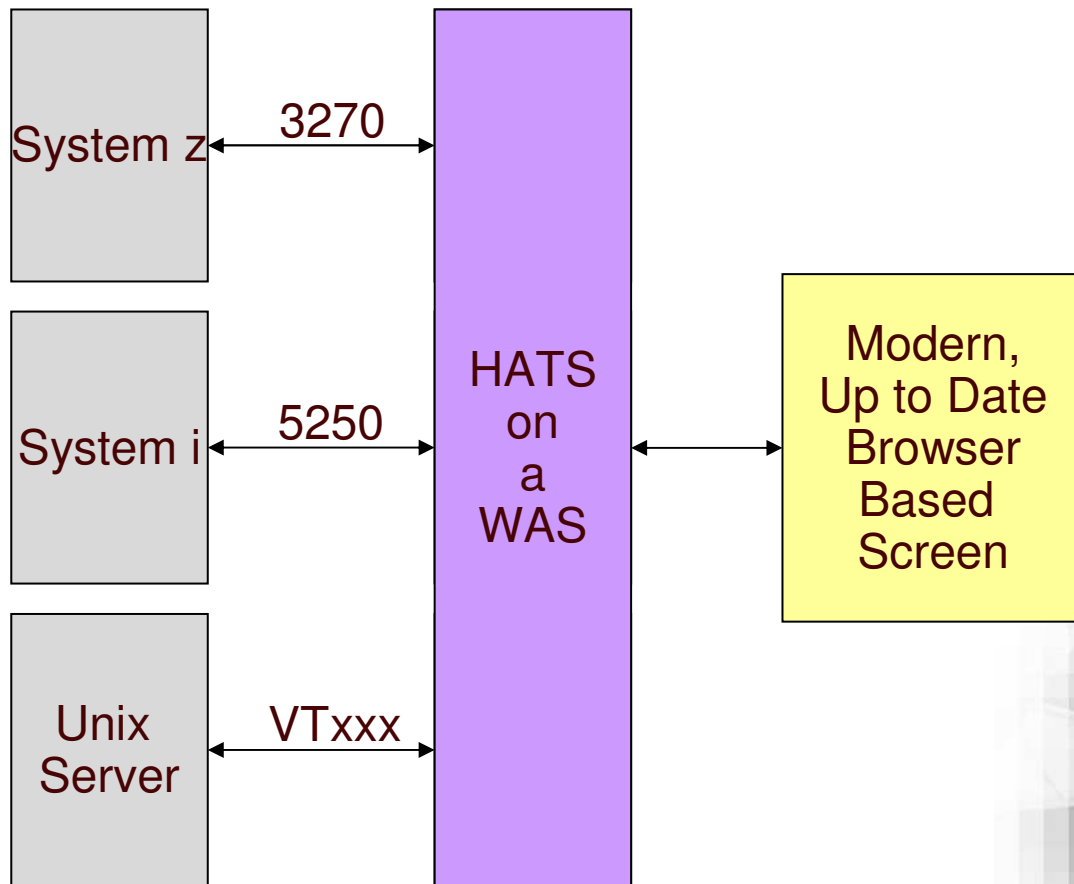


4. Deploy to platform (z, i, or distributed)



- Traceability from requirements to code
- Create your own transformations
- Transformations enriched by Business Rule Annotation and Transformation Parameters

HATS - what is it?



Host Access Transformation Services (HATS)

Rich Client



- Integration at the desktop with other Eclipse-based applications
- Client side processing
- Rich set of user interface widgets
- Supports Lotus Expeditor deployment

Browser



- Zero footprint
- Pure HTML
- Access through your favorite browser, including Internet Explorer and Firefox.

Portal



- Integration at the glass
- Cooperative portlet support
- JSR 168 compliant

Mobile



- Access host applications from mobile devices

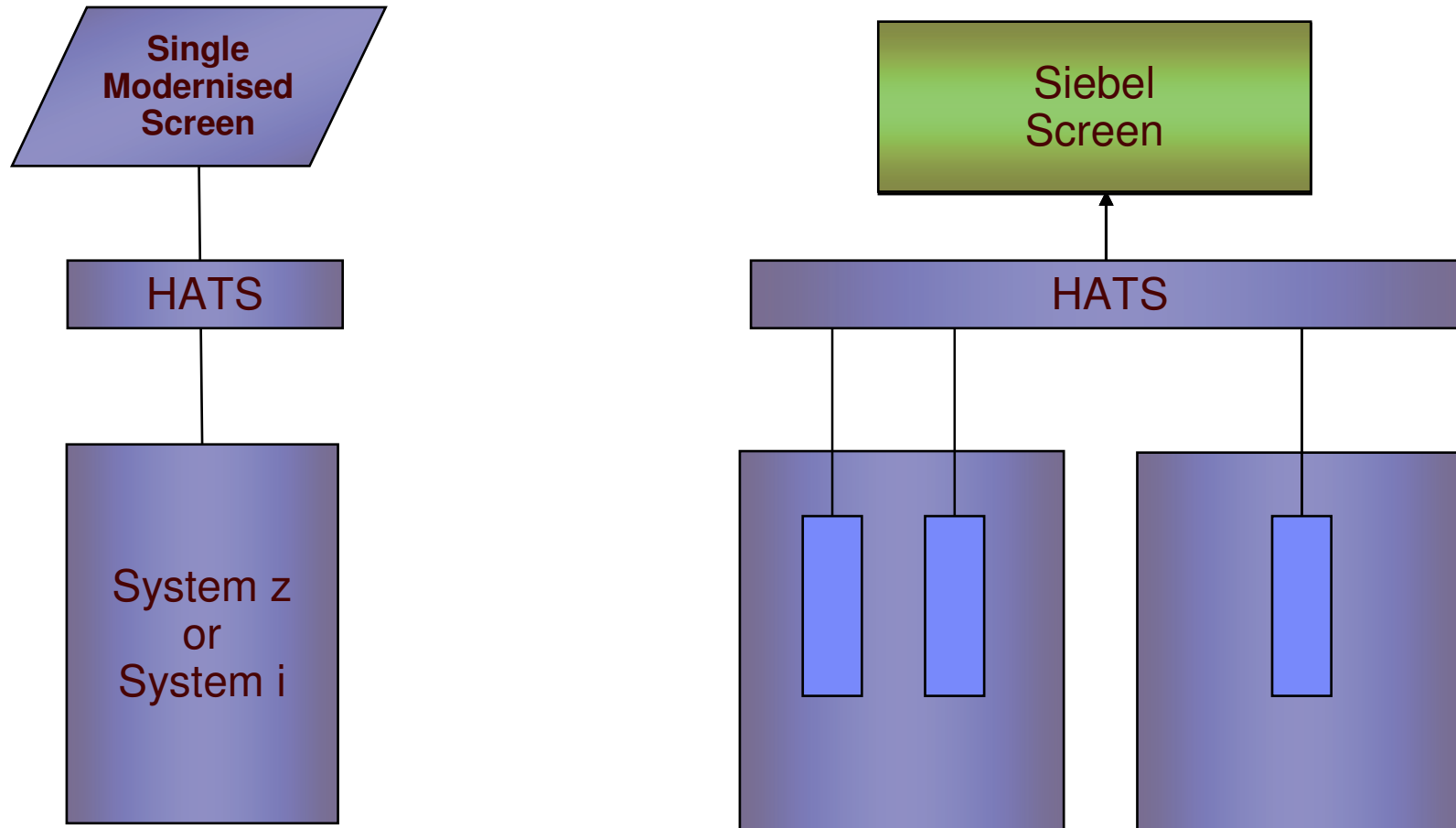
Web Services



- Build self-service transactions
- Expose host business processes as Web Services
- Provide controlled access to vital host applications and host data.

- *Quick ROI : Host applications can be quickly deployed with a new user interface*
- *Low cost : No need to rewrite application*
- *Low risk : Leverage open, proven platforms and technologies*
- *Increase productivity and reduce training costs*
- *Improving work flow from multiple applications*
- *Provides integration of host business processes and data with other Web, portal, and rich client applications*

HATS is not just a new screen.....



Connect To Multiple Sessions in Many Back End Applications

Andrew Ireland
Binary Computer Services Ltd
Application Modernisation Specialist



IBM Rational Software Development Conference 2008

WHERE TEAMS ARE **R-HEROES**



On the Minds of Top Executives Worldwide



CEO Challenges

- Process Efficiency
- Meeting Customer Expectations
- Employee Productivity
- Security & Privacy

CIO Challenges

- Aligning IT & business goals
- Building responsiveness and agility into the organization through IT
- Enable IT staff to be more effective

Existing Realities (*“Where are you now...”*)

**70% Business Logic sits
within Legacy Systems**



**Need for Legacy & Browser
Applications to co-exist**



**Legacy Applications will be
around in 5 years time**



Is this your System i Infrastructure?

PDM/SEU

Type	Object	Type	Attribute	Text
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM

Applications

Type	Object	Type	Attribute	Text
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM

Query/400

Type	Object	Type	Attribute	Text
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM
---	QALLOM	VFDP	APPL2	CALL QALLOM

Do you use WDSC?

Customers are asking, can we.... ?

Leverage existing assets?

Discover and gain control over our existing enterprise application portfolio?

Identify assets for reuse in a Service Oriented Architecture?

Leverage modern architectures?

Create services easily from existing code, including CICS, IMS, i5/OS and 5250 terminal applications?

Define new services for all deployment platforms from initial design to implementation?

Leverage existing skills and attract new skills?

Exploit new technologies and innovation without retraining existing staff that knows the business?

Utilize new employees on any project independent of target platform?

Leverage common development environment across siloed development teams?

Lower costs due to elimination of duplicate tools and processes?

Realize improved end-to-end communication and traceability across the entire lifecycle?

Leverage my investments?

Reduce maintenance costs, freeing resources to work on new projects?



