



Power Development Rational, Jazz and Agile

Thursday 11th February, 2010

Matthew Scullion

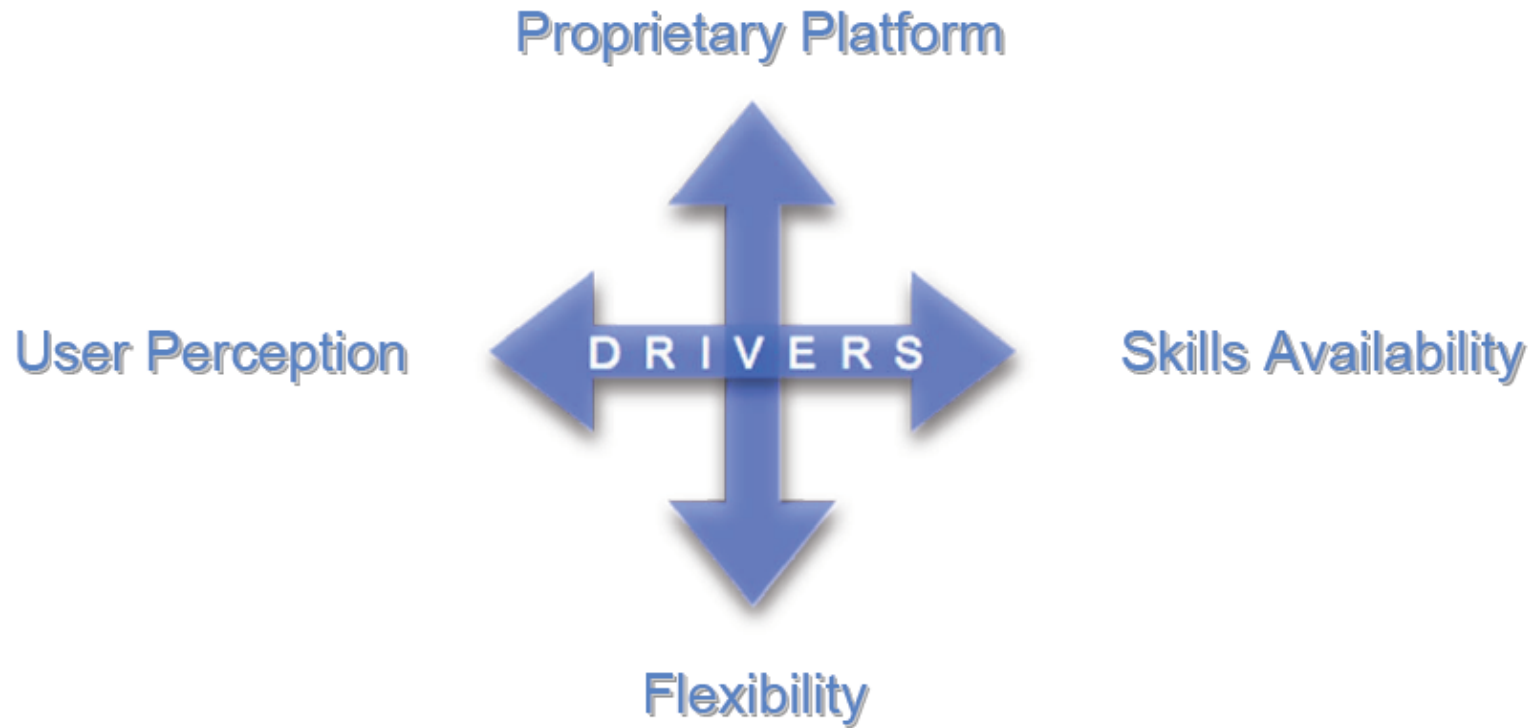


Agenda

1. Why do we want be more productive?
2. Challenges in adopting new development tools
3. The IBM Power Developer Roadmap
4. Using RDI for Traditional Development
5. Java and EGL – RPG/Cobol Replacements
6. Using HATS to deliver rapid impact
7. Why process is essential and how Rational Team Concert has changed the game
8. Managing the old and the new – Middleware and SOA
9. Summary and Q&A



Why do we want to be more productive?



