

HP Application Lifecycle Management

+ + + +
010111001001110100001111010
01101 1100101 0100 10 1 01011
%01011100010



Overview

HP Application Lifecycle Management is a software solution expressly designed to allow your team to take control of the application lifecycle while investing limited resources in the highest priorities and increasing velocity of delivery -- without sacrificing quality or performance.

Key features and benefits

Thousands of apps are released every day driving businesses world-wide to demand constant technology improvements to power competitiveness, delight customers, and achieve financial objectives.

Application teams are pushed for speed to deliver applications to an ever impatient and empowered business user while also maintaining and modernizing existing applications. Yet while speed is important, quality is impacting the bottom line as never before.

This is the new imperative for IT: Achieve velocity and quality. HP's suite of Application Lifecycle Management solutions are designed to allow your team to take control of the application lifecycle and increase velocity of delivery without sacrificing quality or performance.



Key capabilities

- Track projects and releases with a shared workflow
- Share, version and re-use assets
- Define and manage requirements
- Collaborate from anywhere
- Provide complete traceability of development
- Plan and manage your quality targets
- Leverage your testing assets
- Automate the provisioning of dev/test

Key Business Challenges

1. The first challenge is how do fast moving organizations ensure they are working on the right things and maintaining alignment with the business?
2. Organizations worldwide struggle with speeding up time to market of their applications while maintaining quality
3. In addition, they struggle with predictability— how to get visibility and insight into the work of distributed teams
4. Application teams struggle with maintaining velocity while engaging in manual processes; how to apply automation throughout the application lifecycle for more efficient delivery
5. And finally: they struggle with impediments, how to remove latency and delays resulting from handoffs and constrained resources delaying build, test, validate, and deploy steps.



Ready-made roles

HP Application Lifecycle Management is a unified yet open and extensible platform that is designed to use insights, artifacts, and tasks from many heterogeneous tools to provide visibility, collaboration, traceability, and lifecycle management. HP Application Lifecycle Management is highly useful to many different roles and departments in your organization chartered with the rapid delivery of high quality applications. Including:



**Chief
Information
Officer (CIO)**



**Vice President of
Applications
(VP Apps)**



**Vice President of
Operations
(VP Ops)**



**Performance
Automation
Engineer**



QA Tester



**Test Automation
Engineer**



**Application
Manager**



**Functional
Architect**



Team Leader



Developer



QA Manager



Product Owner



**Scrum Master &
Team Members**



**Developer
(Team Member)**



**Team
Members**



Manual Tester



Introduction

HP's Application Lifecycle Management solution is designed to allow your team to take control of the application lifecycle while investing your limited resources in the highest priorities and increasing velocity of delivery -- without sacrificing quality or performance.

HP Application Lifecycle Management Menu:

Use case #1

Traditional Application Development – Waterfall approach

- R&D Team
- QA Team



Use case #2

Modern Application Development – Agile Approach



Executive Scorecard

VP of Apps / VP of Ops



Use case #1 - R&D Team

Traditional Application Development

Waterfall approach



Douglas Bryant
Chief Information
Officer (CIO)



Debby Kramer
Vice president of
Applications (VP Apps)



Michael Anderson
Vice president of
Operations (VP Ops)



Michelle Daily
Application Manager
(App Manager)