Other

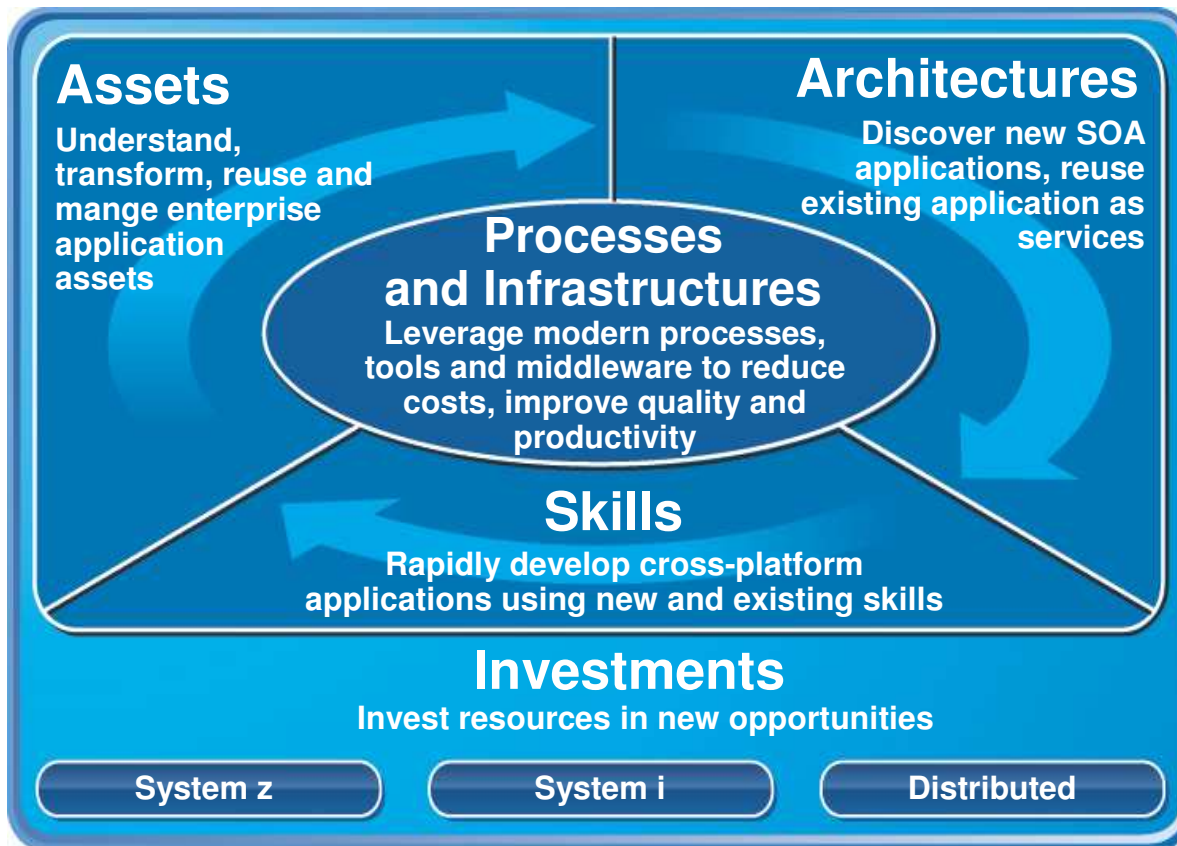
The Challenges of Modernization



To enable flexibility, IT must overcome challenges such as:

- ▶ No electronic inventory of current IT assets
- ▶ Complex application architectures
- ▶ Skills lock-in
- ▶ Islands of development
- ▶ No flexibility for new investments

Enterprise Modernization – Solution Overview

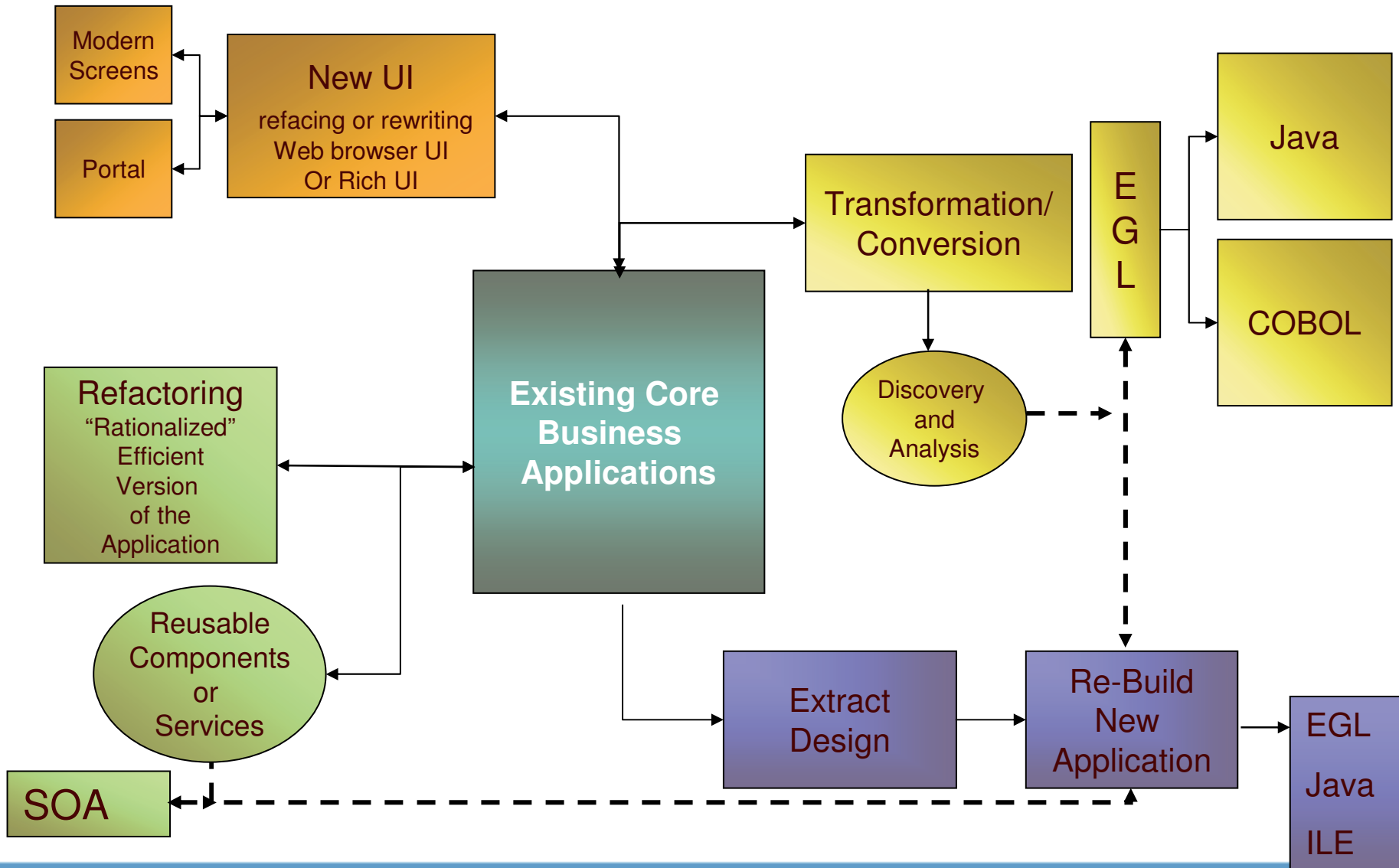


- ✓ *Leverage value in existing assets*
- ✓ *Drive innovation with technology advancements*
- ✓ *Leverage existing and new skills on multi-platform projects*
- ✓ *Improve responsiveness of systems & people*
- ✓ *Reduce maintenance costs*

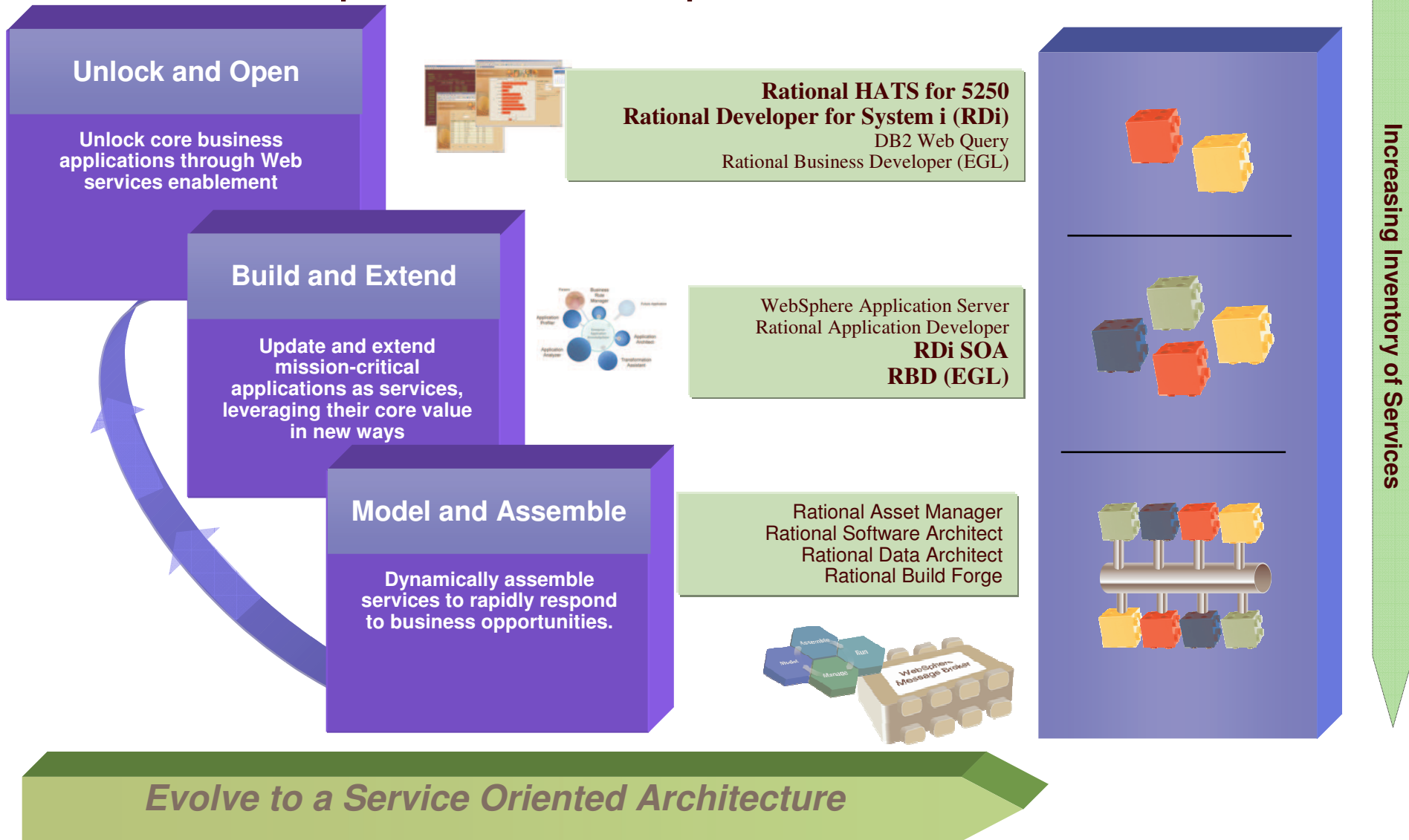
<http://www-306.ibm.com/software/info/developer/solutions/em/systems/i/index.jsp>