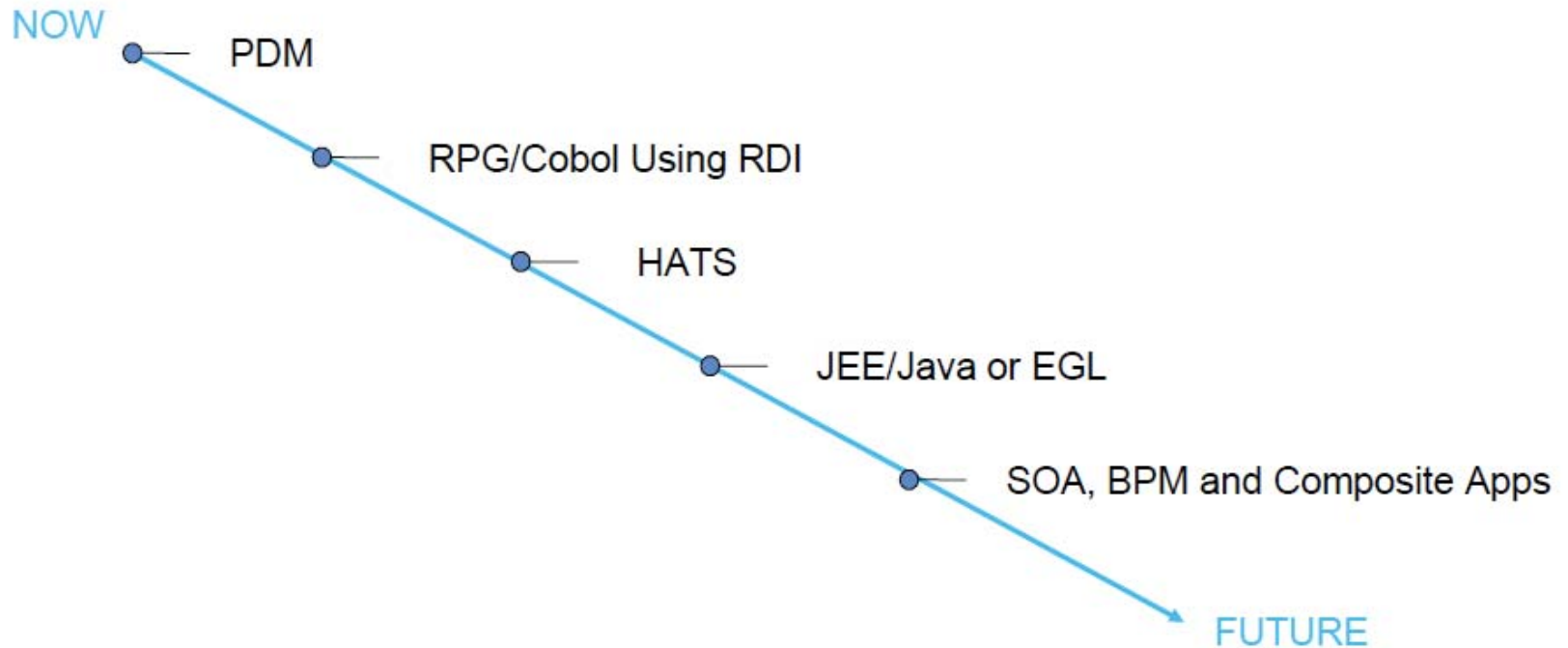


Challenges in adopting new development tools





The IBM Power Developer Roadmap





Using RDI for Traditional Development

- Eclipse based traditional development
- Easy to adopt, no strategic change
- Importantly – allows use of common development process and SCM tooling
- Gets developers “used to” Eclipse client