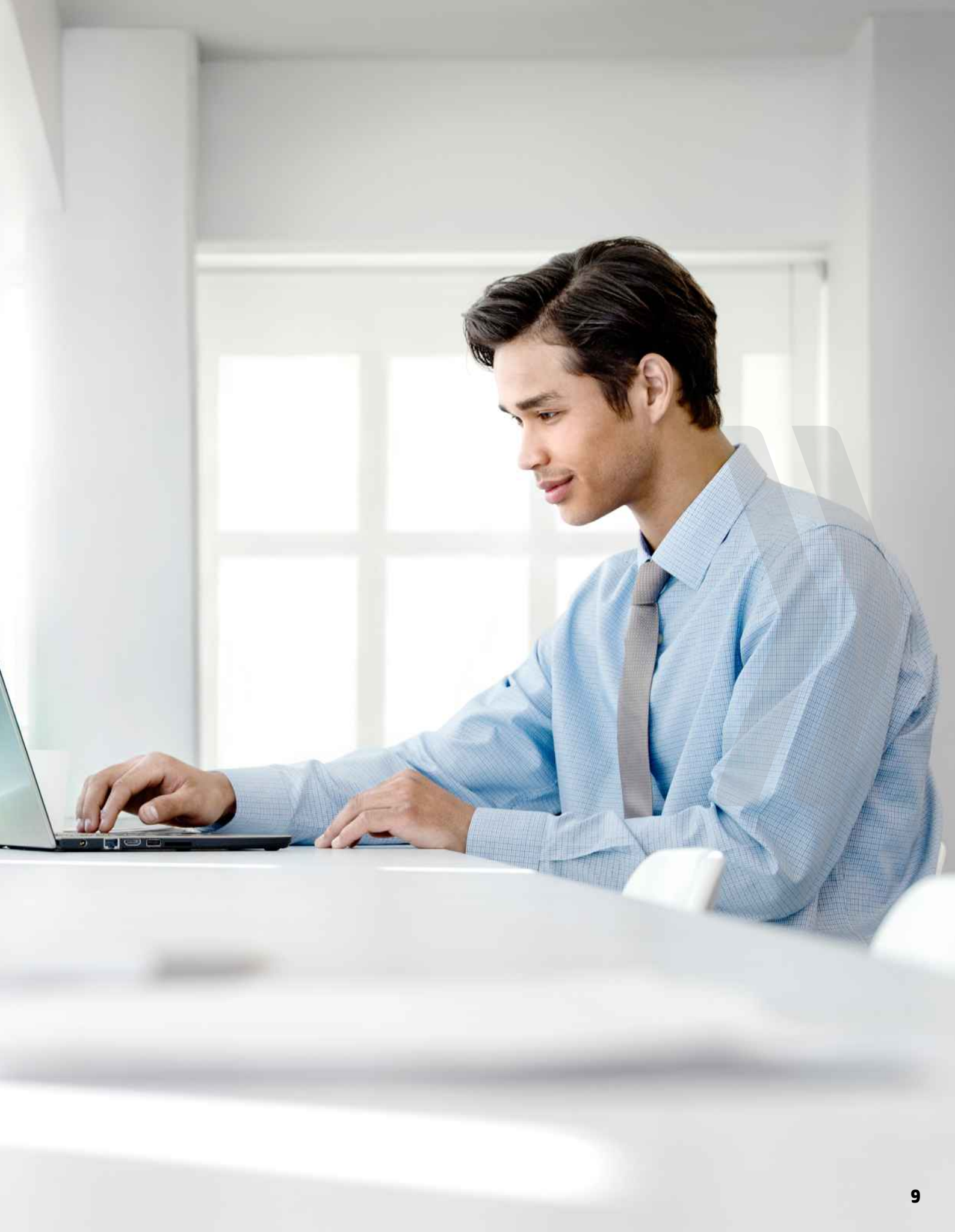
Ben Gilke
Developer



Eddie Zeller
Team Leader



Cheryl Wilson
Functional Architect



Use case #1 - R&D Team

Traditional Application Development

Waterfall approach

HP's Application Lifecycle Management solution is designed to allow your team to take control of the application lifecycle while investing your limited resources in the highest priorities and increasing velocity of delivery -- without sacrificing quality or performance.

The request for planning, designing or modifying an application often comes from the customer. Customer satisfaction is one measure which can be examined on the HP Executive Scorecard. When detecting dissatisfaction, the project manager can analyze the case and recommend project handling according to different project functions and team members.

Challenges

- Need to increase agility
- Innovate more
- Faster revenue growth

Use case workflow

Adding requirement in HP ALM to make the application cloud ready.
Assigning it to release.



Defining tests in the HP ALM Test Module to ensure product quality.



Provisioning a workspace in the HP ALI Dev Plug-in for Eclipse.



Changing source code according to the new requirement and starting implementation.



Running a build overnight.



Checking the ALI build report to ensure the build is covered and the tests are passing.

Products

- HP Application Lifecycle Management
 - Requirements Management
 - Test Management
 - Release Management
- Eclipse + HP ALI Dev Plug-in



Douglas is the CIO of Advantage Inc. Douglas uses HP Executive Scorecard to verify the IT organization performs well, that the business is well supported by the technology his organization delivers.

In HP Executive Scorecard he notices that customer satisfaction KPI is red. Also that many incidents have been opened recently on one of the customer facing applications.



Executive Scorecard

[Read more](#)



Michael Anderson



Debby Kramer

Together, the VP of Operations, VP of Applications, and the Application Manager analyze this case and define a goal to increase customer satisfaction by the end of the quarter.



Michelle Daily is the Application Manager. She says that the root cause of these KPIs is related to increased number of mobile users that accessing the app very frequently, creating too much traffic on the backend servers.