Spectrum of Options for Application Modernization



IBM's Developer's Roadmap



Rational and System i

New Rational Organization

Enterprise Modernization

i5/OS Compilers and Tools transferred to Rational

- Application development tools in same division for all platforms

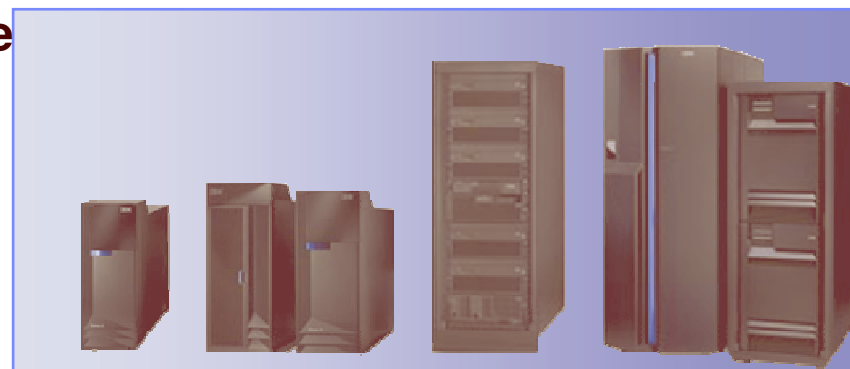
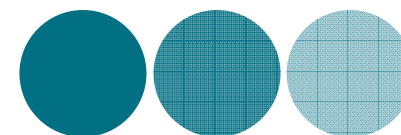
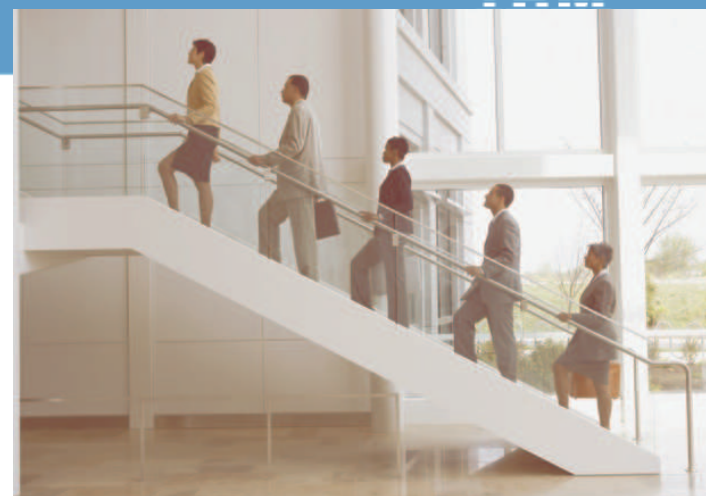
Focused on

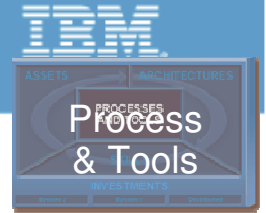
System i and z customers

Business Application Developers

Bringing products to System i with native “i” OS support!

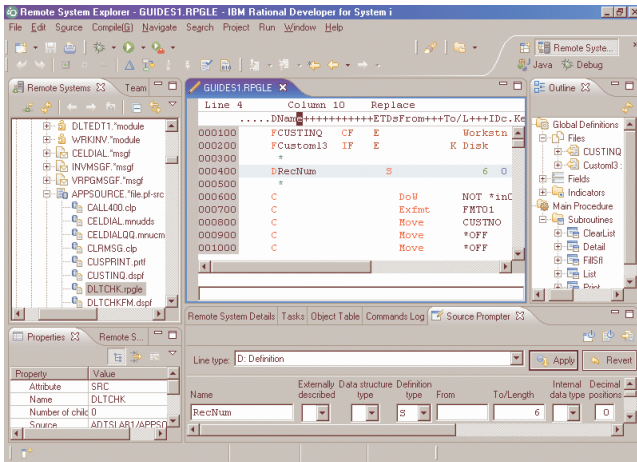
Seamless platform independent tools and technologies for all supported systems.





Modernize Your IDEs

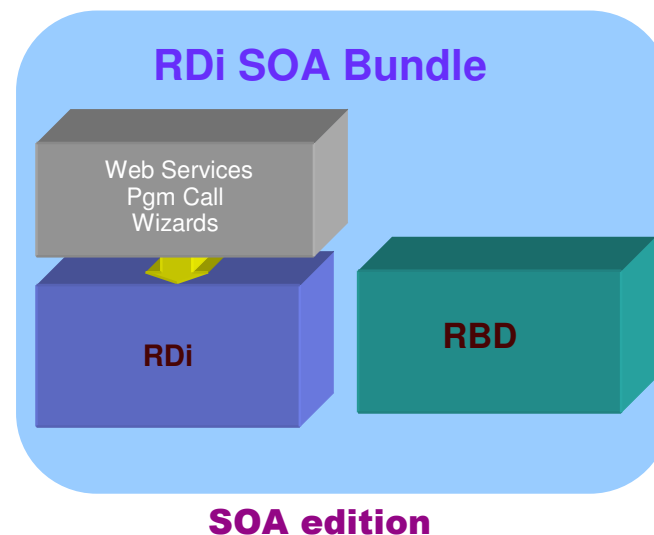
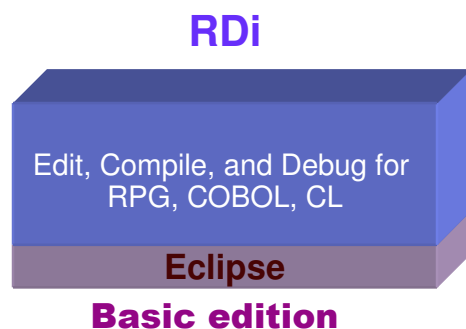
Achieve high productivity with modern development



- Use modern IDEs to develop and maintain code
 - ▶ Rational Developer for System i (RDi) **New!**
 - ▶ Rational Developer for System i for SOA Construction (RDi SOA) **New!**
 - ▶ Rational Business Developer Extension (RBDe)
 - ▶ Rational Application Developer (RAD)

- Benefits of a modern IDE
 - ▶ Syntax highlighting and code assist
 - ▶ Error detection and debugging services
 - ▶ Multi-platform and off-platform edit, compile, and debug
 - ▶ Recruit new developers w/ IDE built on open standards

New Rational products: RDi & RDi SOA



New Rational products

RDi – lightweight Eclipse based development tool for RPG, COBOL, and CL programs

Includes LPEX, RSE, and End to End Debugger

New features include: Application Diagrammer and the Screen Designer

RDi SOA – EGL, SOA, Web tools

RDi + Rational Business Developer (RBD) with EGL

Tools for Web Design

Web Services from RPG/COBOL

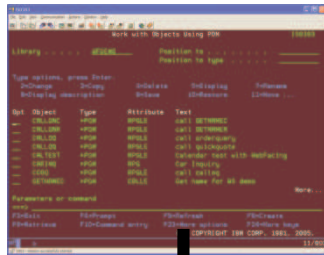
Bundle for developers who need end-to-end web and SOA solutions

HATS for 5250 Applications – WebFacing and HATS

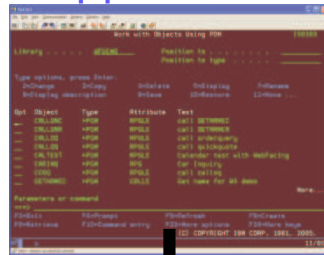
RAD - Advanced Java Development (J2EE)

System i Infrastructure Applications

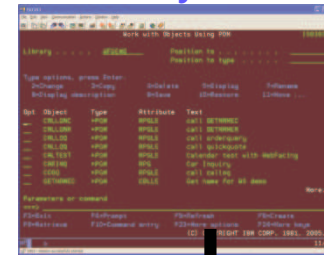
PDM/SEU



Applications



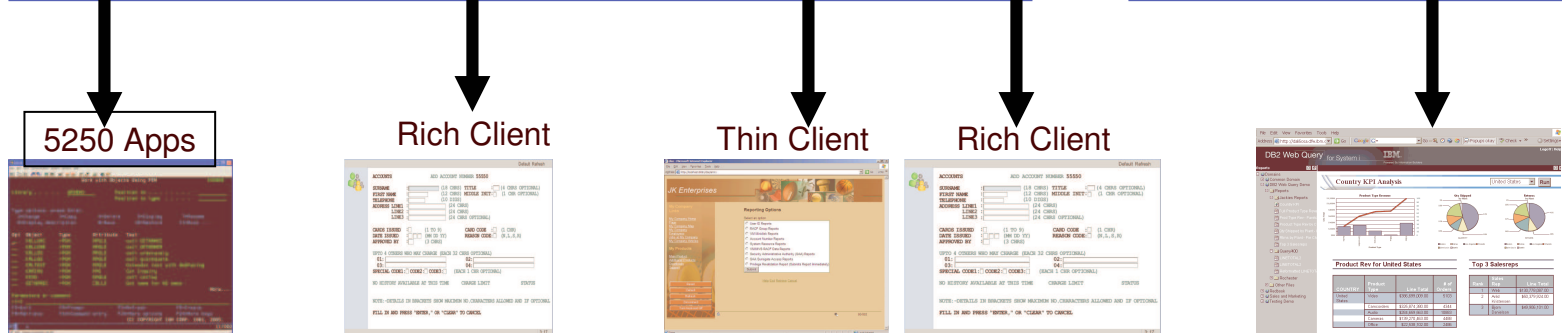
Query/400



Development



Applications





Reface an existing UI with HATS

- **Quick ROI - Host applications can be quickly deployed with a GUI**
- **Low cost - No need to rewrite application**
- **Low risk – Leverage Open, Proven Platforms**
- **Increase productivity and reduce training costs**
- **Improving work flow from multiple applications**



- Integration at the desktop with other Eclipse applications
- Client side processing
- Rich set of user interface widgets
- Built on the standard, open Eclipse foundation



- Zero footprint
- View through your favorite browser

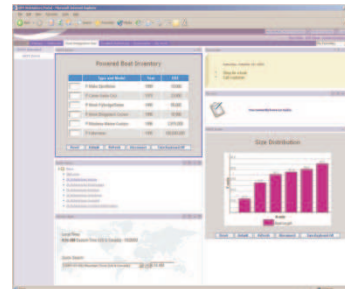
3270 or 5250 Data stream

Web Service



- Build self-service transactions

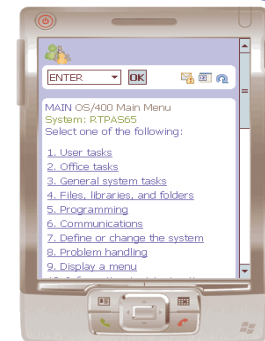
Portal



- Integration at the glass
- Click-to-Action support

Mobile

New!