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0052.00  C*****
0053.00  C* Mainline Code
0054.00  C*****
0055.00  C* Retrieve record
0056.00  C      cussno      chain(e)      rcusf
0057.00  C                      if      not \found(cusf13)
0058.00  C                      eval      *inlr = *on
0059.00  C                      return
0060.00  C                      endif
0061.00  C
0062.00  C* Set screen values
0063.00  C      exar      writesn
0064.00  C      eval      imessage='Please make required changes.'
0065.00  C
0066.00  C* Until Exit/Cancel
0067.00  C      dow      not *in03
0068.00  C                      and not *in12
0069.00  C
0070.00  C* Display screen
0071.00  C      exfmt(e)      zstf01
0072.00  C
0073.00  C* If Exit/Cancel
0074.00  C      if      *in03
0075.00  C                      or *in12
0076.00  C      leave
0077.00  C      endif
0078.00  C
0079.00  C* Other Command Keys
0080.00  C      select
0081.00  C      when      *in08
0082.00  C      callp(e)      wvcoons(cussno)
0083.00  C      iter
0084.00  C      when      *in09
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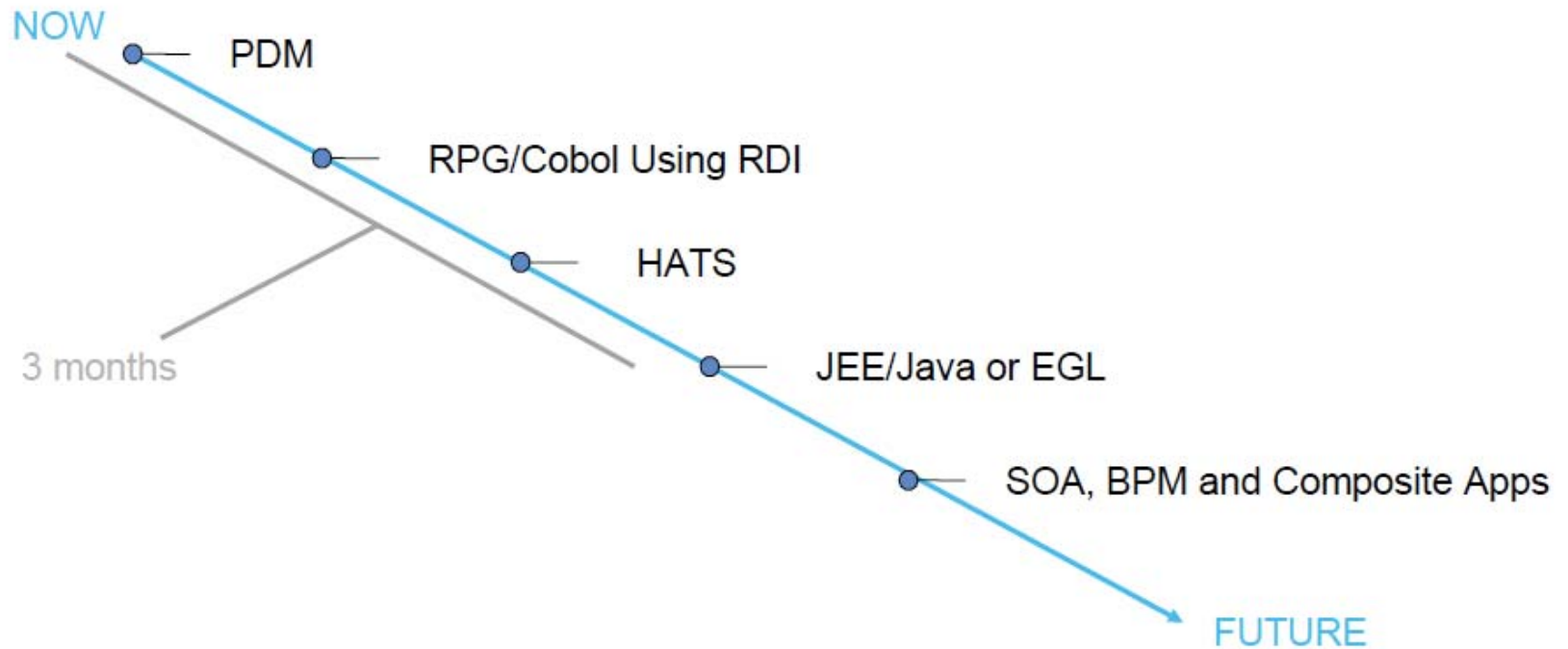
Java and EGL – RPG/Cobol Replacements

