



Managing Change at the Speed of Business

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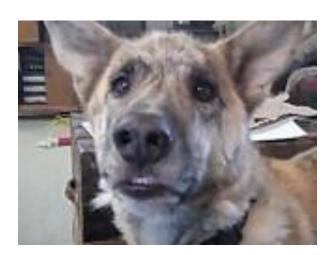
March 14, 2012

10926: Customer Experience - Creating One Change Management Solution for all Platforms - Mainframe to Windows



Before we get too serious

Talking Dog







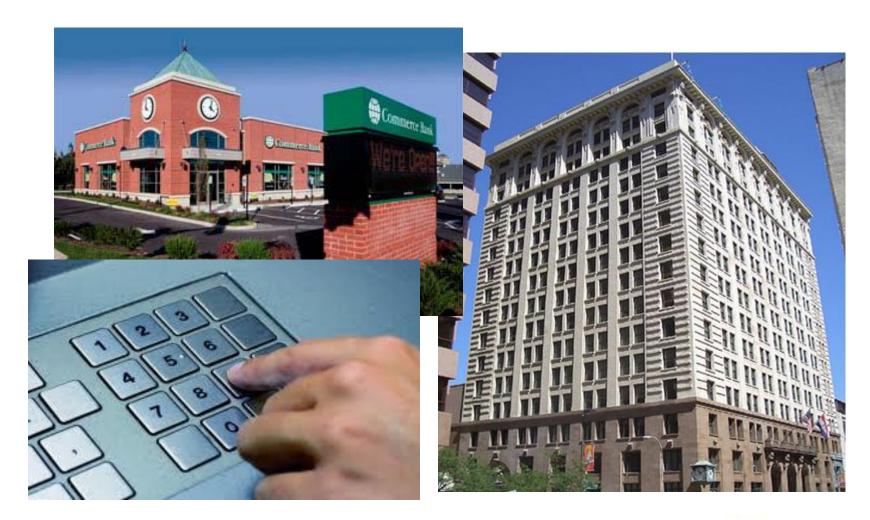
Agenda

- Introductions
- Why ISPW?
- Background Information
- Converting to ISPW
- Code Development and Deployment
- Future of Distributed
- Developer Feedback (What they Think)





Commerce Bank







Why ISPW?



One Vendor

One System to Learn

One System to Support

One System to Train





Why ISPW?

Windows AIX Linux HP/UX Sun Solaris



All Mainframe No MIPS

Automatically Mirrored
Stable Proven Environment

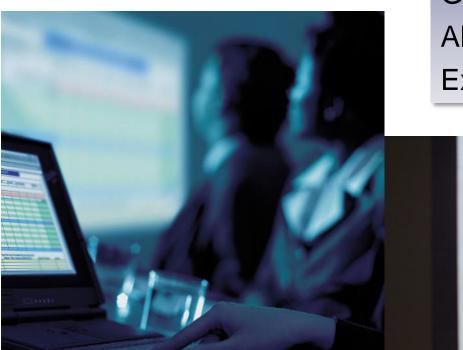








Why ISPW?



Great Presentations
All Questions Answered
Excellent References





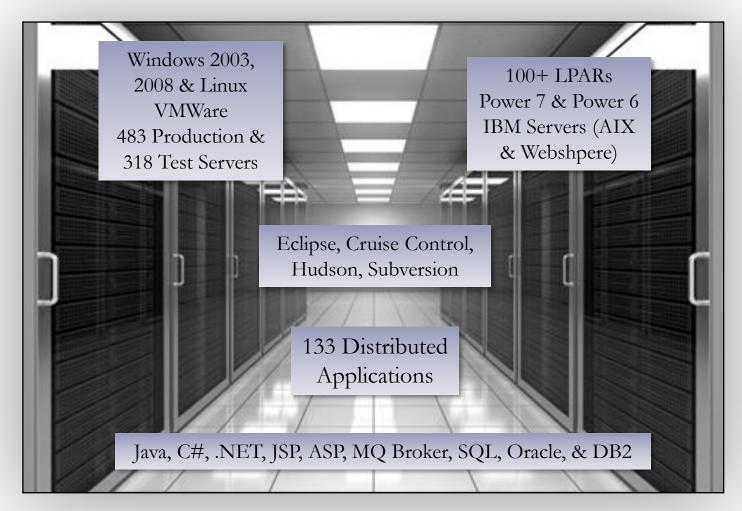
Mainframe Environment







Distributed Environment







Two Choices?

- Gather Requirements
- Don't Assume Current System is Meeting all Requirements
- Question Status Quo (Revisit Processes)

Project Management



Shotgun Approach

- Don't try to do all Customization Up Front
- Convert Small Subset of Applications
- Use Phased Approach
- Break into Logical Groups Based on Requirements





Two More Choices?

