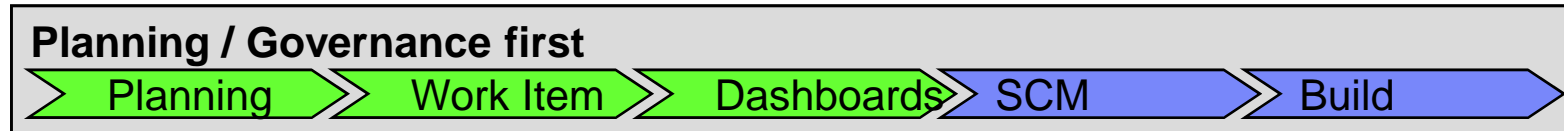# Unifying mainframe and distributed development environments: Customer case studies

Rosalind Radcliffe, Distinguished Engineer
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Incremental RTC Adoption Pattern – Planning / Change Management

Planning / Governance first

> Planning >> Work Item >> Dashboards >> SCM >> Build >

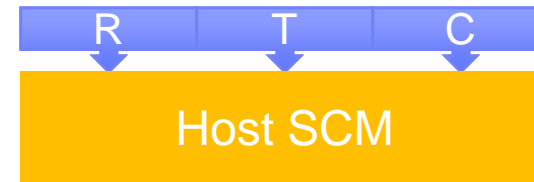- Many of our customers are using RTC to address task coordination/planning

- A Major Insurance company has 500 agile planners who use RTC to plan and collaborate their daily plans, iterations and teams. They don't care what scm or build tools their teams use. But they wanted a platform to encourage collaboration and transparency and consistency (process).

- Major Electronics Co.– Uses Rational Team Concert for 400 globally distributed developers to coordinate (plan) and collaborate (communicate) and encourage re-use of common components (using team structure)
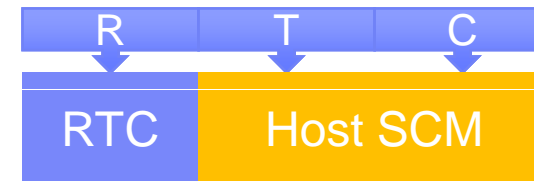
RTC Co-existence with Host SCM

First Level continue to use all functions of Host SCM

- Use RTC Work items, Planning, Dashboard
- Continue to use Host SCM for SCM, Build, and Deploy
- Control the flow with RTC work items

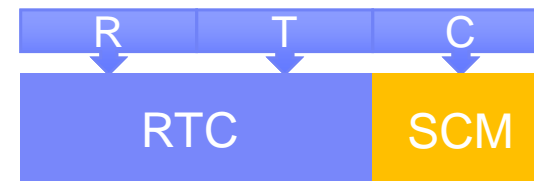| R	T	C
Host SCM		

Second Level Use Host SCM for Build and Deployment

- RTC Builds for the Developer only
- Source code for Developers is stored in RTC
- Source is moved to Host SCM for production build and deployment

R	T	C
RTC	Host SCM	

Third Level Use Host SCM only for Deploy
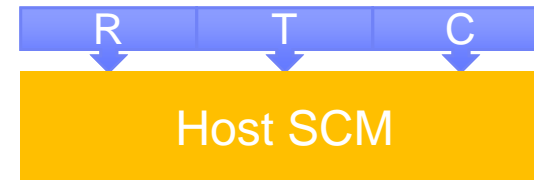
- All Builds are now performed in RTC
- All source code is in RTC only
- Packages are transferred to Host SCM for deployment

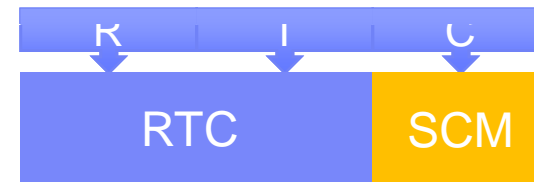| R	T	C
RTC		SCM

RTC Replacement of Host SCM

Stage 1 Deploy Planning and Change Management first

- Use RTC Work items, Planning and Dashboards
- Continue to use Host SCM for SCM, Build, and Deploy
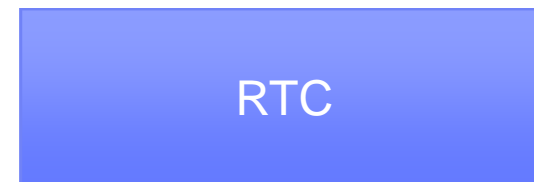- Integrate by controlling Host SCM with work items

R	T	C

Host SCM

Stage 2 (Optional) Retain Host SCM for Deployment

- All Builds are now performed in RTC
- Packages are deployed to Host SCM to do actual Deployment

R	T	C

RTC | **SCM**
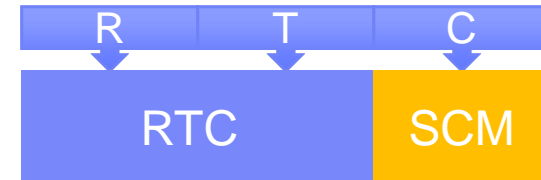
Stage 3 Full Replacement

- All processes now controlled by RTC
- Single ALM tool for all platforms

RTC

RTC Replacement of Host SCM

Customer 1: Replace Mainframe SCM

- No standardization between development groups
- No standardization between host SCM instances
- RTC implemented to standardize development
- 250,000 artifacts migrated into RTC in 2013
- Full conversion off host SCM now in progress

R	T	C
RTC		SCM

Customer 2: Replace Mainframe SCM

- Largest mainframe application exceeded physical DASD
- Too costly to reengineer current SCM
- Current SCM was mainframe only. Need an enterprise solution
- Phase 1, migrated small applications into RTC
- Phase 1b, migrated 287,000 files into RTC. Implement RRMac Crosswire
- Phase 2 will migrate remaining 250,000 artifacts
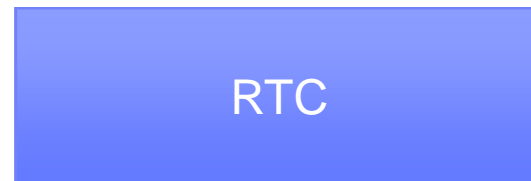
RTC

RTC Replacement of Host SCM

Customer 3: Replace Mainframe Repository and
    Distributed SCM

- Manual change management on the mainframe
- Host repository a closed architecture and old
- Concurrent development out of control
- Frequent overlays of code.
- RTC implemented to standardize development
- Enterprise solution

RTC

Customer 4: Replace Mainframe SCM

- Current maintenance costs high
- Total replacement of existing tools with IBM
  technology
- Currently multiple products to perform change
  management
- Enterprise solution
- Distributed SCM in next phase.

RTC

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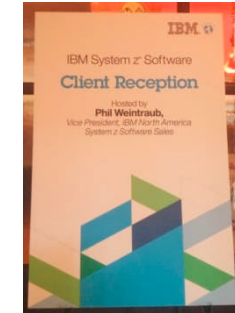
24 📍

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6

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  .

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