Michelle recommends deploying the application in the cloud to deliver high performance, flexibility, and better customer satisfaction.

They decided to make the application Cloud-ready, and since it is an urgent issue that impacts external customers, they also decided to deliver this change within a few weeks.

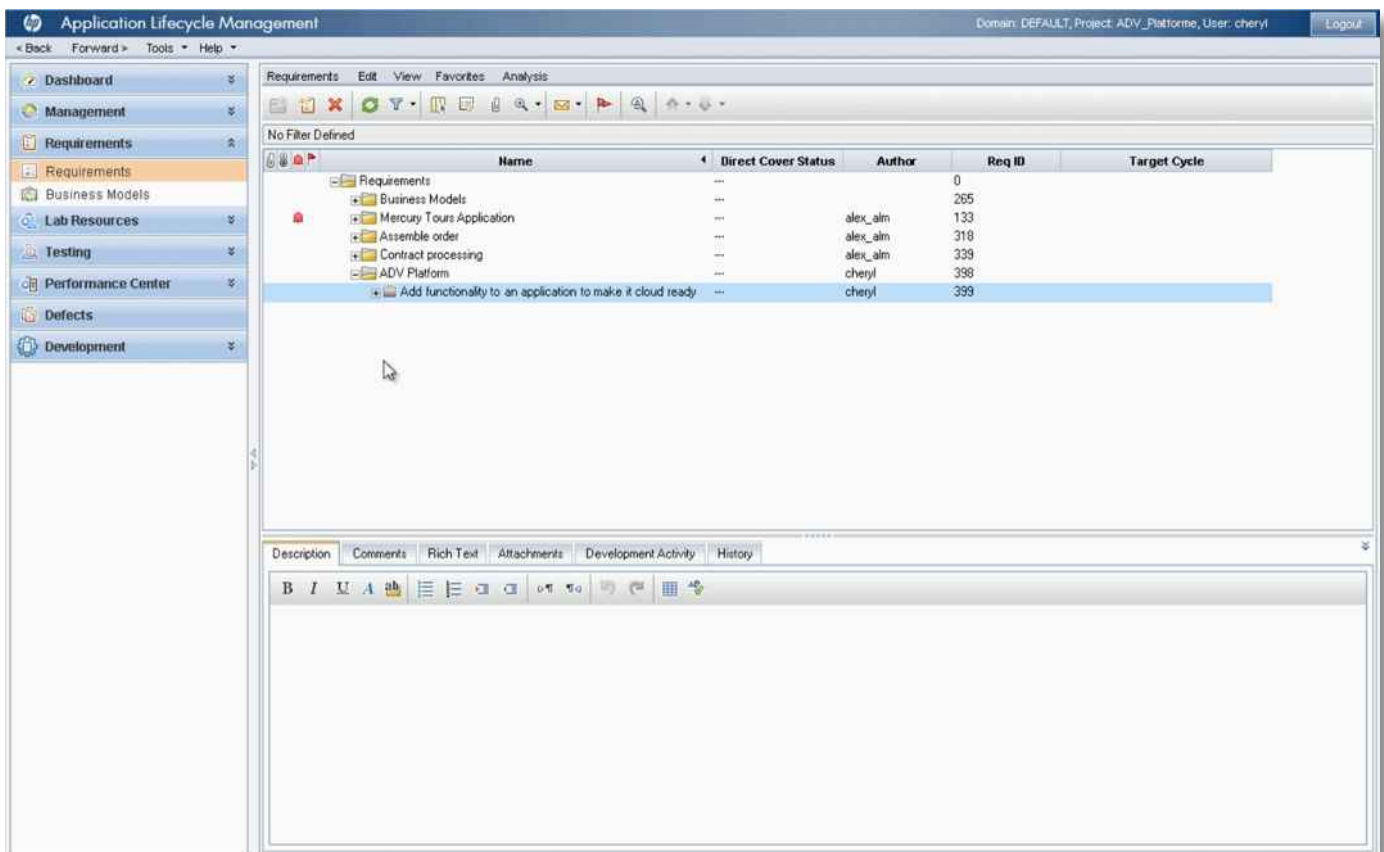
Challenges

- Aligning IT value and strategy to the business goals
- Defining and demonstrating continual improvement in terms of delivery, costs, risk and quality
- Reporting on IT metrics in business terms





Cheryl is the Functional Architect. She adds a requirement in **HP ALM** to add functionality to an application to make it cloud ready.