ISPW



Source Code Control

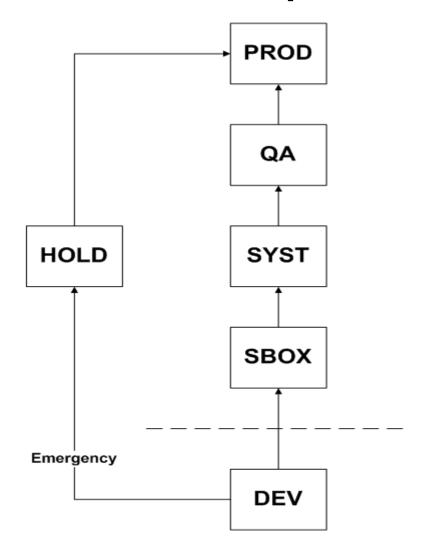
Subversion

- CollabNet Subversion
- Redhat Enterprise 5 (Linux)
- Access Controlled by AD Groups
- Partitioned by Application
- Each application has a Non-secured and Secured Repository





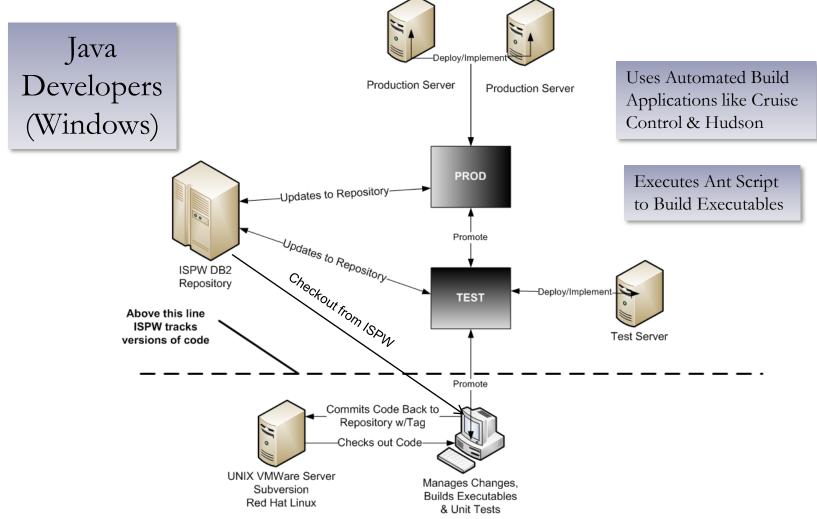
Standard Mainframe Development Cycle







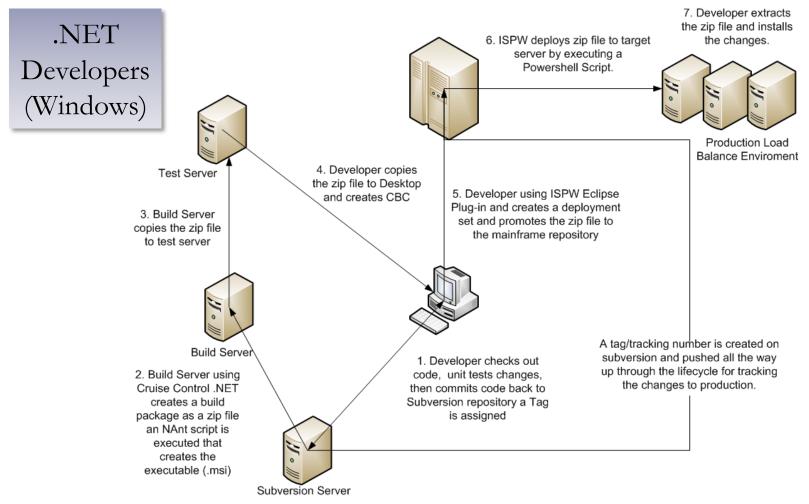
Standard Distributed Development Cycle







Distributed Development Cycle







Distributed Development Cycle

MQ Development Cycle



Production LPAR Cluster 6. Developer creates CBC with BAR file in an attached set. ISPW deploys BAR file to each LPAR in the Production LPAR Cluster, and a Korne Shell script that calls an Ant script that executes on each LPAR to deploy the BAR file with MQ Broker.



Test LPAR

Developer using ISPW deploys the BAR file to TEST LPAR and a script is executed to deploy the BAR file with MQ Broker



MQ Staging Server

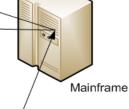
 A Subversion Command Line Script moves the latest repository changes to a staging server Developer builds BAR file from Source Code on Staging Server and copies it to their Desktop





Subversion Server

 Developer checks out code, unit tests changes, then commits code back to Subversion repository where a Tag number is assigned



