What's New Quality Center

Jürgen Pilz Business Development Applications, HP Software & Solutions <u>ipilz@hp.com</u> // 0171453 1059



Agenda

What's New in ALM 11

- ➤ TestDirector / Quality Center History
- ➤ Smart Repository
- ➤ Requirements Management
- ➤ Sprinter: Accelerated Manual Testing
- ➤ Project Planning & Tracking
- ➤Template Based Reports
- ➤ Business Process Testing
- ➤QC Deployment
- **>**What Else

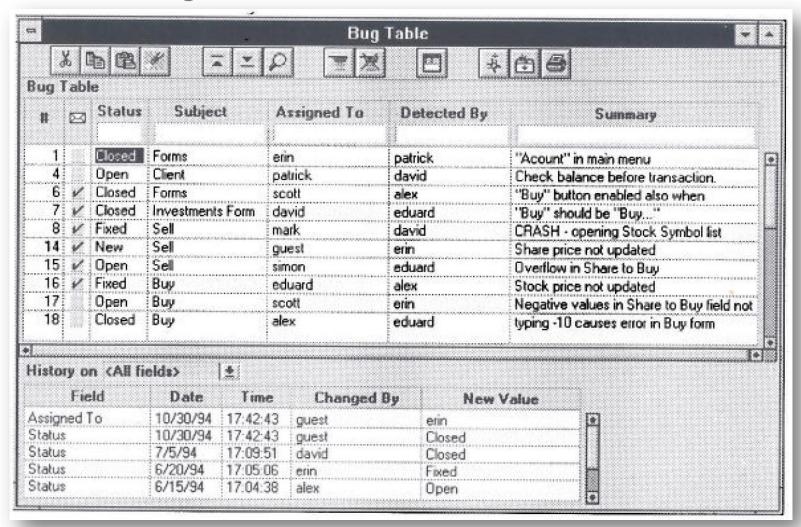
TEST DIRECTOR / QUALITY CENTER HISTORY

TEST DIRECTOR/QUALITY CENTER HISTORY

1995	TD 1.52	Windows like interface (and 1.52 for OS/2!)				
1997 TD 4.0, 1999 , TD 6.01						
2000	TD 7.0i	Fully web enabled, new requirements module				
2001 - TD 7.2, 2002 - TD 7.5, 2002 - TD 7.6, 2003 - TD 8.0						
2004	QC 8.0	New Java Server, High Availability, BPT module				
2004	QC 8.2	Advanced reporting, requirement traceability rules				
2006	QC 9.0	Dashboard server, STM module, defects traceability, repository over database				
November 2006 - Mercury acquired by HP						
2007	QC 9.2	Risk based testing, releases module, Excel reporting				
2009	QC 10.0	Versioning, sharing, baselining, New Premier version				
2010	QC 11.0	/ ALM 11				

TestDirector 1.51

Defects Tracking



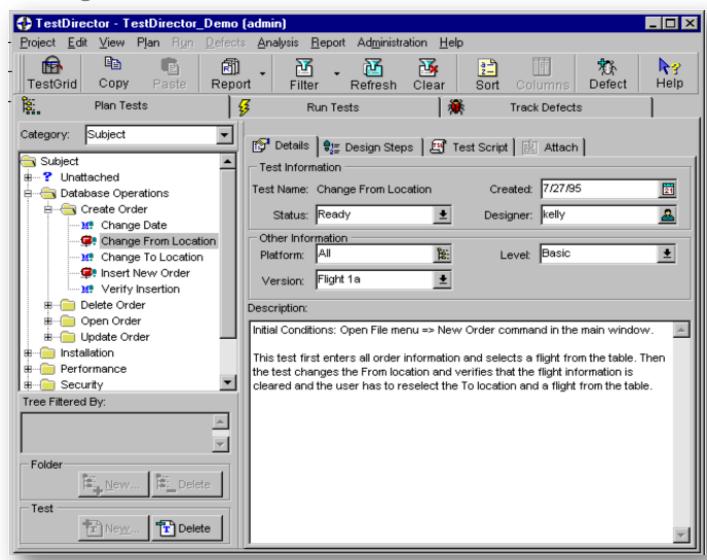
TestDirector 1.51

Test Planning

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n Brain Standard		Buy form UI	Forms	<u> </u>	Ready	erin	3/21/94	
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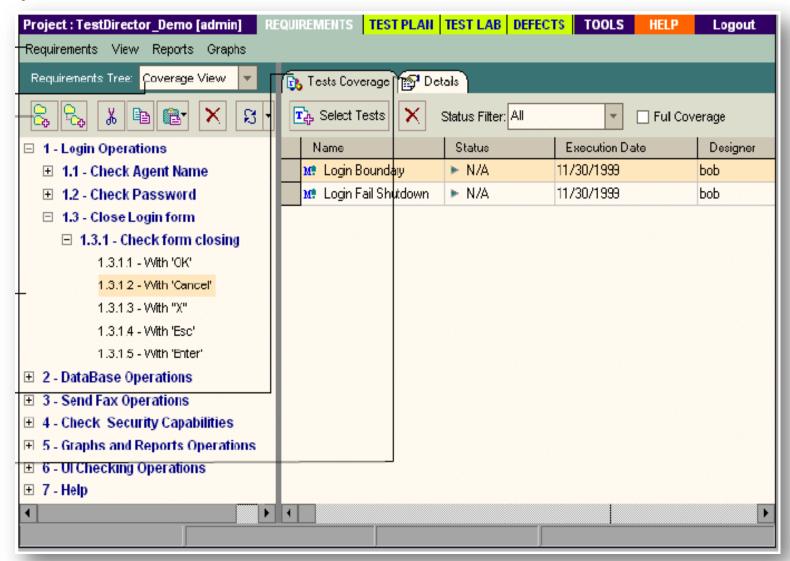
TestDirector 6.01