- Access host applications from mobile devices



My Computer
Recycle Bin
My Briefcase
IBM Standard Software In...
Workstation Inventory Tool
IBM Global Network Dialer
Lotus 1-2-3
Lotus Freelan...
Lotus Notes

MS-DOS Prompt
nosocks.
socks.b
HOME
IExplore
RealPlay Basic
TakeB
RealJuke
ScanCr
CS-P Co

EXTRA! A - Session1

File Edit Transfer Options Connection Macro Window Help
[Icons]

```
                MASTER INDEX INQUIRY
LAST NAME: smith??????????????????????????????????????????????????  MID: ?
  FIRST: john????????????????  MIDDLE:                                TITLE: ?
  AKA:                                                                  ?
  AKA:                                    NAME CNT:
  DATE OF BIRTH:                SEX:   TELEPHONE:
ADDRESS:                            ADDR CNT:
DATE OF DEATH:
STATE ID:                SSN:
EMPLOYER NAME:
COMMENTS:

RELATED CASE ID                CASE TITLE                NO. OF REL. CASES:

                                  PF2 - RESTART INQUIRY                PAGE:      OF
                                  PF3 - AKA SUMMARY                    OP ID:
  PA1 - PAGE FORWARD            PF4 - RETURN TO SUMMARY                MOD DATE:
  PA2 - PAGE BACKWARD          JSH207 - MID RECORD DOES NOT EXISTS.  TIME:
                                  JSH208 - SET ADDITIONAL SEARCH PARAMETERS.
                                  JSH209 - CANCEL TASK WITH CLEAR KEY.

JSHIMS1
```

Aa A Session1 R 3 C 17 16:29 3/23/0

Start Exploring - Ibm_preload (C:) EXTRA! A - Session1 Untitled - Lotus ScreenCam 97 [Buttons]

Lotus ScreenCam [Close] [Play] [Stop] [Volume] shortcut to connect.exe



Hawai'i State Judiciary

Hawai'i State Judiciary's Public Access to Court Information

Search Option #1 - Enter the full case ID below.

Case ID

Search

Search Option #2 - Search on a person or business' name.

Last or Business Name

First Name

Search

Search Option #3 - Choose from the selections below and enter the case number as indicated. (Suffix is optional)

Circuit	Case Type	Year	Century	Case Number	Suffix	Search
Oahu	Civil		2000's		01	Search

- Civil
- Circuit Court Criminal
- District Court Regular Civil Claim
- District Court Small Civil Claim
- District Court Temporary Restraining Order
- Equity
- Family Court Appeal
- Family Court Criminal
- Divorce
- Family Court Domestic Abuse
- Family Court Miscellaneous
- Guardianship
- Land (after 1997)
- LAW - initiated prior to statehood w/ activity after 1984
- Mechanic's and Materialman's Lien
- Probate
- Small Estate (before 1995)
- Small Guardianship (before 1995)
- Special Proceedings
- Special Prisoner Proceedings

Print Help Exit

From this

```

PURCHASE ORDER INQUIRY          Criteria (1 of 2)  PUI123-1

Select scan type
Sequence ? _
Scan key ?
  Type :      Sub-type :      (Seq. 13 only)

P.O. selection criteria
Stores ?      (Y/N/ )
Service ?     (Y/N/ )
Type ?
  Mode - EQ, GE, GT, LE, LT, NE, RG

Criteria      Mode Values
PO number    :
Date written :
PO amount    :
Whs #        ?
Buyer        ?
Vendor       ?
Description filters :

Enter-Continue  Page Up Key  CK5-Refresh  CK7-End
CK15-Inquiry    CK17-Closed POs  CK18-Open & closed POs

PO scan seq. types
1=PO# (Headers)   9=Req by
2=PO# (Details)  10=RFQ #
3=Vendor #        11=Contract
4=Buyer           12=GL acct
5=Purchase item  13=Entity
6=Commodity      14=W.O. #
7=Date ascending 15=Project
8=Req #          16=Dte dsend

Other file scan seq types
21=Vendor #      22=Vendor alpha

Limit ? Y (Y/N)
Level ? D (H/D/B) +

MA*  a                                         04/014
    
```

To this

Bernard Matthews

Purchase Order Inquiry - Criteria (1 of 2) PUI123-1

Scan Type

Sequence

Scan Key

Type

Sub Type

Selection Criteria

Stores

Service

Type

Criteria

Criteria	Mode	Values
PO Number	<input type="text"/>	<input type="text"/>
Date Written	<input type="text"/>	<input type="text"/>
PO Amount	<input type="text"/>	<input type="text"/>
WHS Number	<input type="text"/>	<input type="text"/>
Buyer	<input type="text"/>	<input type="text"/>
Vendor	<input type="text"/>	<input type="text"/>
Description Filters	<input type="text"/>	<input type="text"/> <input checked="" type="checkbox"/> Limit <input type="text"/> Level <input type="text"/> <input type="text"/> <input type="text"/>

Refresh Inquiry End Closed POs Open & closed POs

Reset Default Refresh Disconnect Turn Keyboard Off

What is HATS mobile device support for v7.1?

HATS transformation applications can now be accessed by pervasive devices such as cellular phones, data collection terminals, and Personal Digital Assistants

This allows for the HATS developer to:

- Customize and transform individual screens

- Add business logic to screen interactions

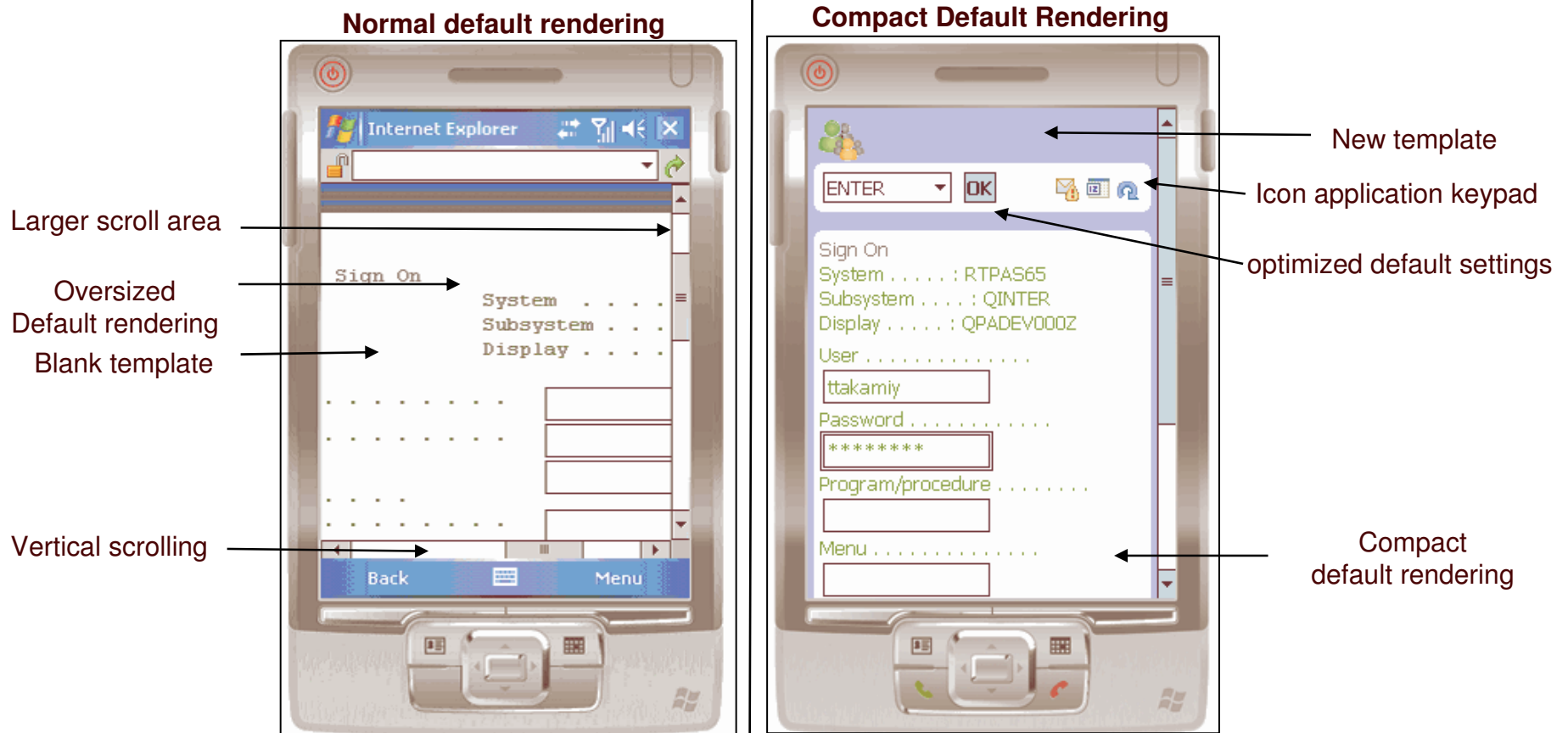
- Enhance the presentation, layout, and flow of the original host systems