- JEE is the world's number 1 development platform
- You can use it to build everything from your web site to entire line of business systems
- Java development is easier to learn than you think – average 3 months adoption time for a team of 6 RPG developers
- Class leading development tools from Rational make development easier and more productive
- RPG can use Java and Java can use RPG

- EGL offers a 4GL and code conversion alternative
- Output is Java code and EGL can be extended with Java
- Can be used as a migration kick-start or a development language



The IBM Power Developer Roadmap





Java and EGL – RPG/Cobol Replacements

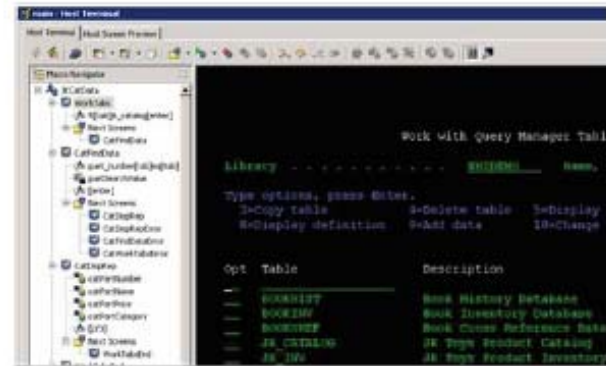
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Using HATS to deliver rapid impact

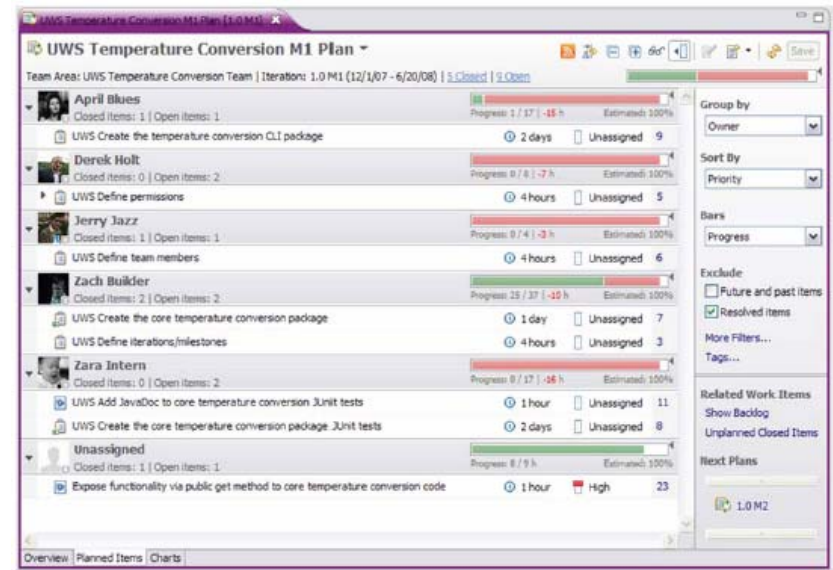
- HATS is a strategically sound “scrapers” style product
- Works at the 5250 layer – no program awareness
- Can streamline business processes – merging screens, cutting out steps
- Because of the way it works – you can deliver results very quickly
- Buys you time while you modernise underlying language
- Can be used to deliver web services for SOA integration