Test Planning



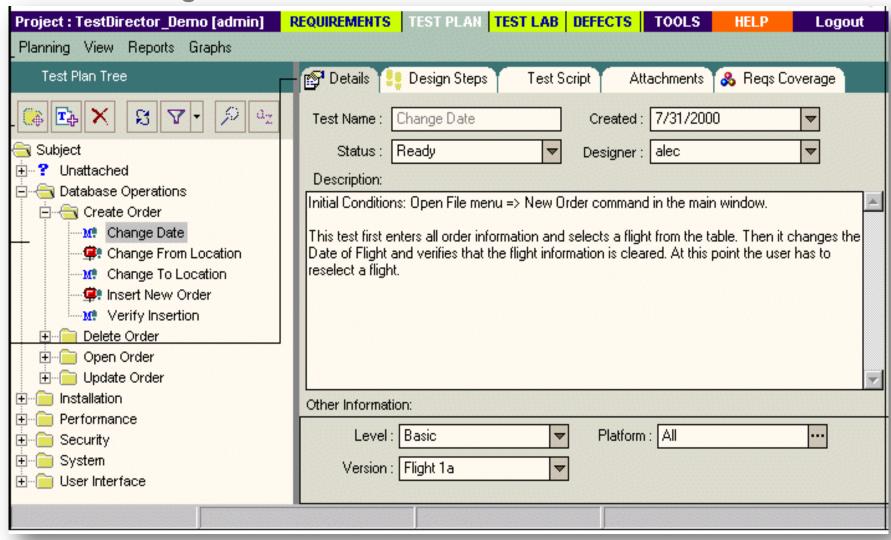
TestDirector 7.0i

Requirements



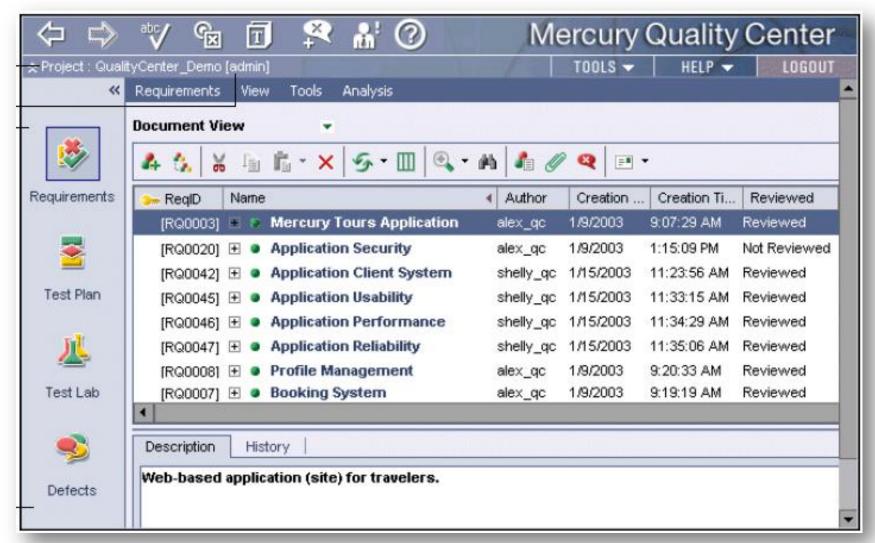
TestDirector 7.0i

Test Planning



Quality Center 8.0

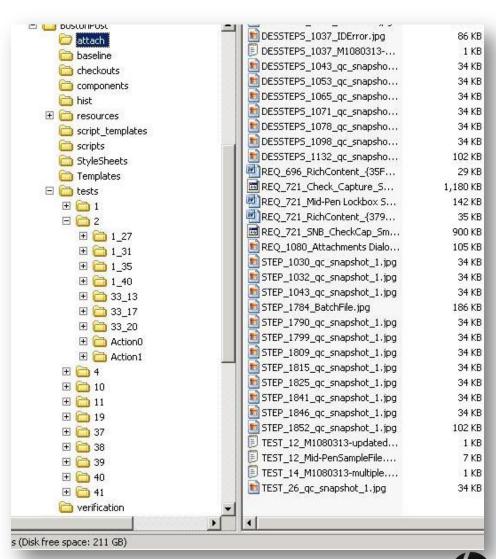
Requirements



SMART REPOSITORY

FILES, FILES...

- File System today:
 - Attachments
 - Tests
 - Version control copies
 - Baseline copies
- Bottom line: A LOT OF FILES



Is there something that we can do about all these files?



INTRODUCING SMART REPOSITORY

Customer	Project	File Count Before	File Count After	File Count Reduction	Size before	Size After	Size reduction	Feedback	
Cust A	Project 1	2,308,058	246,999	90%	11 GB~	5.3 GB	50%	So far it seemed really easy a lespecially like how the	
	Project 2	8,165,801	831,455	87%	32.5 GB	11.3 GB	65%	transition to the smart repository is completely hands off; all background	
Cust B	Project 1	17,630	12,866	30%	17 GB	4 GB	77%	I'm impressed that we have a 75% reduction in the space taken up by the projects on the server.	
	Project 2	698,908	133,670	80%	7 GB	2.3 GB	73%		
	Project 3	660,85	6,559	90%	757 MB	379 MB	50%		
	Project 1	5,050,204	1,309,332	73%	41.56 GB	18.77 GB	55%	That's a reduction in Repository on Disk of 96% with only a 12% increase in database size. The number of files dropped by 96% as well.	
Cust C	Project 2	1,953,664	427,536	75%	13.46 GB	6.18 GB	54%		
	Project 3	2,064,290	484,041	74%	10.65 GB	3.72 GB	65%		
	Project 4	34,898	1,230	96%	2.99 GB	0.12 GB	96%	Impressive!	
	Project 1	26,248	13581	48%	59 GB	38 GB	35%	certainly we are really impressed It seems this feature alone will justify the	
Cust D	Project 2	9,771	132	99%	32 GB	0.9 GB	97%		
	Project 3	7,377	979	86%	19 GB	8.4 GB	56%	upgrade to QC11.	



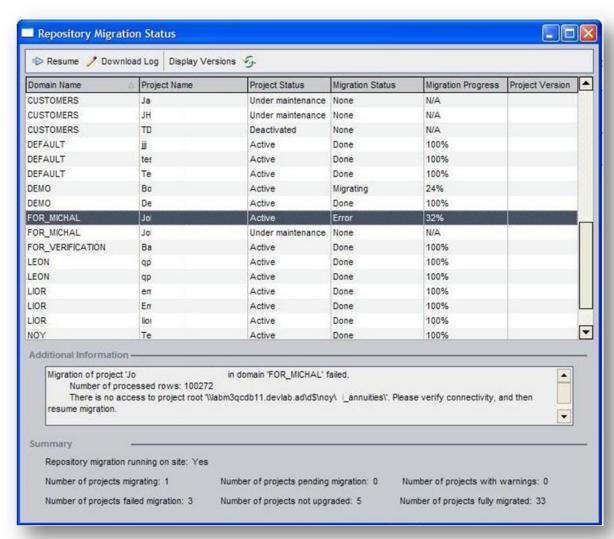
WHAT IS THE SMART REPOSITORY?

- -Abstraction of Logical files Vs Physical files
 - New abstraction layer in the DB
 - New physical FS structure
 - Fully transparent to application level
- -No more duplicate files in QC Projects
 - Only one physical copy for all duplicate logical files
- -Reliable and transparent migration
 - Fast and robust for projects in all scales



REPOSITORY MIGRATION

- Runs fast
- Runs in background
- Low on resources
- Alerts on errors
- Ignores 'simple' errors
- Handles 'recoverable' errors
- Recovers progress





REQUIREMENTS MANAGEMENT



The 4 Principles of Requirements Mgmt









Capturing

requirements and having a "single version of the truth"

Collaborating

on requirements to make sure the right thing is being captured

Linking

requirements to other development assets - tests, defects, code...