Supported browser: Internet Explorer Mobile 5.0 or later

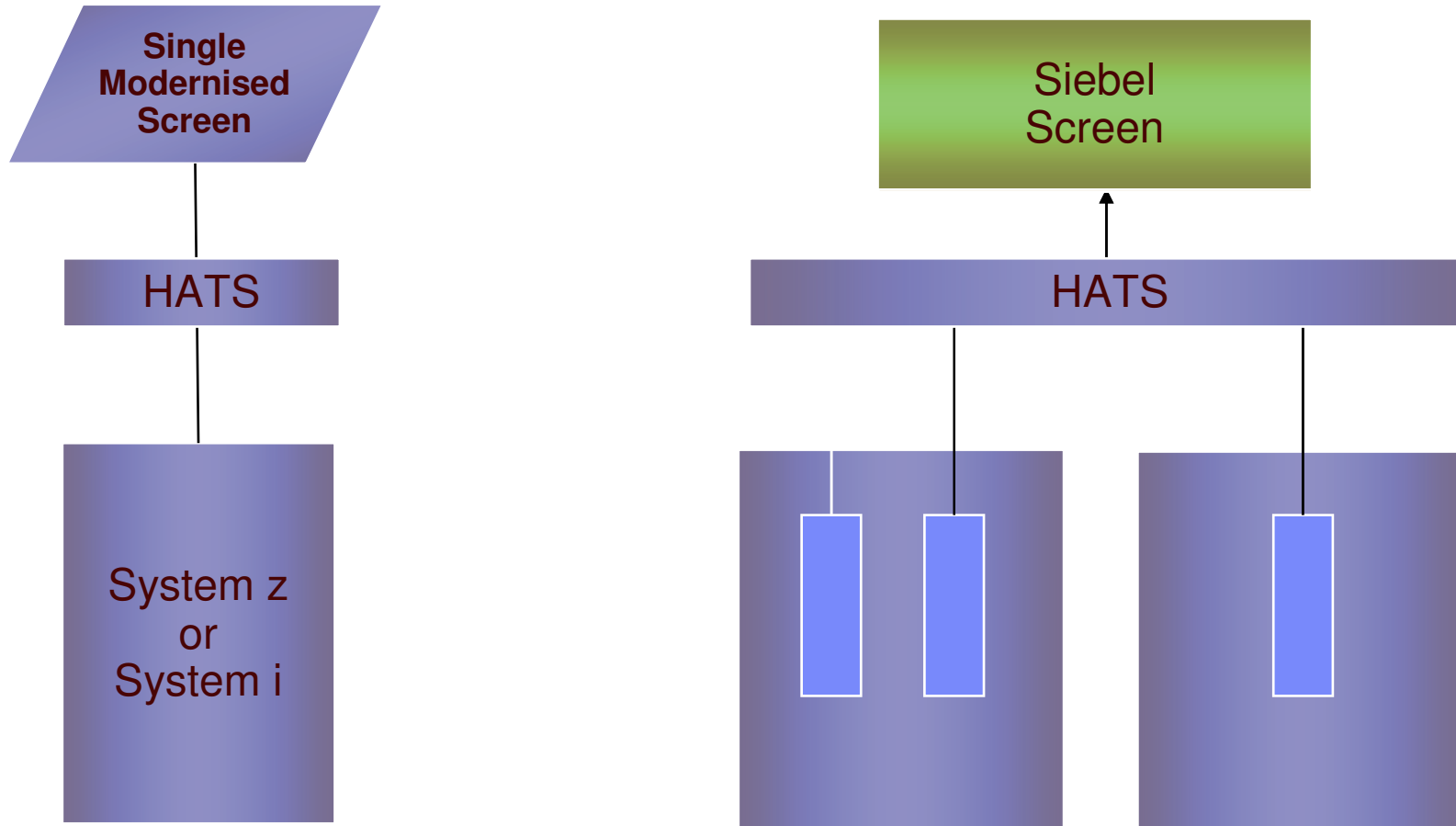
Reminder: HATS Integration Object or Web service data can also be used in conjunction with mobile devices



Compact Default Rendering Example



HATS is not just a new screen.....

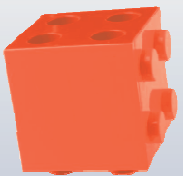


Connect To Multiple Sessions in Many Back End Applications

Now that we have rendered the applications in HATS...



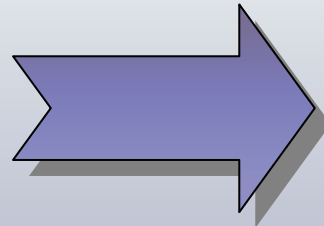
HATS- Rendered Screen



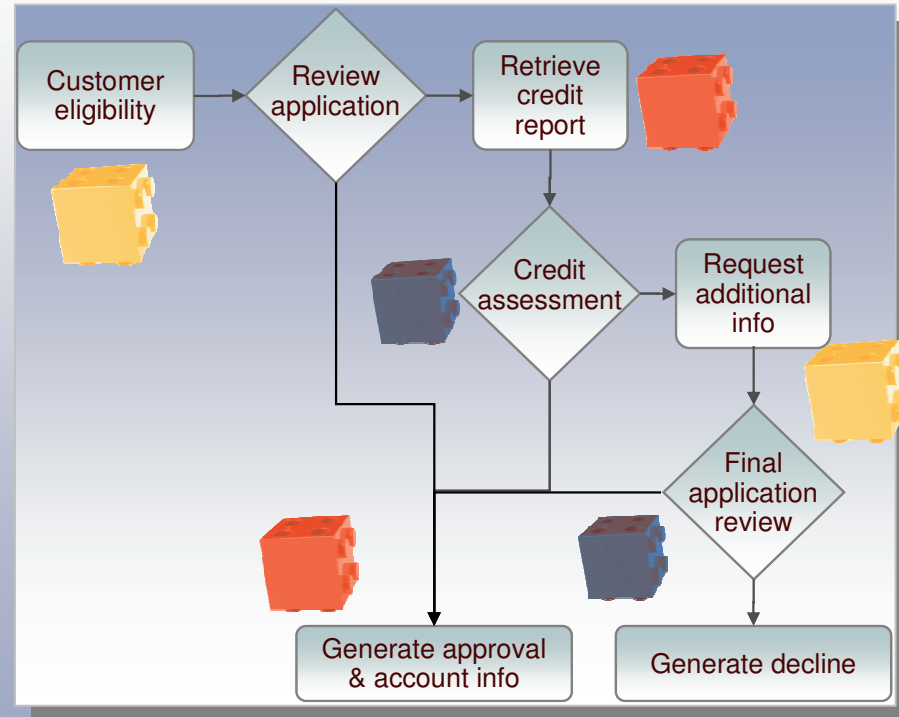
HATS - Web Service



New Application



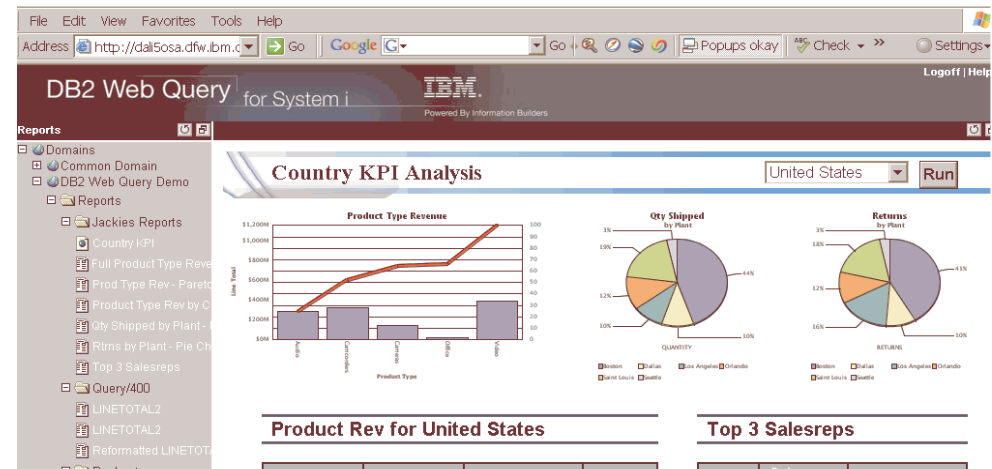
it can be used as building blocks in an Web Services world....



Business Process is implemented by integrating services

IBM DB2 Web Query for System i Powered By Information Builders

- **IBM has delivered a System i web based query and report writing program product that replaces IBM Query for iSeries (Query/400)**
- Free upgrade (Limited Users) – if on SWMA
- New Software Maintenance cost for QU2
 - Base Program Product - 5733-QU2
 - Report Assistant
 - Graph Assistant
 - Power Painter
 - Spreadsheet integration
 - Web-enable Query/400 reports
 - Federated queries (DB2 for i5/OS)
- Requires V5R4
- 3rd Party Ecosystem Developing
 - Databorough – X-WebQuery
 - Rodin - ETL
 - Information Builders



For more details, refer to:
<http://www.ibm.com/systems/i/software/db2/webquery>

Audio	\$284,659,563.00	10883
Cameras	\$139,270,463.00	4468
Office	\$22,538,102.00	2486

Danielson	4,400,101,100
-----------	---------------

From this

5250 Application

Session A - [24 x 80]

File Edit View Communication Actions Window Help

TR0020 Change Policy Todays Date: 7/03/08
 COLEJ Time: 15:47:23

Region 1 Northern
 Policy reference CA-6123-MD

Customer Name. Michael Dyson
 Sex Type M
 Date of Birth. 1/01/1980

Last Quote Date. 25/10/2006
 Policy Start Date. 3/12/2006
 Policy Due Date. 2/12/2007

Policy Type. Car
 Policy Level G GOLD
 New Policy Indicator Y

Premium Value. 700.00
 Policy Excess.
 Voluntary Excess

F3=Exit F12=Cancel F16=Accept

MP a

1902 - Session successfully started Auto HP LaserJet 5

Query/400

Session A - [27 x 132]

File Edit View Communication Actions Window Help

Display Report

Report width 981
 Shift to column

Line	Comp. Code	Region Code	Office Code	Supplier Account Number	Old Account Number	Supplier name	Supplier Address Line 1	Supplier Address Line 2
000001	AB	CD	EF	ASUP002	ASUP001	Ace Suppliers Ltd.	Ace House	1 Ace Street
000002	AB	CD	EF	BBUI001		Briggs Builders Ltd.	12-18 Sutton Street	
000003	AB	CD	EF	BCDM001		Binary Computers Ltd.	Binary House	1 Oxford Street
000004	AB	CD	EF	COUS001		David Test Account	Somewhere	
000005	AB	CD	EF	CSUP001		Cottrell Suppliers Ltd.	Cottrell House	High Street
000006	AB	CD	EF	FRED001		Frederick Bulsara Ltd	23 - 27 Lower Avenue	Oxford
000007	AB	CD	EF	PPAI001		Potter Painters & Sons	Potters House	1 Potter Lane
000008	AB	CD	EF	PPIN001		Painters & Plasterers Incorp.	34 - 36 Shallow Way	Slough
000009	AB	CD	EF	PPLA001		Potters Plasterers & Sons	Potters House	23 Potters Lane
000010	AB	CD	EF	RDEC001		Regan Decorators Ltd	1 Hollow Lane	Enfield
000011	AB	CD	EF	RPRI001		Regan Painters	12 St. Johns Road	Harrow
000012	AB	CD	EF	SBUI001		Smith Builders & Sons	225 Longton Avenue	Loughton
000013	AB	CD	EF	WCOM001		Welling Computers Ltd.	Welling House	23 Mitton Way
000014	AB			XERO002		XEROX (IRELAND) LTD.,	DUBLIN INDUSTRIAL ESTATE,	FINGLAS,
000015	II	II	II	WHS001		W H Smiths	1 High Street	Harrow
000016	II			BOOT001		Boots The Chemist	1 High Street	
000017	II			TIME001		Time Software	11 High Road	

