

Integrating RTC Enterprise with ChangeMan Package Management and Build

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August 7, 2014 Room 315

















Then and Now

Then

- Process driven
- Proven technology
- Substantial financial investment
- Relatively stable and bug free

Now

- Agile Software Development Methodology
- Traceability
- Modern devices, Android/iPad
- Web 2.0









Bridging the Gap

- Two mainframe Developers united by IBM Rational Software
- They are the Now
- What are the Challenges?
- Cultural Differences
- Technology Driven vs. Process Driven





Getting There

- Rational Software is the entry point
- A way for the "new" to play with the old
- A way for the "old" to play with the new
- Comprehensive adoption plan
- Business investment





RTC/RDz - What are they?





Case Study: Worldwide rollout of RTC at a Large Financial Institution





Why

From...

 Limited transparency into resource usage, quality and project delivery

- Non-integrated development toolset, requiring developers to jump between tools
- Relatively rigid waterfall approach to developing software
- Limited adoption of modern development practices, such as Continuous Integration

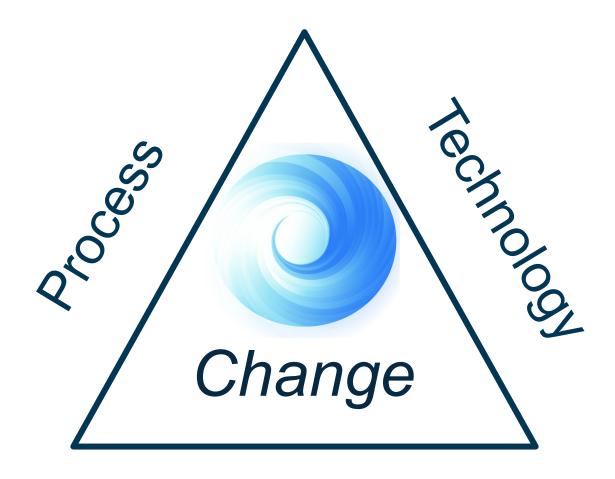
To...

- Improved management, visibility, and quality assurance of projects and teams (including offshore resources), with better estimating, tracking, and reporting
- Integrated toolset through single window interface across functional areas (build, test, defect management)
- Support for Agile and hybrid SDLC methodologies in addition to traditional approaches
- Deployment of continuous integration capabilities





How



People

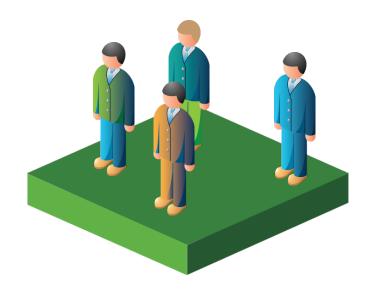




Picking the Team

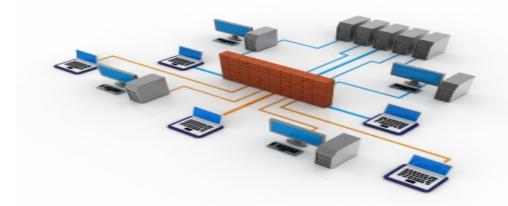
- Executive Sponsorship
- Project Management
- Development Team





Infrastructure Team

Modern, distributed tooling requires a range of skills and expertise to install, configure and optimize software

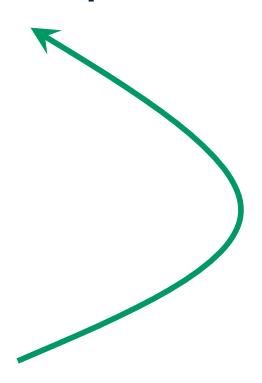






Tooling and Process Adoption

- Pick a Team
 They serve as evangelists moving forward
- ... And a Project
 Manageable yet strategic to the business
- Identify Goals
 Need to measure success
- Deploy the Solution
 Use it in production
- Capture Best Practices
 What worked, what didn't, reuse







Repeat



From RTC to Existing Build and Deploy System

Manual Integration via Custom RTC Extension



Automated Integration (REXX and CMAN XML APIs)



What's Next?