Standardizing

requirements so that everyone works in a common way

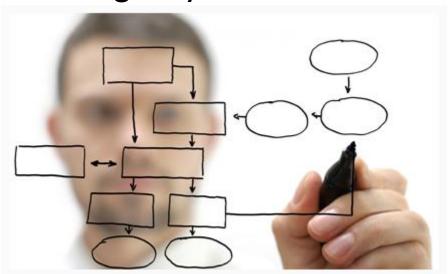


Business Process Model (BPM) Integration

Requirements Management

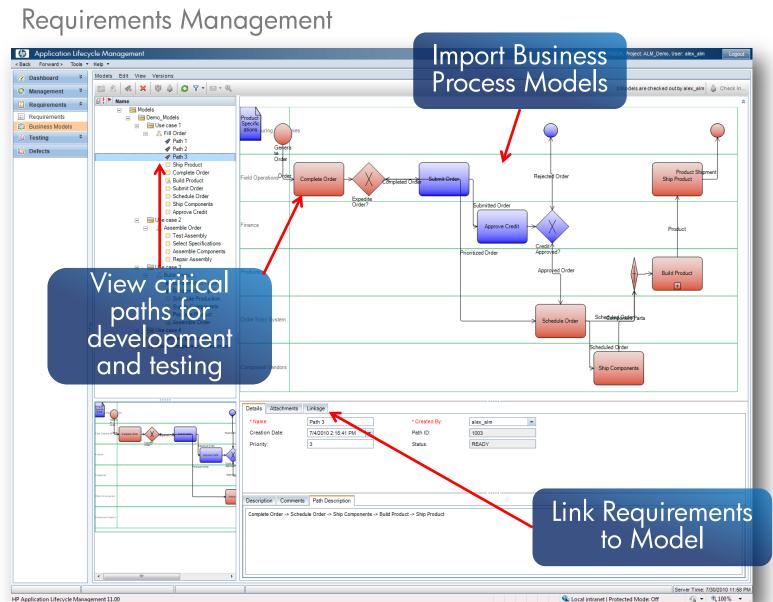
Customer Challenges

- Misalignment between business processes and business Requirements
- -End to End coverage by Dev & QA is hard





Business Process Model (BPM) Integration



HP Application Lifecycle Management 11.00



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Business Process Model (BPM) Integration

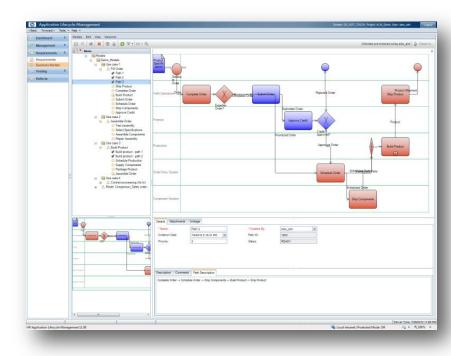
Requirements Management

Other Features

- Automatically generate requirements hierarchy
 - Mapping requirements directly to BPM
- Supports standard BPMN format
 - · i.e. Provision, Aris

Customer Value

- BPM available to a wider audience
 - · Developers, QA
- Clear end to end business process communication
 - Better testing; understand what can be componentized
- Improvement in requirements coverage





New Rich Text Editor & Requirements templates

Requirements Management

Customer Challenges

- BAs comfortable using MS Word
 - Inhibits new tool adoption
- "Requirements management tools are hard to use"

The Result: No 'single point of truth' for requirements

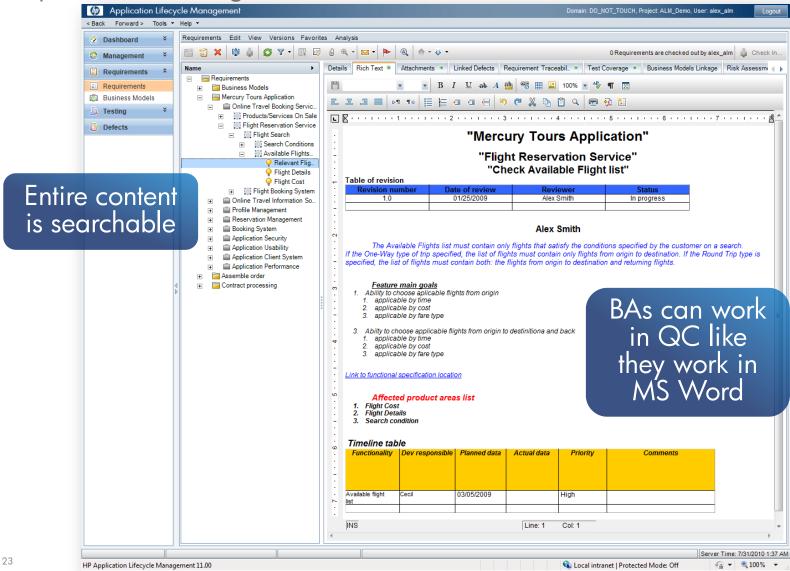
- Capturing requirements and getting the right data
 - Lack of standardization
 - Requirement details missed
 - Inconsistent requirements (High amounts of Overwork & underwork)





New Rich Text Editor

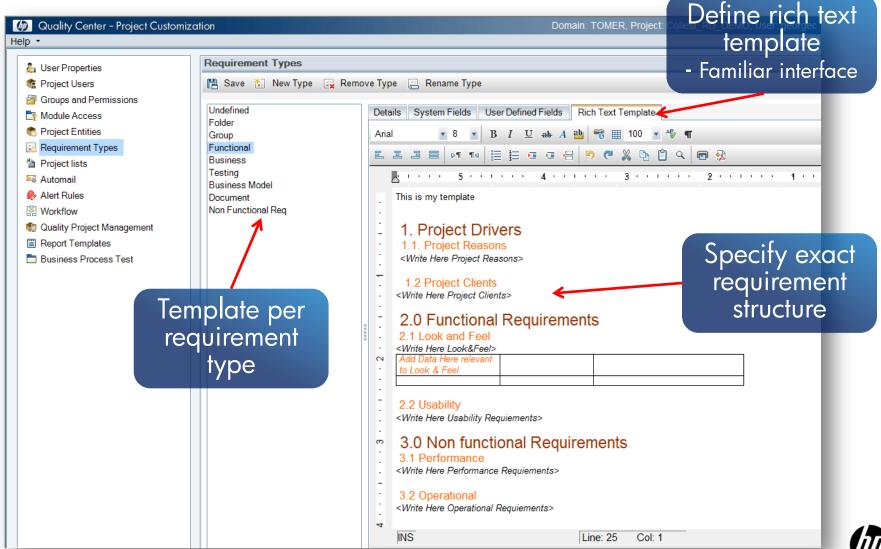
Requirements Management





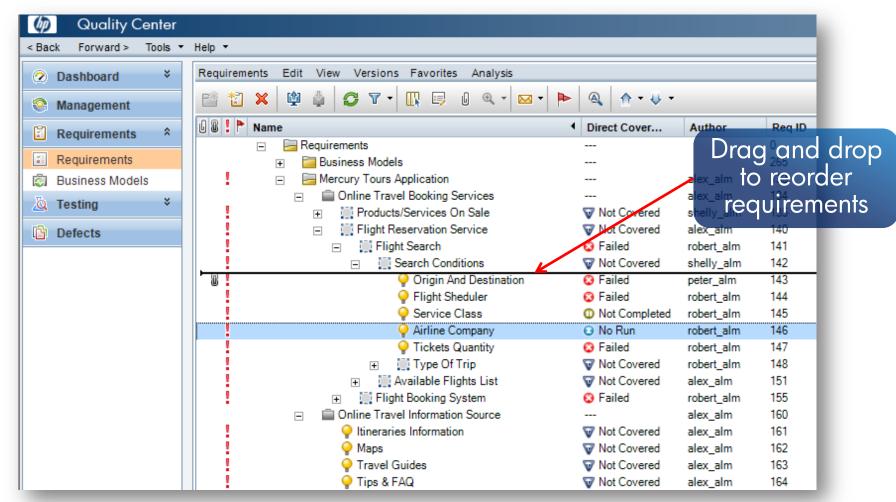
Requirements Templates

Requirements Management



Custom Order Requirements

Requirements Management





SPRINTER: ACCELERATED MANUAL TESTING

Today's challenges with manual testing

Customer Challenges

- QA teams spend significant time executing tests
 - Following and executing test steps is challenging
 - Repetitive test steps waste execution time
 - Testing multiple environments is time consuming
 - Entering data can be error prone and a chore
- Developers spend significant time figuring out bugs
 - Bug descriptions are never enough
 - There is always something missing the developer wanted