F3=Exit F12=Cancel F19=Left F20=Right F21=Split F22=Width 80

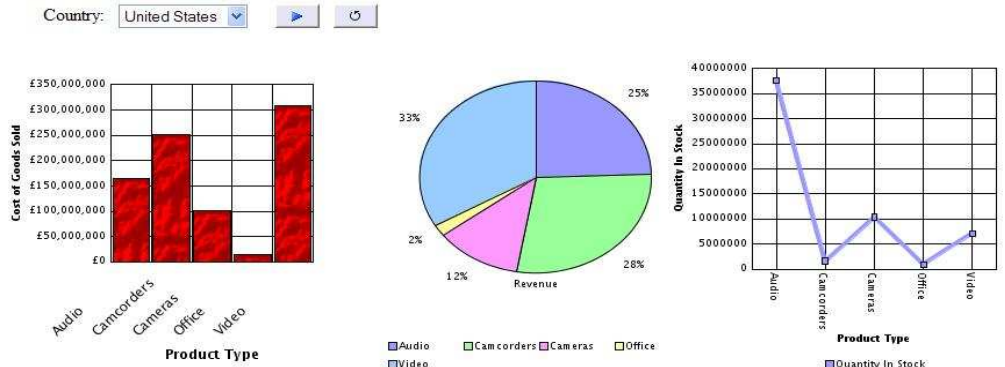
MP a

1902 - Session successfully started 03/032 Auto HP LaserJet 5 on BIN2003 on \\BIN2003\MP5

To this

HATS Application

DB2 Web Query

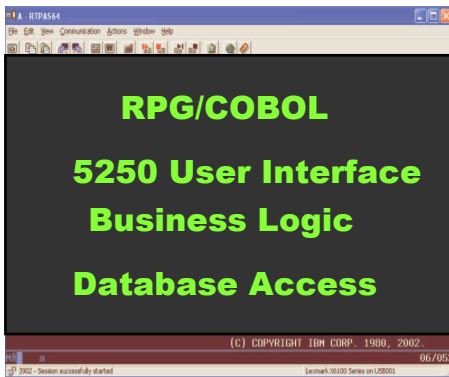


A1 Product Sales								
	A	B	C	D	E	F	G	
1	Product Sales							
2	Prepared On 02/21/08 at 09.11.58							
3	Quarter							
4		Q1	Q2	Q3	Q4			
5		Revenue	Cost of Goods Sold	Revenue	Cost of Goods Sold	Revenue	Cost of Goods Sold	
6	Product Type							
7	Audio	\$101,609,831.00	\$58,235,630.00	\$76,545,082.00	\$44,411,910.00	\$63,106,299.00	\$36,291,750.00	
8	Subtotal For Audio	\$101,609,831.00	\$58,235,630.00	\$76,545,082.00	\$44,411,910.00	\$63,106,299.00	\$36,291,750.00	
9	Camcorders	\$96,556,362.00	\$74,430,330.00	\$98,055,322.00	\$75,478,300.00	\$73,118,720.00	\$56,095,510.00	
10	Subtotal For Camcorders	\$96,556,362.00	\$74,430,330.00	\$98,055,322.00	\$75,478,300.00	\$73,118,720.00	\$56,095,510.00	
11	Cameras	\$43,458,045.00	\$31,509,560.00	\$40,640,688.00	\$29,454,490.00	\$32,785,719.00	\$23,631,410.00	
12	Subtotal For Cameras	\$43,458,045.00	\$31,509,560.00	\$40,640,688.00	\$29,454,490.00	\$32,785,719.00	\$23,631,410.00	
13	Office	\$7,723,818.00	\$4,886,795.00	\$6,057,599.00	\$3,798,265.00	\$5,088,505.00	\$3,230,160.00	
14	Subtotal For Office	\$7,723,818.00	\$4,886,795.00	\$6,057,599.00	\$3,798,265.00	\$5,088,505.00	\$3,230,160.00	



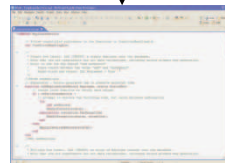
Leverage Existing Applications with HATS and RBD

Existing Programs

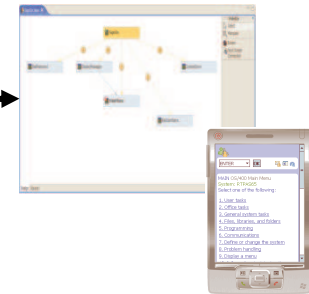


**HATS for
5250 Applications
WDHT**

**Web
Service**



EGL



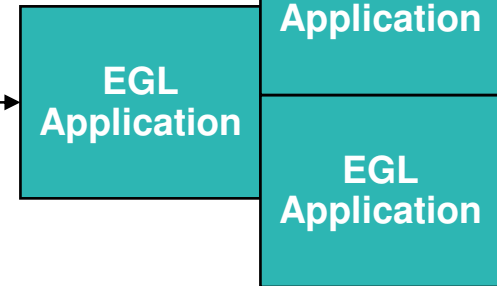
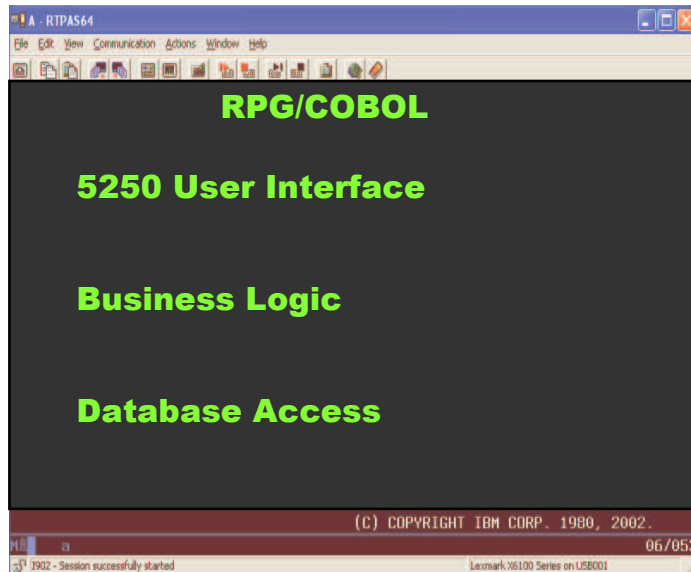
**Web Services
Modern Applications
Document Printing
much more...**

- *Leverage existing 5250 applications with HATS (including 3rd party ISV applications).*
- *Generate Web Services from HATS and consume them in custom Web 2.0 applications using EGL.*



Modernize your Application through Transformation

Monolithic Programs



EGL

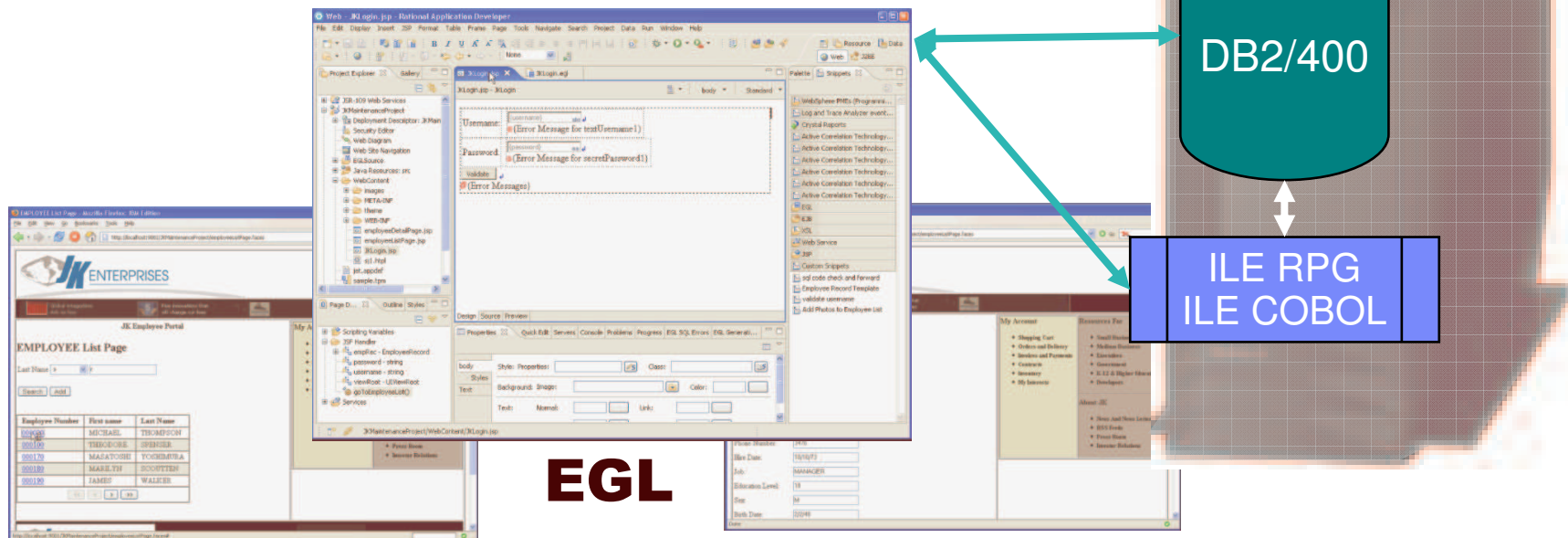
- *Eliminate Skills silos – allowing IT to freely shift resources across projects according to business priorities*
- *Create applications that are not locked into a specific computing environment*



Modernization with IBM's Enterprise Generation Language (EGL)

- **Leverage existing core business applications**
- **Business Developers who know existing business application can quickly learn and master the skills to deliver modern UI and extend use of application**
- **Begin move to services based architecture**
- **Platform Independence**
- **Learning curve can be mastered by existing RPG staff easily**
- **Language design supports migration of RPG with excellent maintainability**
- **IBM Rational Migration Extension for IBM i – Migrating RPG code to EGL**