4. Developer using ISPW Eclipse Plug-in and promotes the BAR file to the mainframe repository



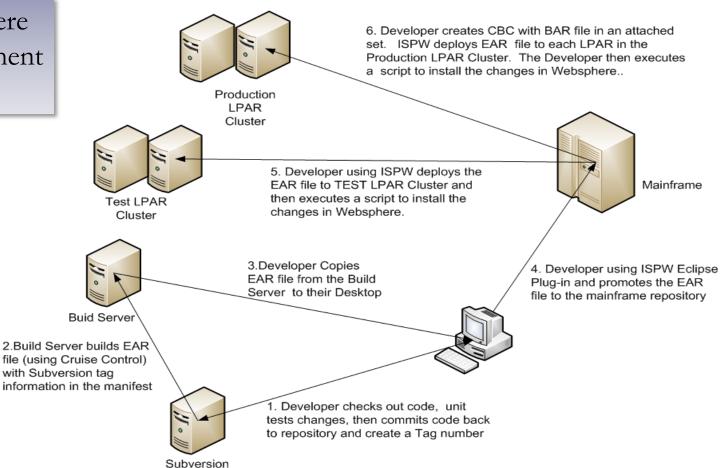




Distributed Development Cycle

Server

Websphere
Development
Cycle





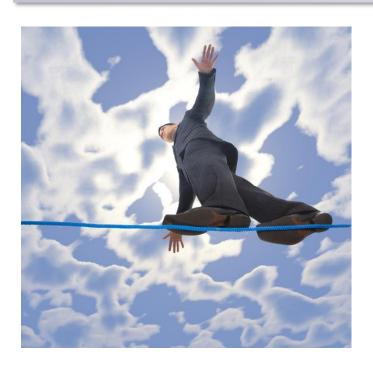


Agile Change Control

Change Happens Rapidly at Commerce

Over 45,000+ Changes since 2005

Changes are Read, Approved, and Implemented Daily









Read and Approve Changes

Change Control Console

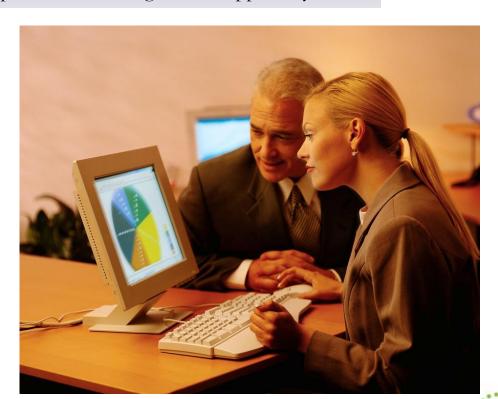
- ISPW supplied a DLL to Return Set Information to ISPW
- Created a COM+ Application to Manage DLL Supplied by ISPW

Creates

- Accountability
- Visibility

Business

- Reliability
- Stability



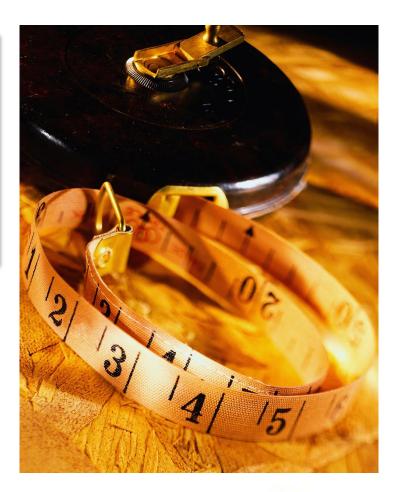




What Metrics?

Measurements Drive Behavior

- Number of Changes
- Number of Incidents
- Number of Emergency Changes
- Number of Unsuccessful Changes
- MTTR
- Problem Analysis







What's Next?

ISPW creating a Command Line Interface

- Replace the manual copy of the executable from the build server to desktop with a menu driven script in Cruise Control
- Script will ask for inputs to:
 - Create a Container
 - Import the executable
 - Promote the executable
 - Create a deployment set
 - Create the CBC record with the deployment set attached.

Unix Base Environments

- New Remote Server Able to Modify Permissions on Files and Directories
- Execute Scripts as a Specified User





Developer Feedback





Questions?







APPENDIX

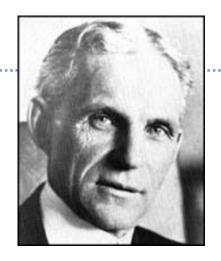






Do you want

more success, more often, with less effort at lower cost?