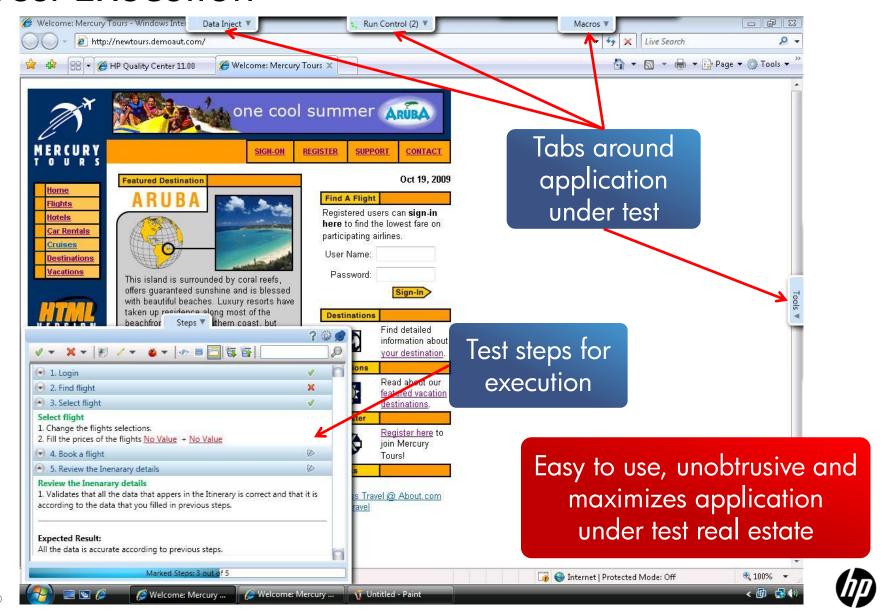
Connects directly to HP Quality Center

HP Sprinter

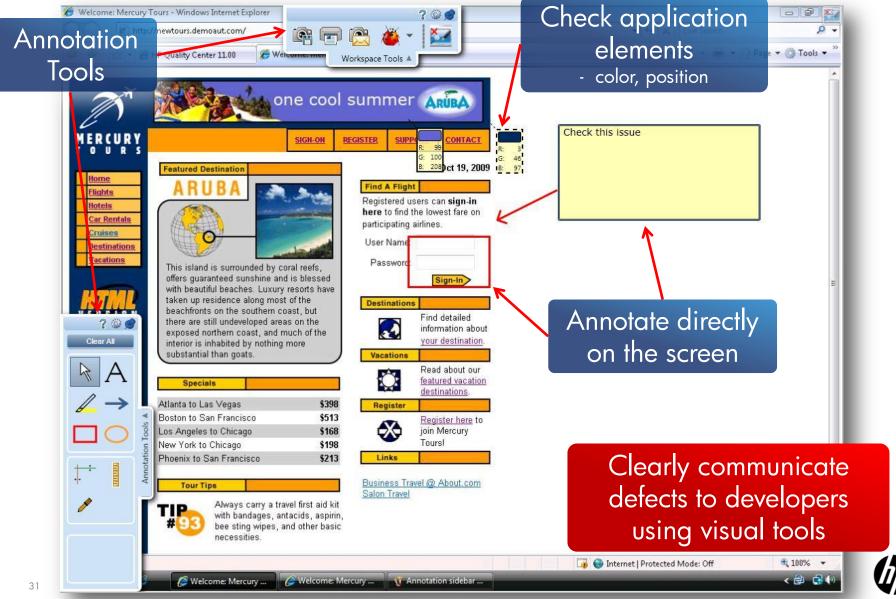




Test Execution

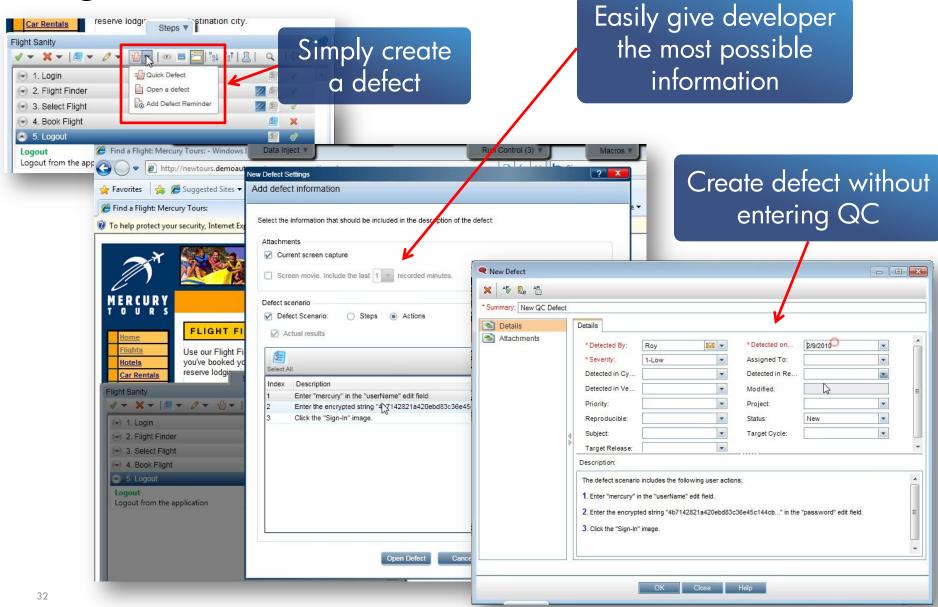


Screen Annotation and Tools

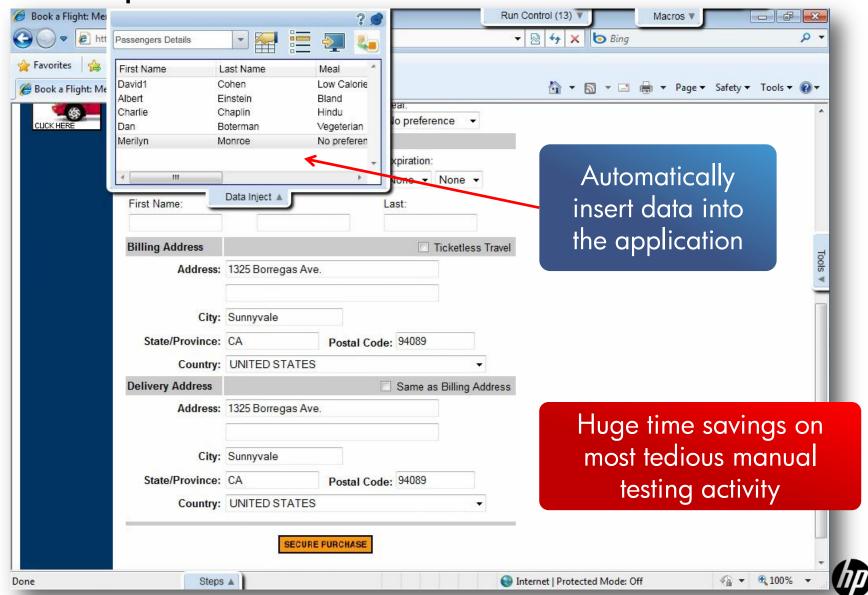




Log defects in QC



Data Injection



Exploratory Testing

HP Sprinter

Most innovative tool available to communicate exploratory testing actions and details