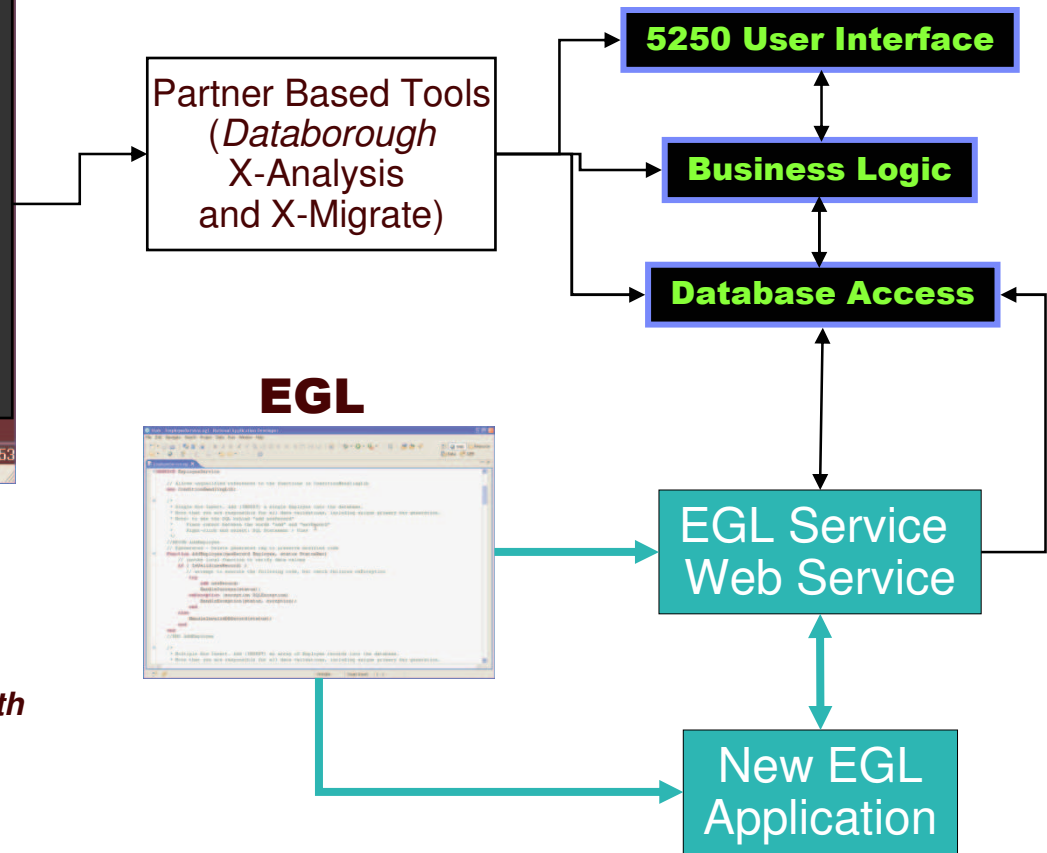
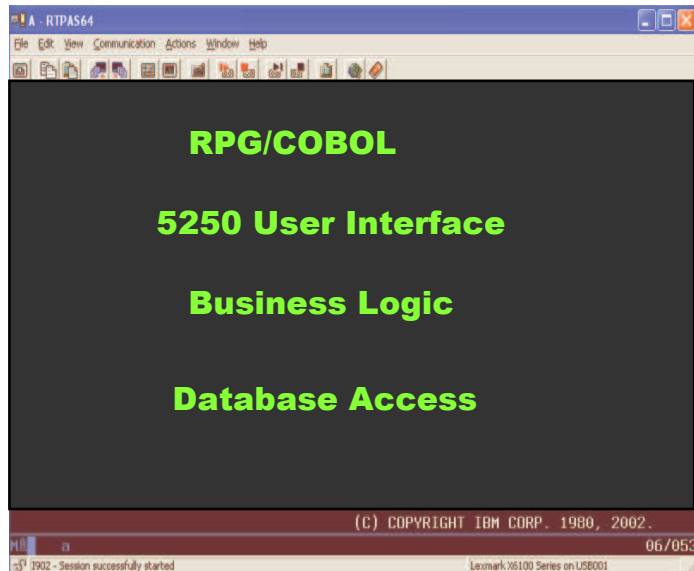
Rapid Web & Rich Client UI Enablement





Modernize your architecture through refactoring

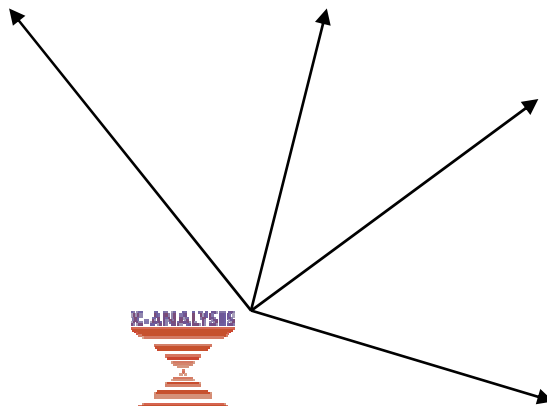
Monolithic Programs



- **Application Rationalization**
- **Create reusable components or services**
- **Fast delivery of new business solutions with available resources**
- **Significantly simplify maintenance, lower error rates, higher quality**
- **Remove barriers to move to SOA**

System i Design Recovery Using X-Analysis

www.daborough.com



- **Application Understanding**
 - ▶ Drill Down Structure Charts,
 - ▶ Data Flow Charts
 - ▶ Overview System Diagrams
 - ▶ RPG as Pseudo Code

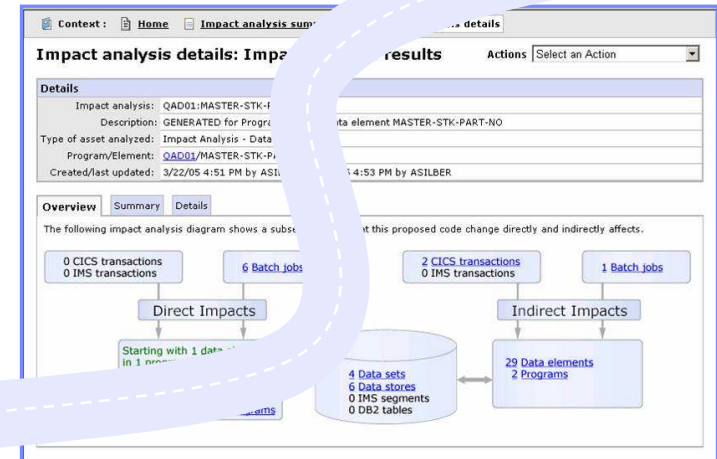
- **Modern Perspectives**
 - ▶ Derived Relational Data Model
 - ▶ Business Rules Logic Extraction
 - ▶ Screen to Screen flow with Activity and Use Case, Diagrams

- **Re-Factored Proto-Types**
 - ▶ JSF
 - ▶ Java Controllers
 - ▶ Business Logic Web Services

Modernize Your Asset Management

Discover, understand, and leverage existing applications & services

- Understand and analyze the impact of change across heterogeneous enterprise applications using **Databorough's X-Analysis**
- Manage assets across their lifecycle from design and creation to consumption and change with **Rational Asset Manager (RAM)**
- Deploy and manage runtime services using **WebSphere Service Registry & Repository (WSRR)**



Downloads

Rank: 40 out of 243

Total downloads: 1

Average for this asset type: 2.35

Unique downloads: 1

Artifact browses: 0

Search for Assets

Search for: Tester

130 assets found

Name	Version	State	Teamspace	Last modified	Relevance
testCreateWithRAMConnection.asset	1159491744676	Approved	RAM Group	Sep 28, 2006	
testCreateWithRAMConnection.asset	1159491744676	Approved	RAM Group	Sep 28, 2006	
TestDownload	1.0	Review	Delta Project Team	Oct 4, 2006	
TestDownload	1.0	Review	Delta Project Team	Oct 4, 2006	
Tester	1.0.1.2	Approved	Insurance LOB Testers	Oct 10, 2006	

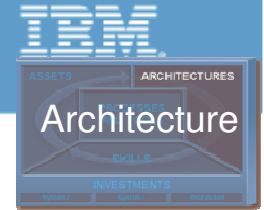
Tester

General details | Content | Rate and discuss | Subsets

Asset information: Name: Tester [Download Now!]

My rating: ★★★★★

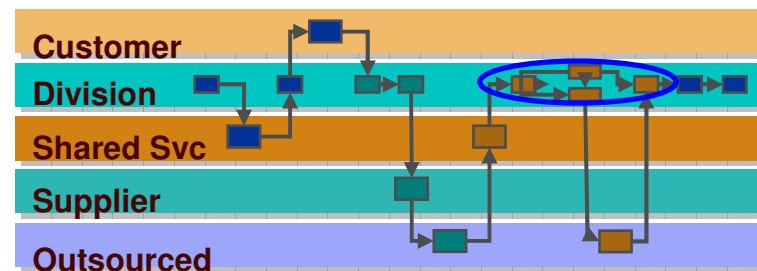
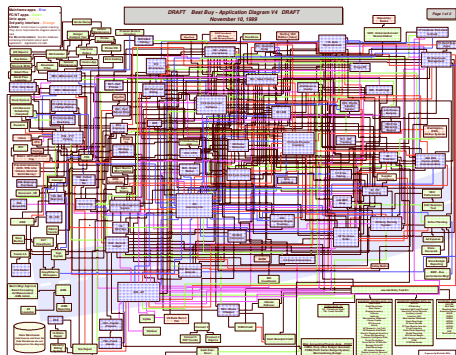
Average rating: ★★★★★ (1 rating)

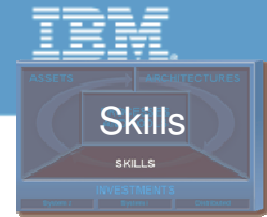


Modernize Your Architectures

Develop new SOA applications rapidly

- Transform green screen applications to web UIs and/or web services using **Host Access Transformation Services (HATS) for 5250 Applications**
 - ▶ Quickest ROI – get to the web fast!
 - ▶ Generate web services directly from 5250 applications
- Create web services from RPG, COBOL CL, and Java with Web Services wizards using **Rational Developer for System i for SOA Construction (RDi for SOA)**
 - ▶ Create web services wrappers for RPG and COBOL programs
- Rapidly build, publish, and consume web services using **Enterprise Generation Language (EGL), included in RDi SOA**
 - ▶ Leverage *Service* and *Interface* keywords to re-enforce SOA development principles
 - ▶ Supports i5/OS and J2EE