Manual Integration via Custom RTC Extension

Developer Manually Stages into CMAN









Translator

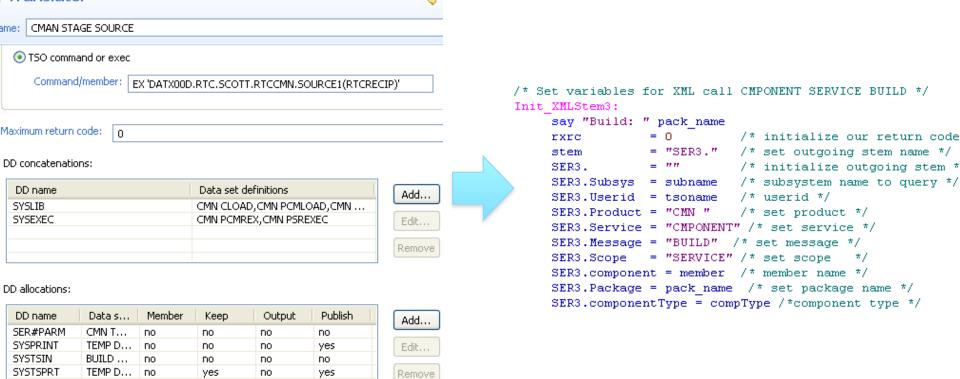
SERPRINT

SYSABEND

TEMP D... no

BUILD ...

Automated Integration (REXX and CMAN XML APIs) No Developer Impact





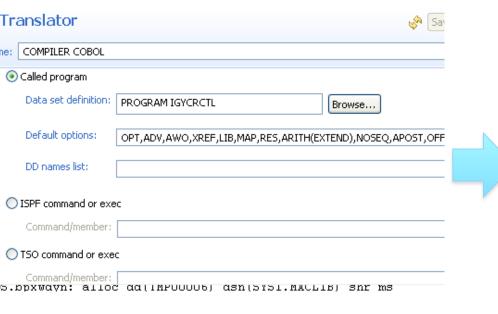
no

yes

ΠO



What's Next? Native RTC Build/Compile



Updated: COBOL BATCH: DATXOOD.RTCPOC.REWANT.SOURCE(BST Processing DATXOOD.RTCPOC.REWANT.SOURCE(BRWBPADB)... ZOS.bpxwdyn: alloc dd(SER#PARM) dsn(IOCPOOP.CM.PROD.TCP ZOS.bpxwdyn: alloc dd(SYSPRINT) cyl space(5,5) unit(VIO ZOS.bpxwdyn: alloc dd(SYSUDUMP) cyl space(5,5) unit(VIO ZOS.bpxwdyn: alloc dd(SYSIN) dsn(NULLFILE) cyl space(5, ZOS.bpxwdyn: alloc dd(SYSIFILE) dsn(DATXOOD.RTCPOC.REWA ZOS.bpxwdyn: alloc dd(SYSOFILE) dsn(DATXOOD.RTCPOC.REWA ZOS.bpxwdyn: alloc dd(ABNLIGNR) dsn(NULLFILE) cyl space ZOS.bpxwdyn: alloc dd(SYSUT3) dsn(DATXOOD.RTCPOC.REWANT ZOS.bpxwdyn: alloc dd(SYSLIB) dsn(IOCPOOP.PB.PROD.COPYL ZOS.bpxwdyn: alloc dd(TMPOOOO1) dsn(IOCPOOP.PB.PROD.COP ZOS.bpxwdyn: alloc dd(TMPOOOO2) dsn(DATXOOD.RTCPOC.REWA ZOS.bpxwdyn: alloc dd(TMPOOOO3) dsn(DATXOOD.RTCPOC.REWA ZOS.bpxwdyn: alloc dd(TMP00004) dsn(SYS1.SCSQCOBC) shr ZOS.bpxwdyn: alloc dd(TMP00005) dsn(SYS1.SEZACMAC) shr ZOS.bpxwdyn: alloc dd(TMP00006) dsn(SYS1.MACLIB) shr ms





RTC – Compiling and Integrating





Questions





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