- Becoming more common with Agile adoption
- Used to test how the software is working and handles different actions in order to uncover defects quickly

Challenge: The history or actions that led to that outcome cannot be communicated as the test was ad-hoc and wasn't following a specific test case or use case

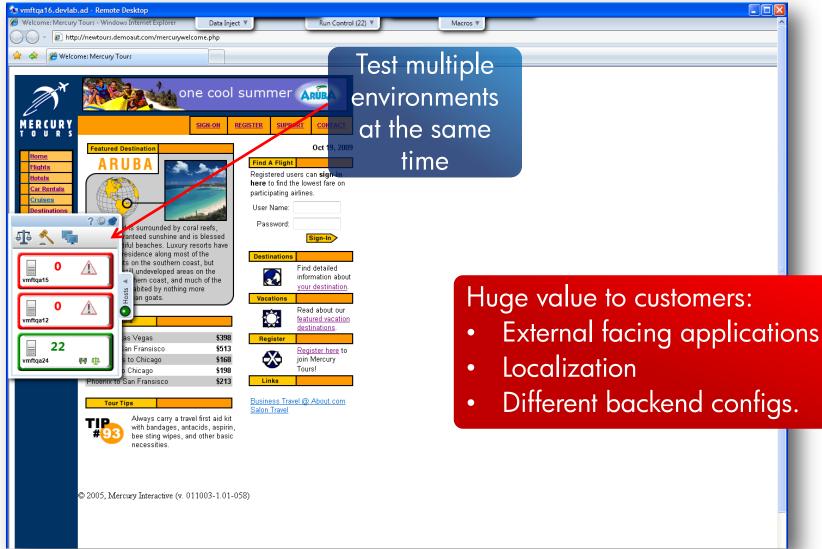
With HP Sprinter:

- You can keep a record and log of all the user actions you performed during your test
- Increase the value of exploratory testing by better communicating what lead to the result or defect





Mirror Testing





Manual testing game changer

HP Sprinter

Easy to use and unobtrusive

Visually capture and record test actions and results to improve communication and accelerate defect remediation

Automate data entry

Automatically log exploratory testing

Simultaneously test against multiple environments



PROJECKT PLANNING & TRACKING



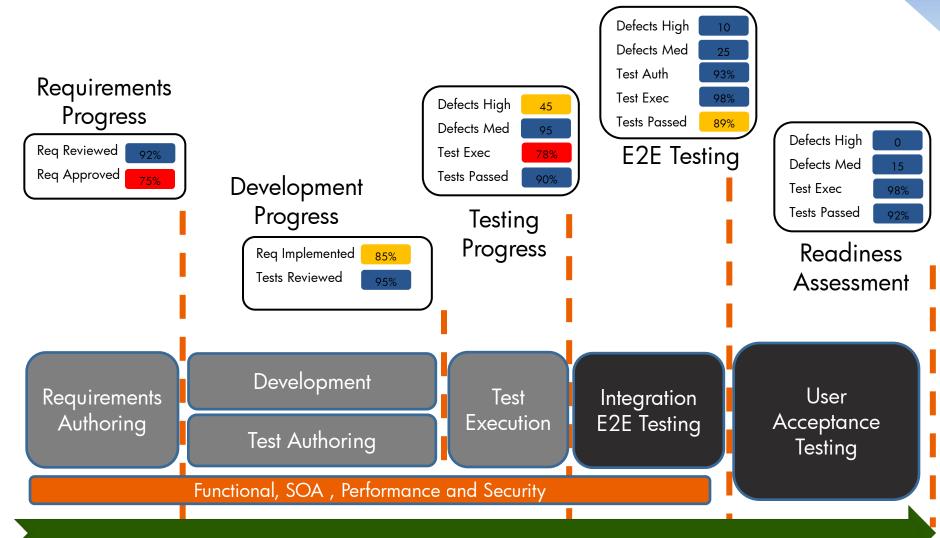
PROJECT PLANNING & TRACKING

Customer Challenges

- Manager visibility into project progress and status
- Team visibility into key project milestones
- Proactive adjustment of plans when project is not on track
- Poor quality discovery before impact on schedule