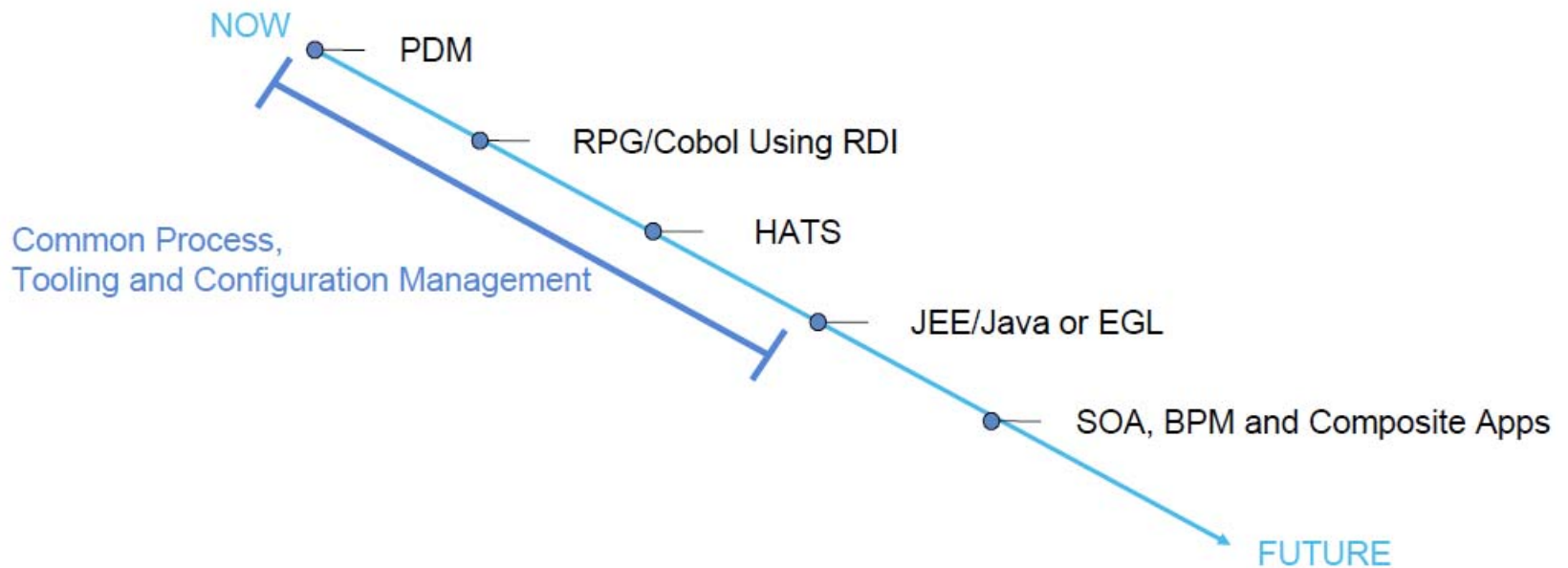
Why process is essential and how Rational Team Concert has changed the game

- Governance is key to maintain control of integrations
- Single process to control
 - Requirements
 - Design
 - Configuration Management
 - Testing
- Benefits of Process Improvement delivered as by-product
- RTC and RTC for i are ideal control platform