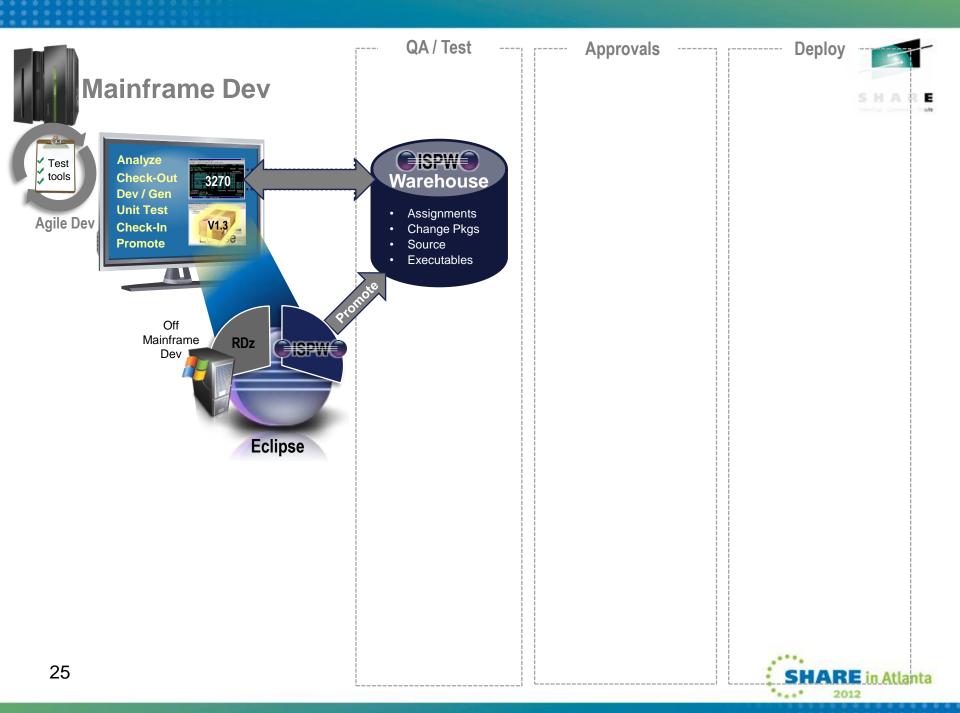


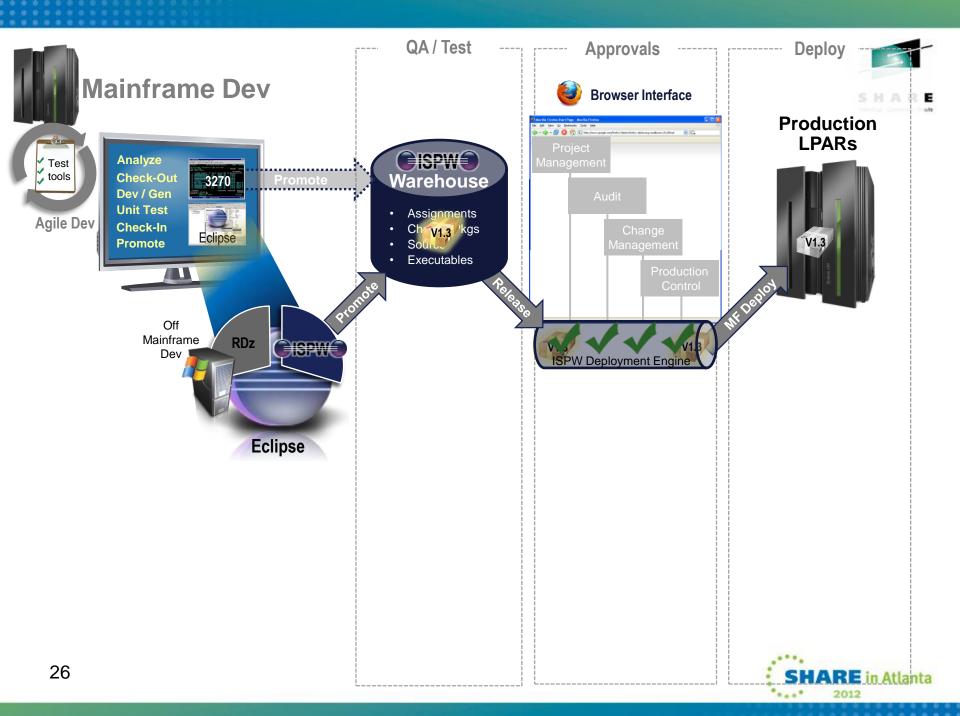
Old problems require new thinking:

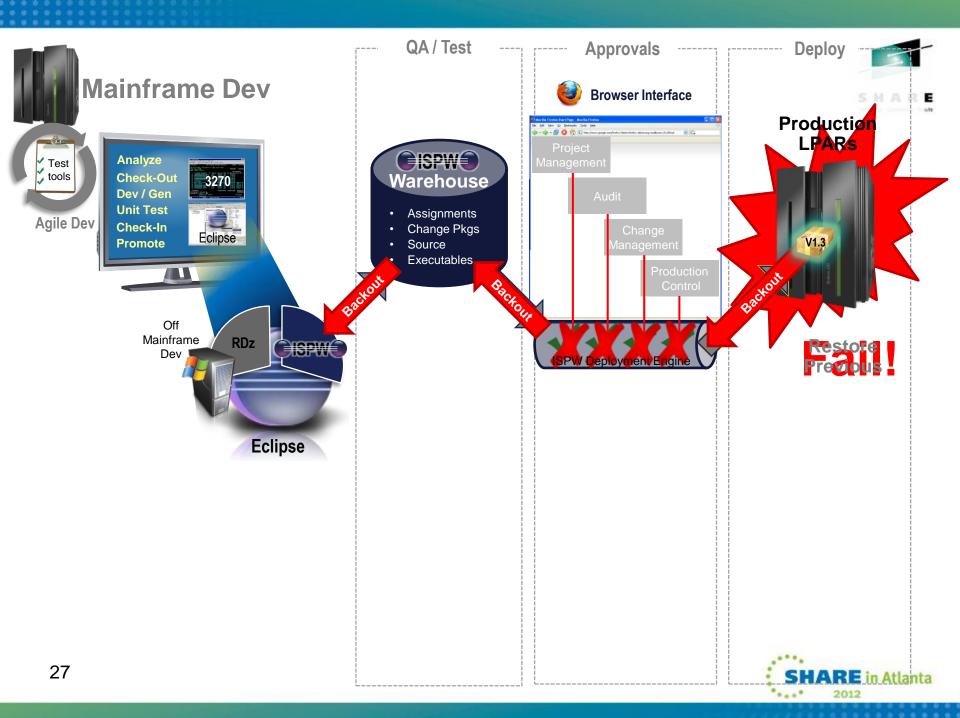
Henry Ford shattered conventional wisdom by bringing existing parts and tools to the workers.