PROJECT PLANNING & TRACKING

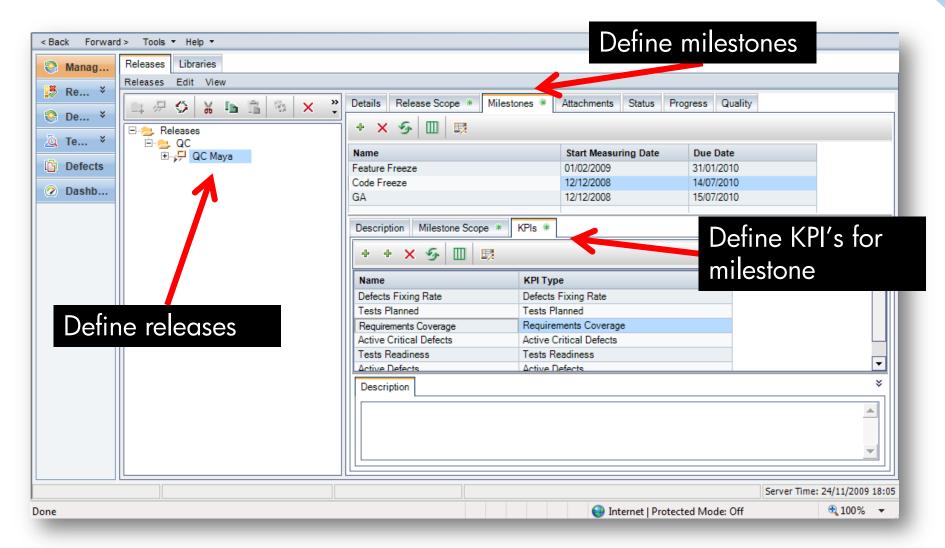








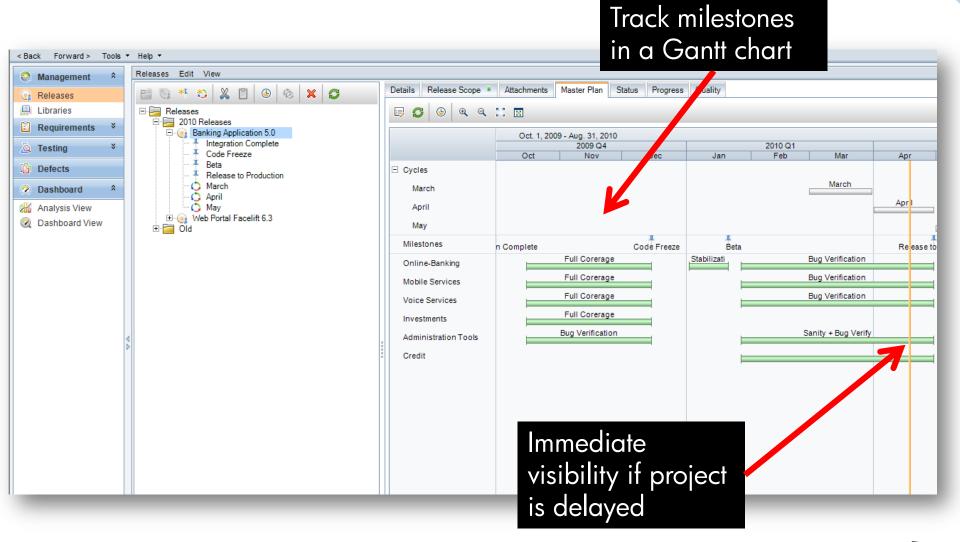
RELEASE MILESTONES







MASTER PLAN

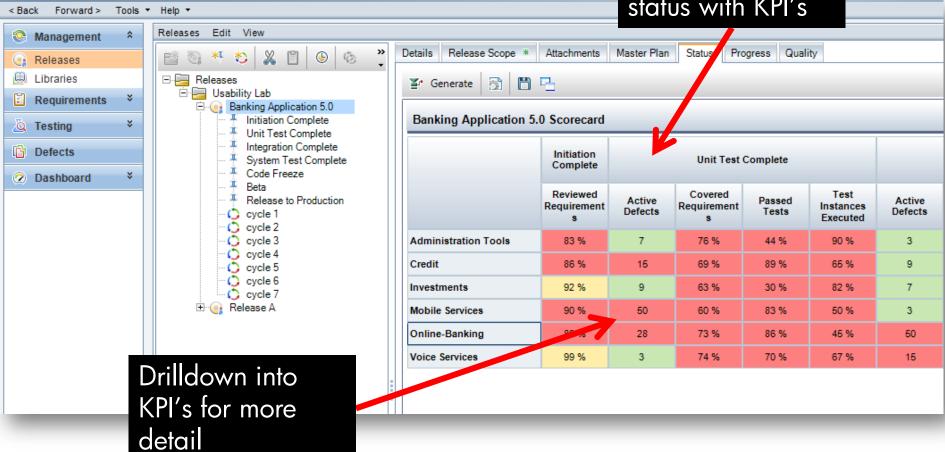






SCORECARD

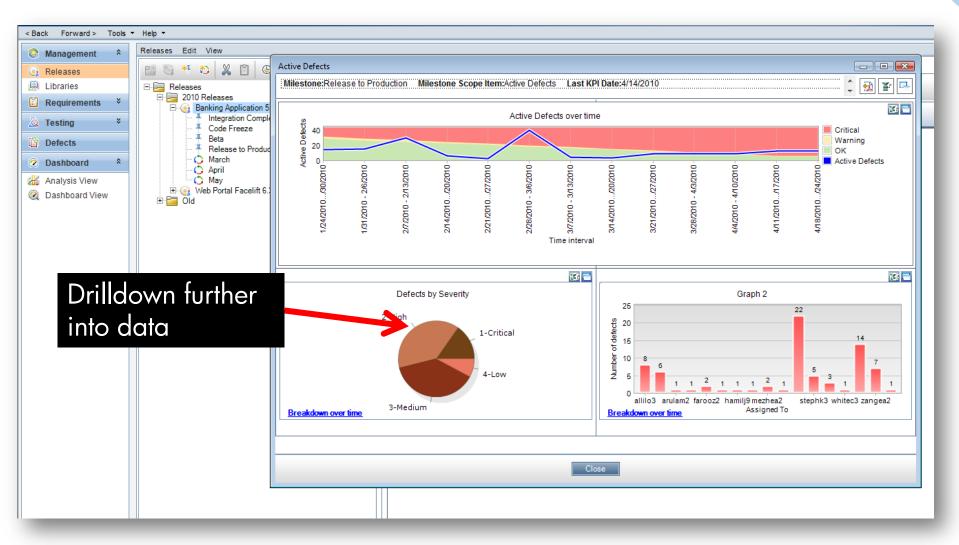
Track release progress and status with KPI's







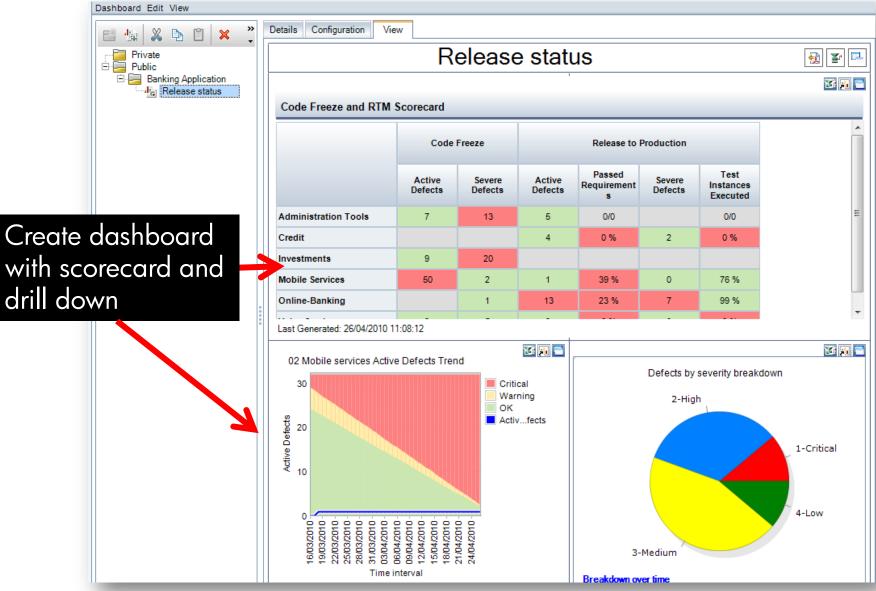
SCORECARD DRILLDOWN





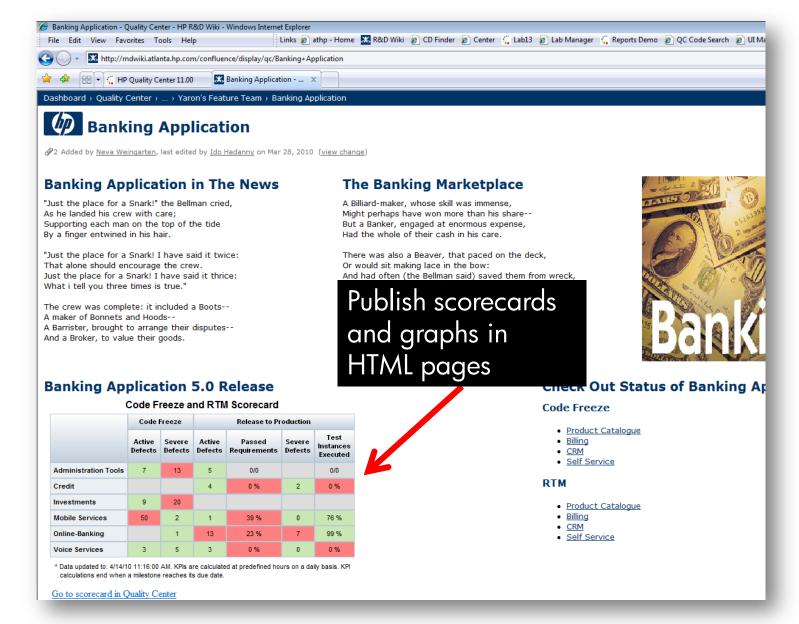


DASHBOARD PAGE





SHARE POINT / WIKI INTEGRATION





0/1/1

What do you get in HP ALM 11.00?