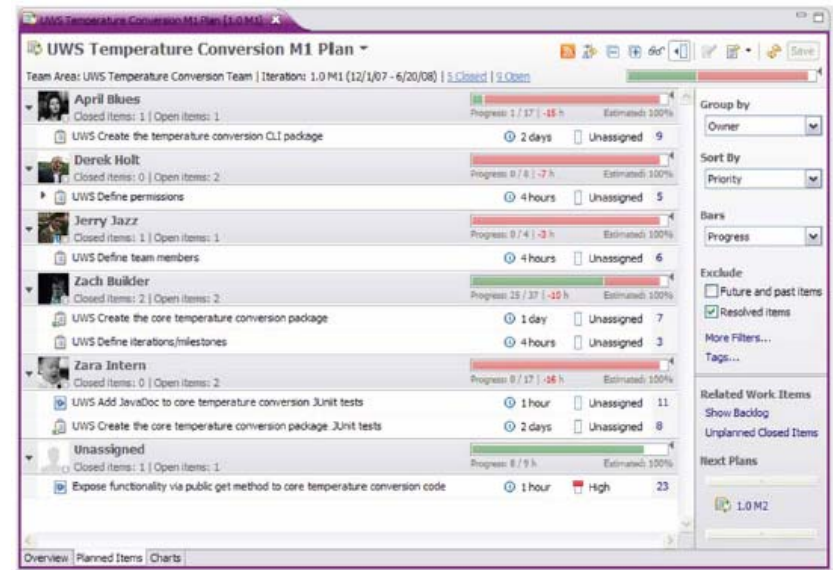
The IBM Power Developer Roadmap





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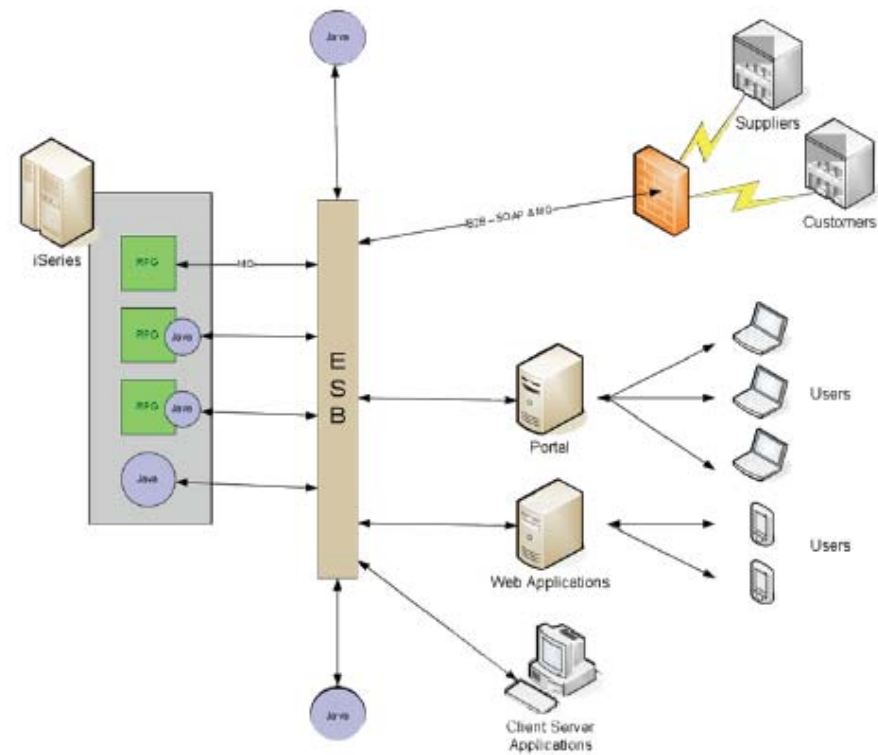
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Managing the old and the new – Middleware and SOA

- Integration “Hub”
- Choreographs services between applications
- Transform, Translate, Validate, Log
- In Power Modernisation, it’s your “control centre” between the old world and the new
- WebSphere ESB and WebSphere Message Broker provide suitable platforms





Summary

- RDI introduces you to Eclipse based development and governance opportunities
- Java and Rational development tooling provide the world class development platform, productive tools and a proven adoption strategy
- EGL and HATS provide alternatives and a potential migration kick-start
- Rational Team Concert for I provides the way to manage development across traditional world's and new
- IBM WebSphere software provides the way to manage the run time environment between traditional world and new
- **IBM, Rational and Imtech ICT are there to help you adopt faster, more flexible development technology for your Power System**

“One Stop”

In-a-box RTC and
Agile enablement
Package from
Imtech ICT

£24k