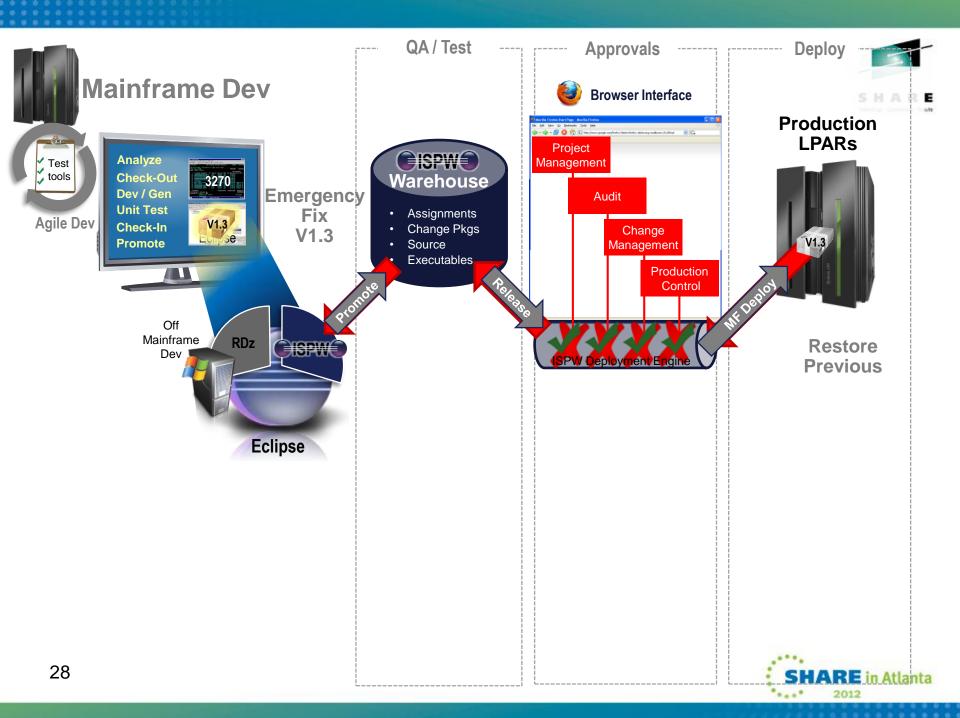
He didn't invent the car, just a new process that made them affordable.