All HP Quality Center Enterprise Functionality and Modules

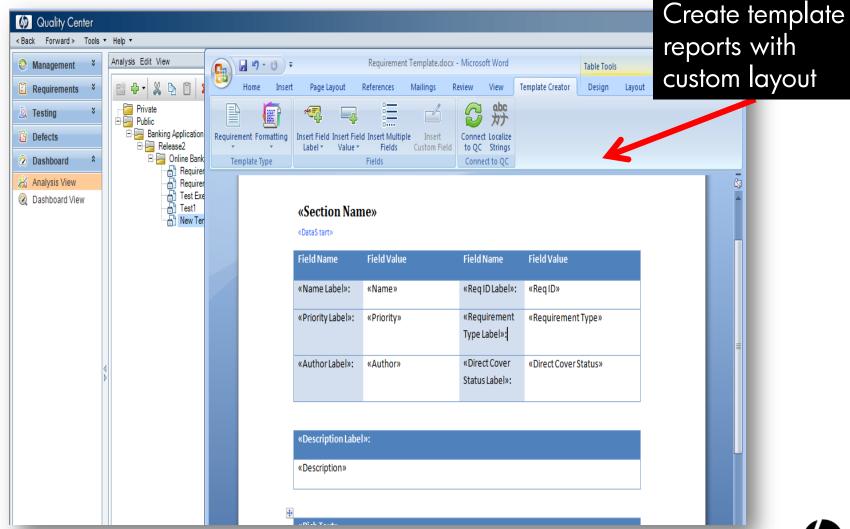


- Project Planning & Tracking
 - Track and measure project milestones and KPIs



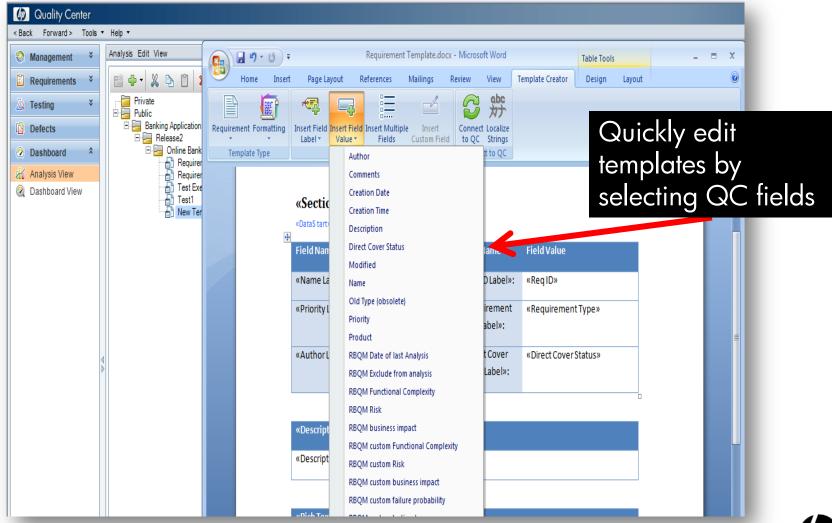
- Enable centralized management and enforcement of consistent workflows and processes
- Asset Sharing and Reuse
 - Reduce duplication of effort through asset sharing and reuse.
- Cross Project Reporting
 - Gain visibility into entire application portfolio and aggregate reporting
- Defect Sharing
 - Share defects across multiple projects
- Unlimited High Availability Server
 - Facilitates enterprise scalability

Template creation



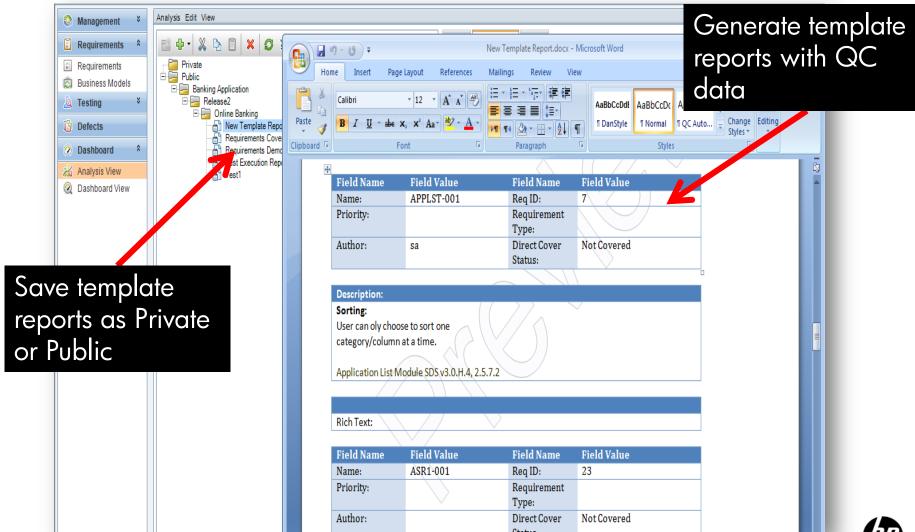


Template editing





Template report generation

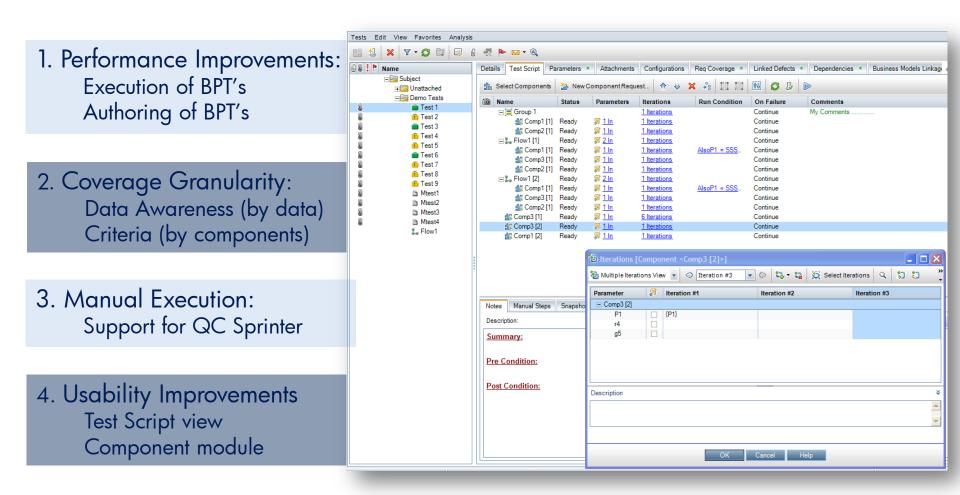




Customer Challenges

- Slow execution of BPT tests compared with standalone QTP
- Requirements not covered at BPT component level
- Test data not centralized & shareable
- BPT test script view usability not ideal