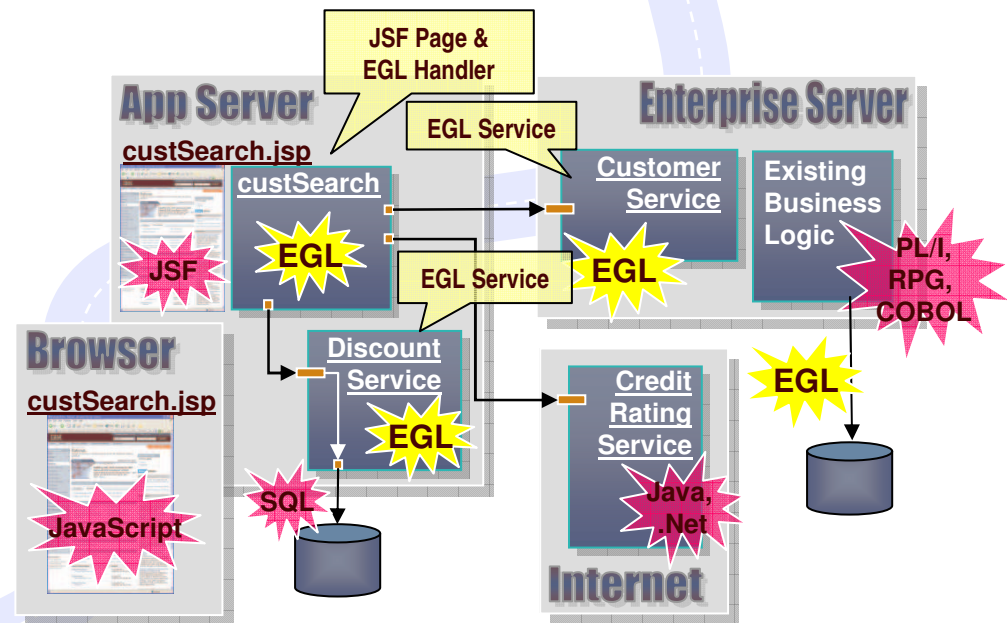


Modernize Your Skills

Powerful tools & abstractions for multi-platform development

- Exploit advances in middleware and technology while writing business applications using **Enterprise Generation Language (EGL)** support in **Rational Business Developer extension (RBDe)**

- Build all elements of leading applications .. “end-to-end” from Web 2.0 to services to batch processes
- Eliminate skill islands – EGL developers are able to develop applications for most platforms: i5/OS, CICS, IMS, z/OS Batch, WAS, Linux, Windows, AIX, HP-UX, Solaris



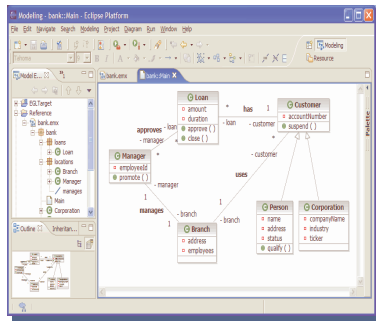
“Lack of skilled development resources” is the greatest inhibitor to implementing Web Services.

Evans Data Corp., 2007, “Web Services Development Survey, Vol. I”

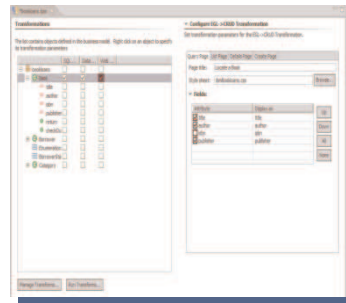
The power of tools: Model Transformations

A new generation of Architected Rapid Application Development

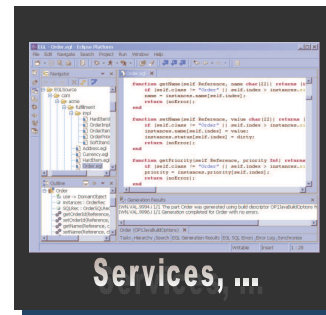
- ▶ Transform UML models to RBD
- ▶ Best way to go...



1. Model



2. Define Transformation Parameters and additional



3. Transform to RBD code

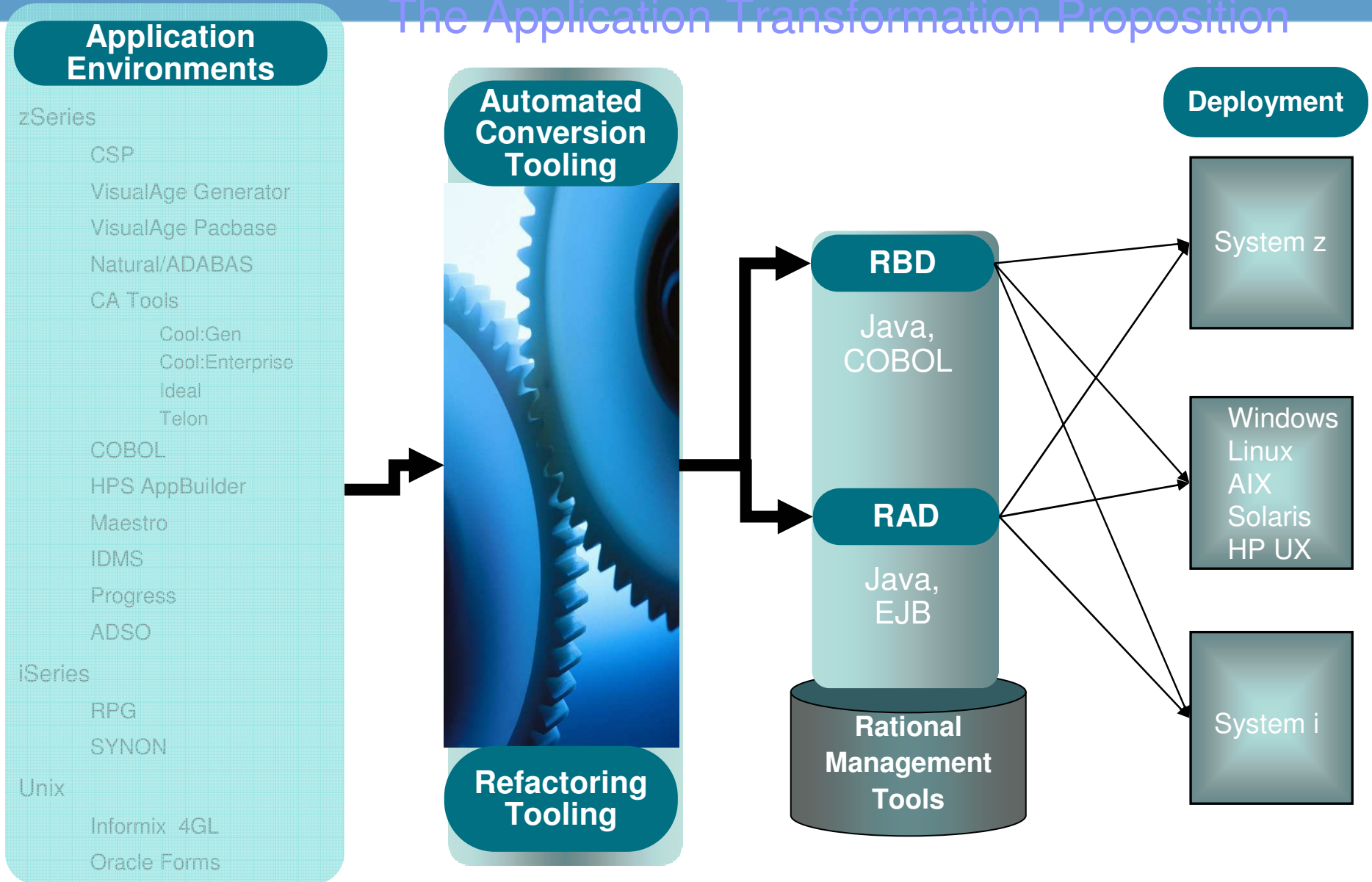


4. Deploy to platform (z, i, or distributed)



- Traceability from requirements to code
- Create your own transformations
- Transformations enriched by Business Rule Annotation and Transformation Parameters

The Application Transformation Proposition



Windows/.net

Get started with the System i Sandbox

System i Sandbox

Examples and best practices provide low-risk, practical, hands-on path to understanding

www.ibm.com/rational/modernization



Full version software trials
'Try online' hosted System i environments
Tutorials
Architectural Guidance



Enterprise Modernization - The Road Ahead

Each customer needs a unique modernization strategy based on:

- Your business requirements

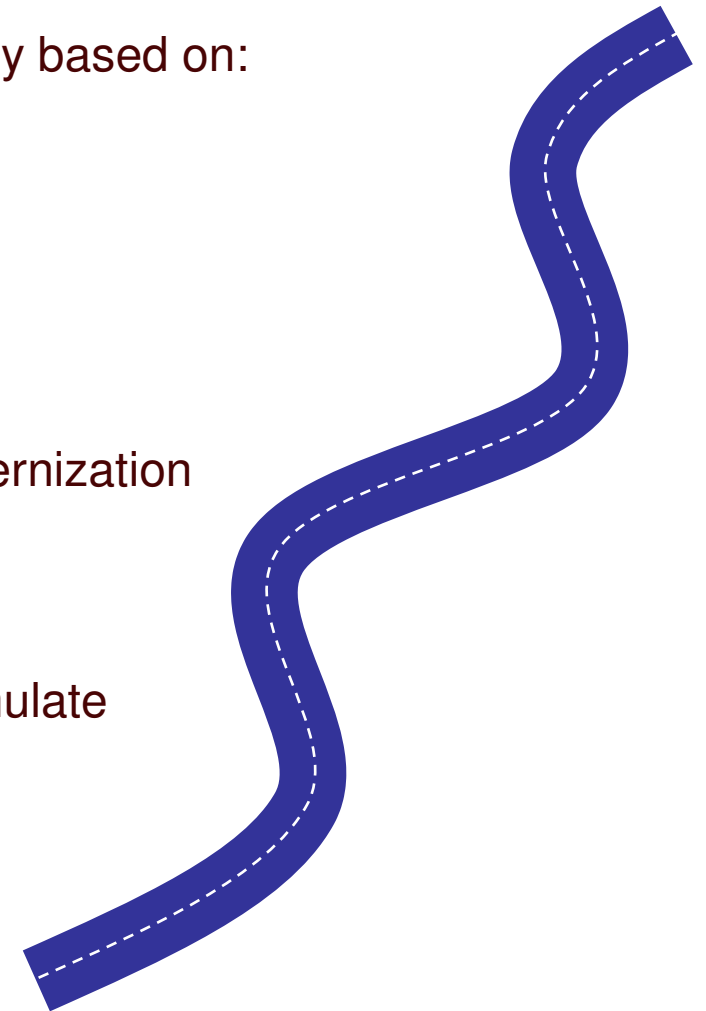
- Your budget

- Your staffing constraints

Choose one or more of the options to build your modernization strategy.

Rational and our business partners can help you formulate your own customized strategy for modernization

Let's look together at our solutions ...





Learn more at:

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