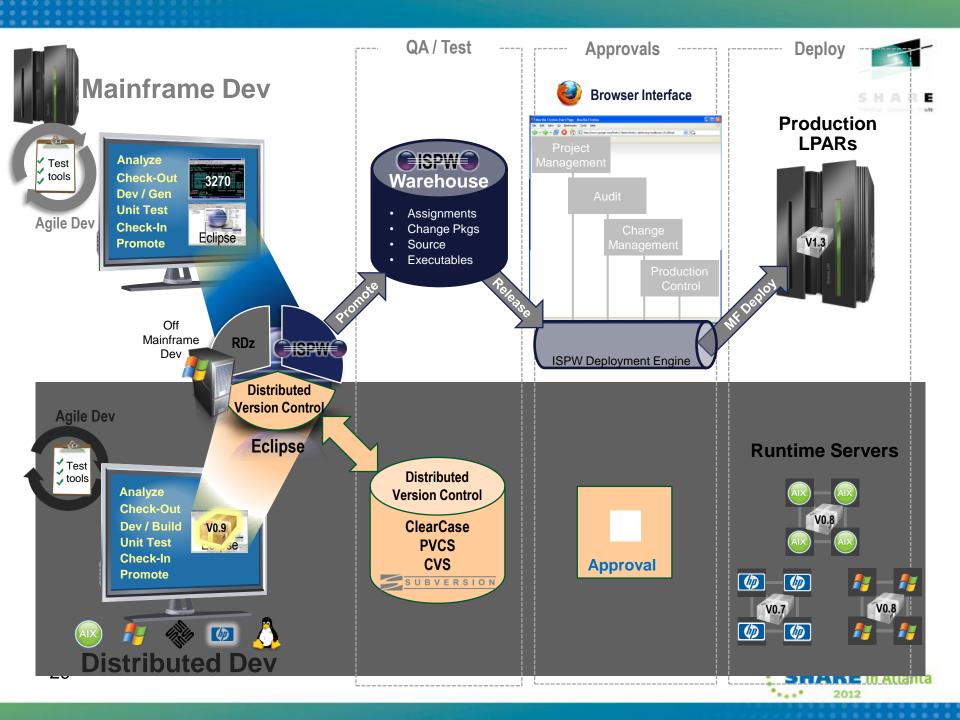


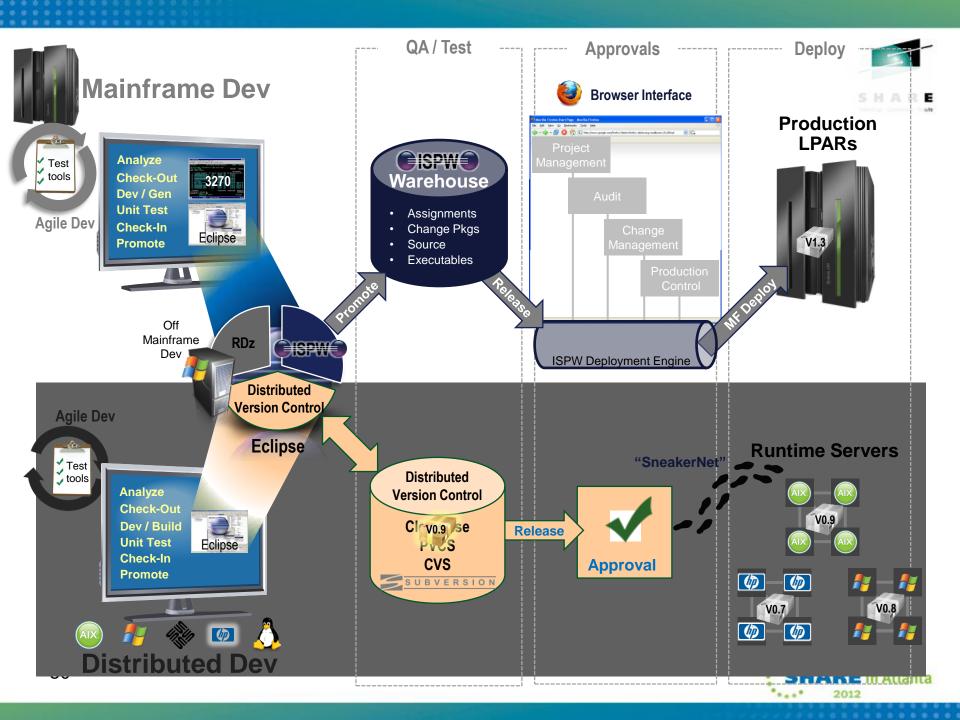


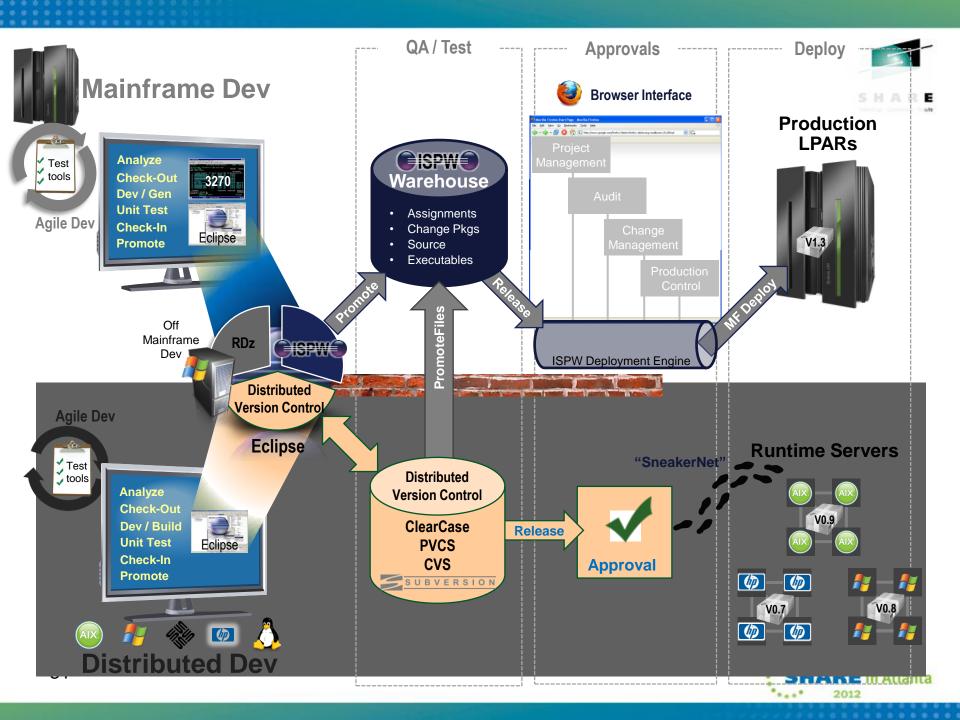


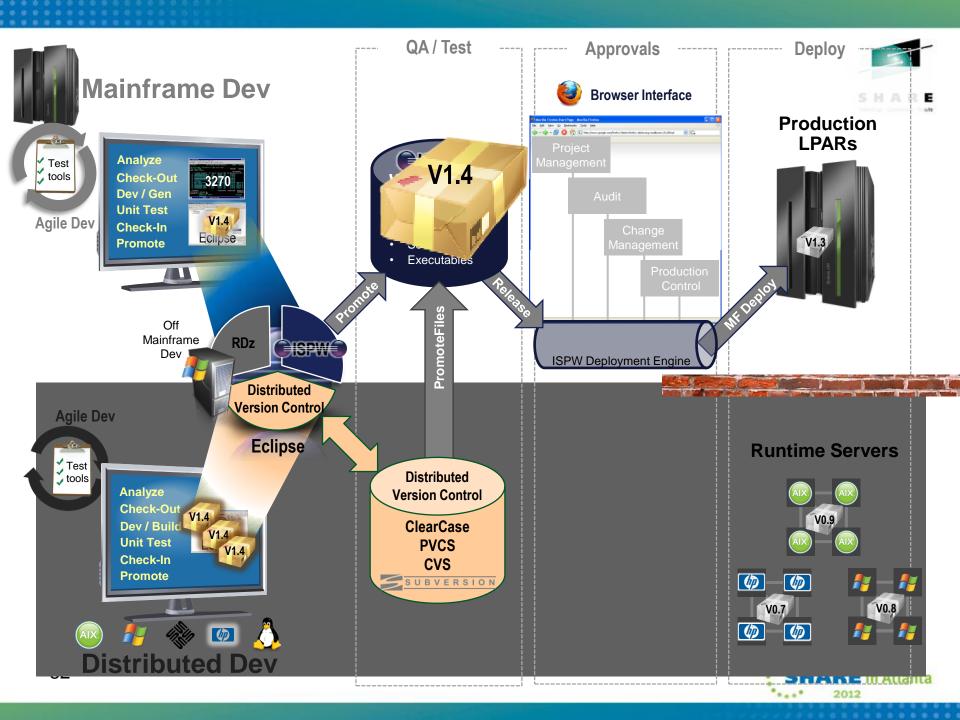


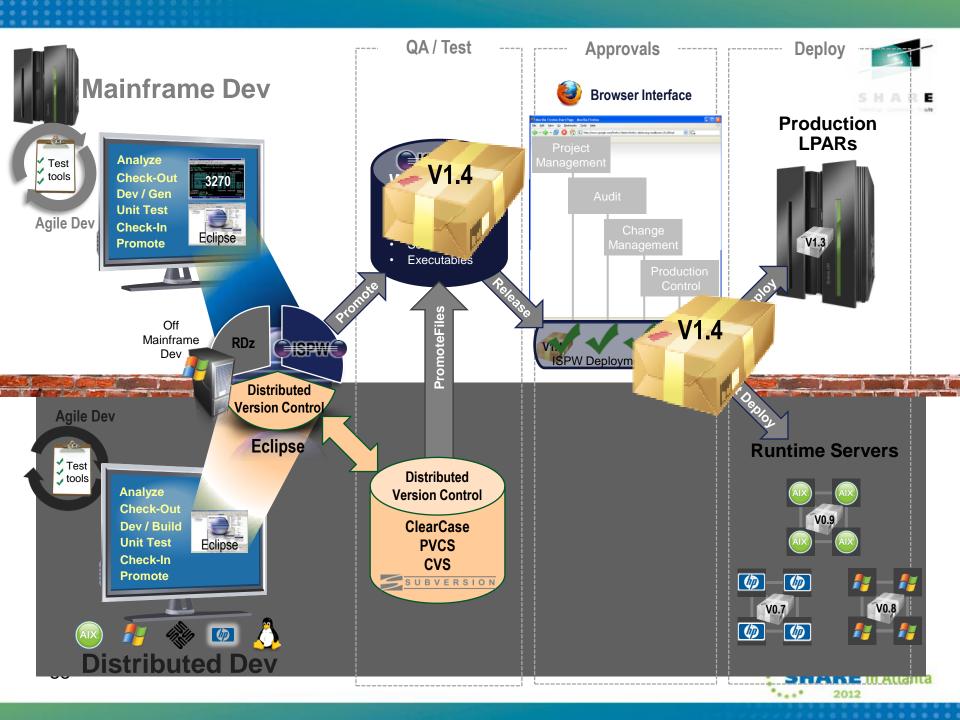