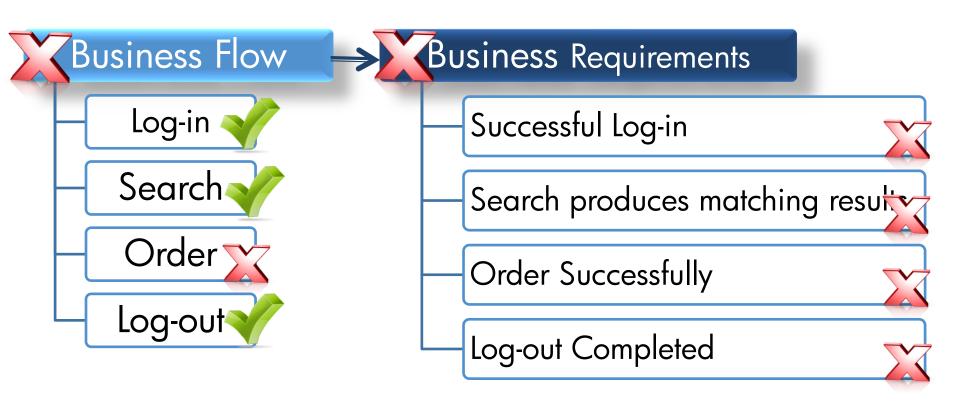






Requirements Coverage

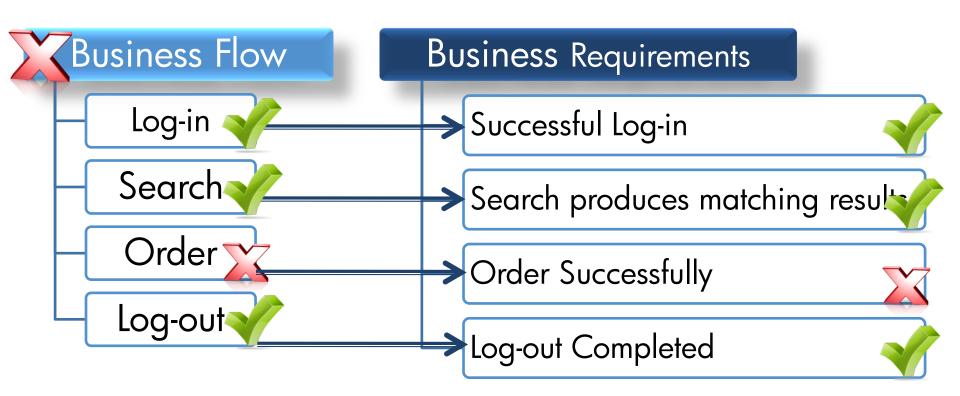
PAST ... TODAY





Requirements Coverage

TODAY ... FUTURE





QC DEPLOYMENT



SIMPLIFIED QC CLIENT DEPLOMENT

Deployment requires admin rights

Complex Patches deployment

No Side-by-Side Deployment

Large site upgrade takes time

Isolated directory



Registry free



Side by Side



Admin free*

^{*}Prerequisites: .NET Framework 3.5 SP1 and Visual C++ 2005 SP1 Redistributable



WHAT ELSE

New Environment Support

HP Quality Center and HP Application Lifecycle Management 11.00

Server Environments

- Windows Server 2008 (64 Bit)

Database Servers

- SQL Server 2009 SP1
- Oracle 11g RC2

Client Environment

- Windows 7 (32 Bit)
- Internet Explorer 8

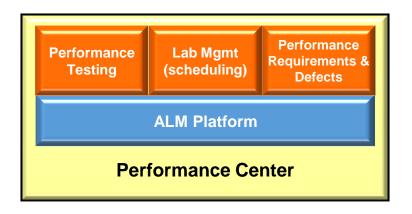
Add-ins

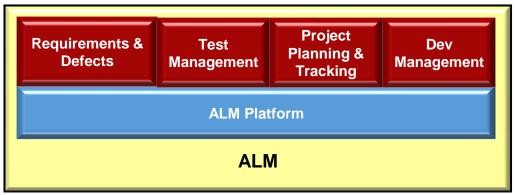
- MS Office 2010



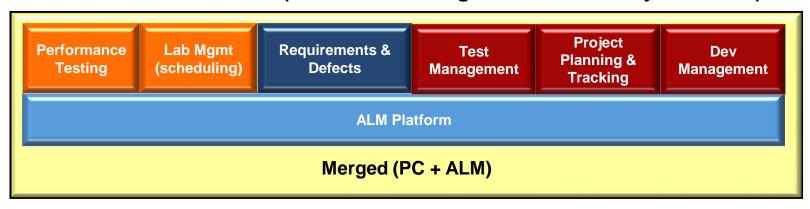
Performance Center 11.0

1. Stand-alone PC (customer may or may not have either ALM or QC)

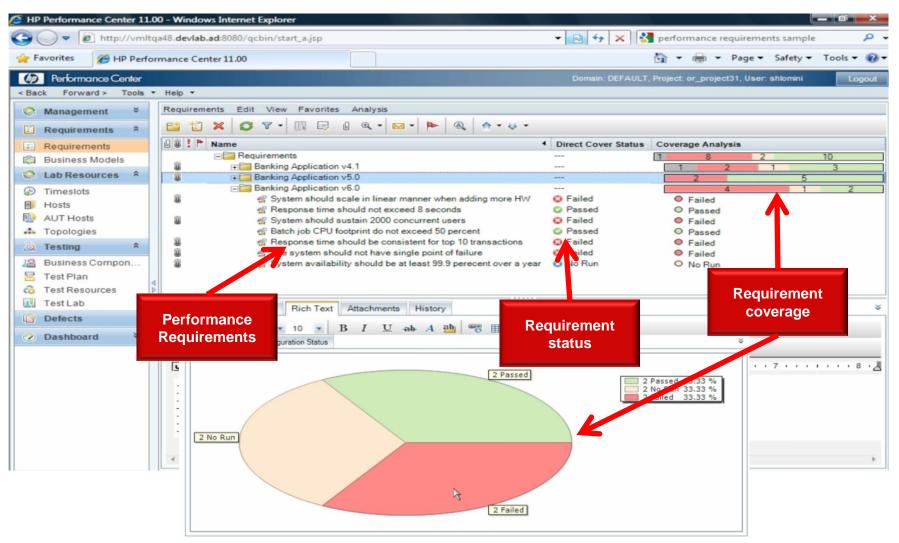




2. PC & ALM Combined (PC does not integrate with QC. Only with ALM)



Performance Center 11.0



To C More ...

HP **SOFTWARE UNIVERSE** 2010 NOV 30-DEC 2 | BARCELONA, SPAIN SIMPLIFY. ACCELERATE. INNOVATE.

Q&A

Outcomes that matter.