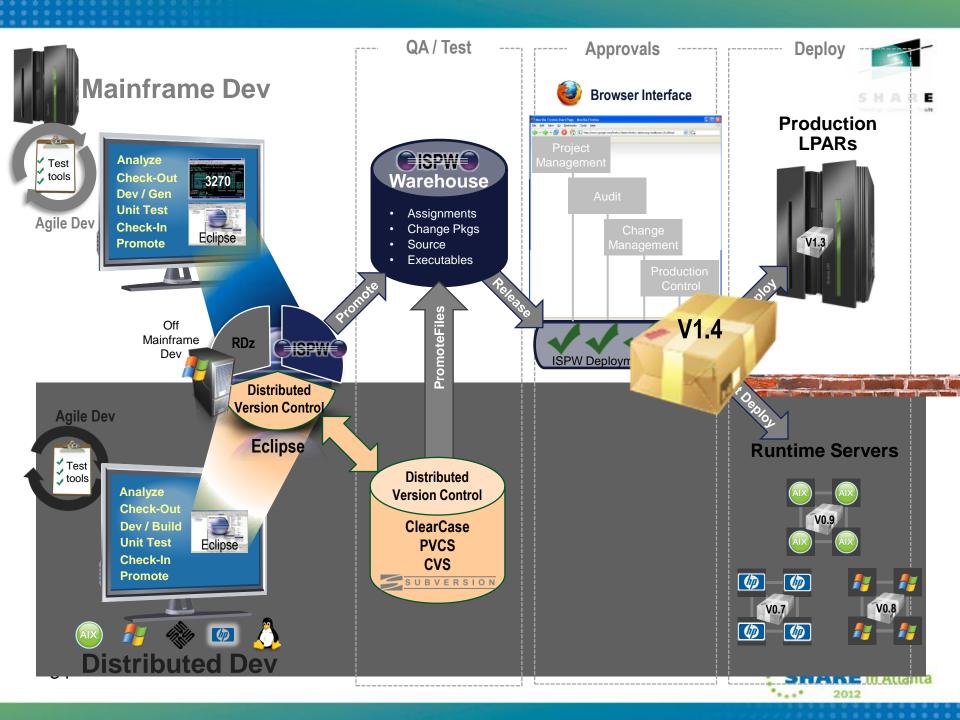


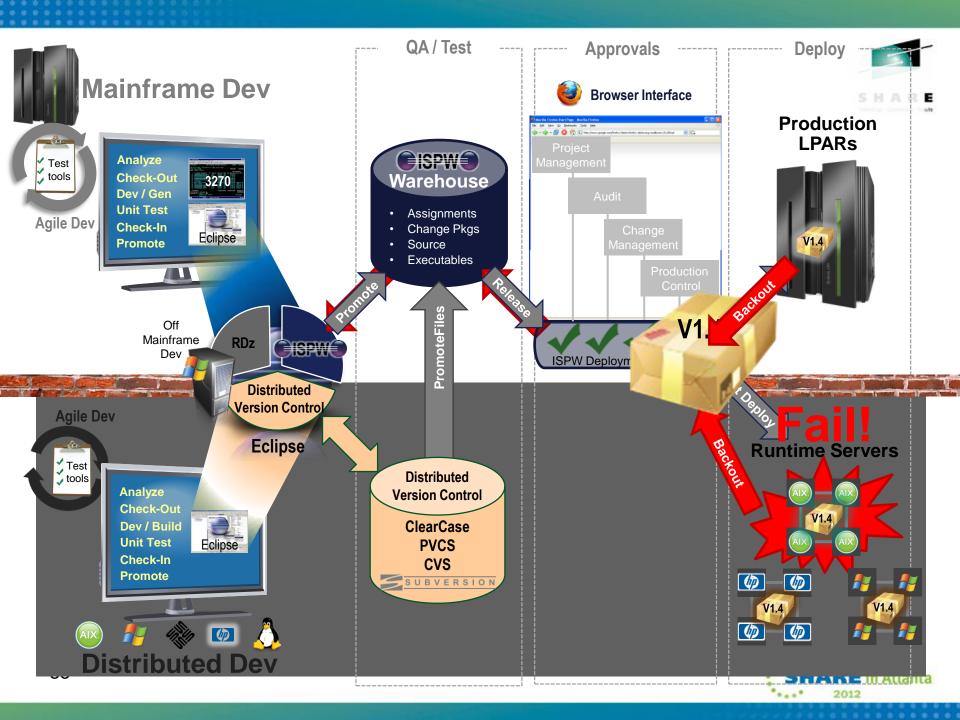


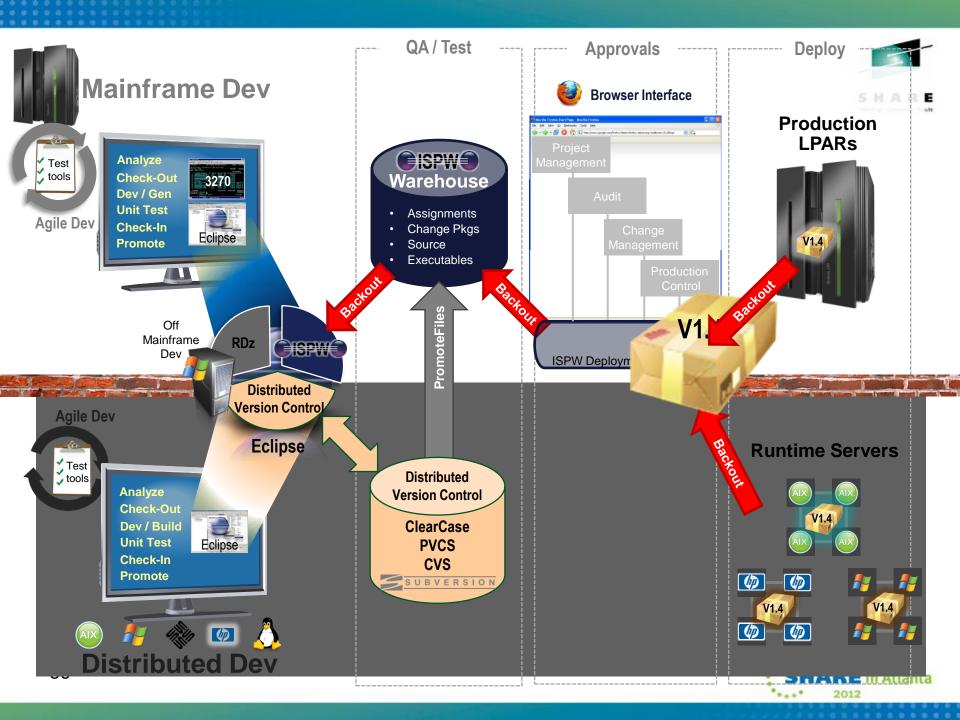


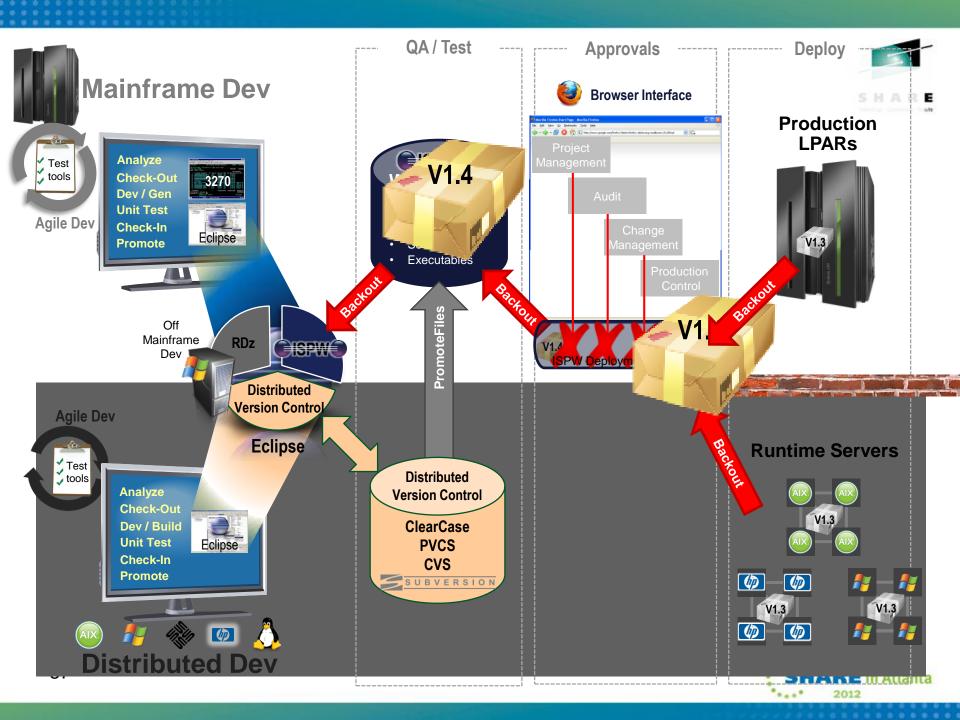
















more success, more often, with less effort at lower cost

Enterprise software change management. Delivered.

- Cost savings over older products
- Elimination of redundant effort
- Single point of control for IT.