Benefits

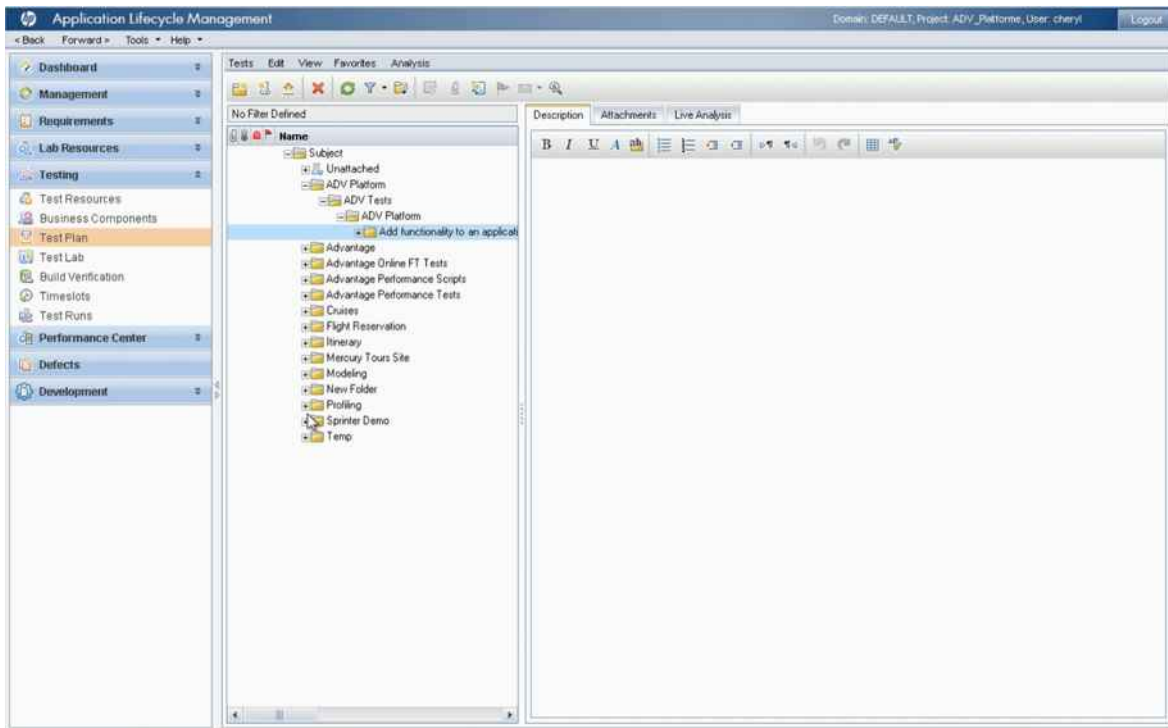


Benefits

- Encourage widespread adoption through ease of use
- Provide a single point of truth for both visual and textual requirements

Cheryl also defines in the **HP ALM Test Module** a set of manual test steps to ensure the quality of the product after the change:

- Manual steps to test for the Mobile interface
- Manual steps to test for the web interface
- Manual test for the new Cloud API



- Collaborate with stakeholders to make sure the right requirements are captured
- Trace the links between requirements and other development assets
- Enforce standardization for consistency and quality



Value Proposition

A single view of requirements for all stakeholders



Eddie is the Team Leader. Since it is a production application and customer satisfaction is very low because of the current issues, Eddie decided to drop a couple of low priority requirements and focus on the new requirements.



Benefits



Key Differentiators

HP Requirements Management provides a comprehensive solution for defining, managing, and tracking software requirements.

Then he goes to the requirements module in HP Application Lifecycle Management and assigns the new requirements to Release 10.2.



Name	Target Release	Priority	Direct Cover Status	Author	Creation Date	Req ID	Target Cycle
Requirements					05-Oct-06	0	
Business Models					03-Jul-10	265	
Mercury Tours Application				alex_alm	22-Jan-09	133	
Assemble order		1-Low		alex_alm	03-Jul-10	318	
Contract processing				alex_alm	04-Jul-10	339	
ADV Platform				cheryl	01-May-13	388	
Add functionality to an application to make it cloud ready	Release 10.2	4-Very High		cheryl	01-May-13	389	
Mobile interface	Release 10.2	4-Very High	No Run	cheryl	01-May-13	400	
Web interface	Release 10.2	4-Very High	No Run	cheryl	01-May-13	401	
Improve security of Cloud	Release 10.2	4-Very High	Not Covered	eddie	16-May-13	403	
Cloud API	Release 10.2	4-Very High	Not Covered	cheryl	20-May-13	405	



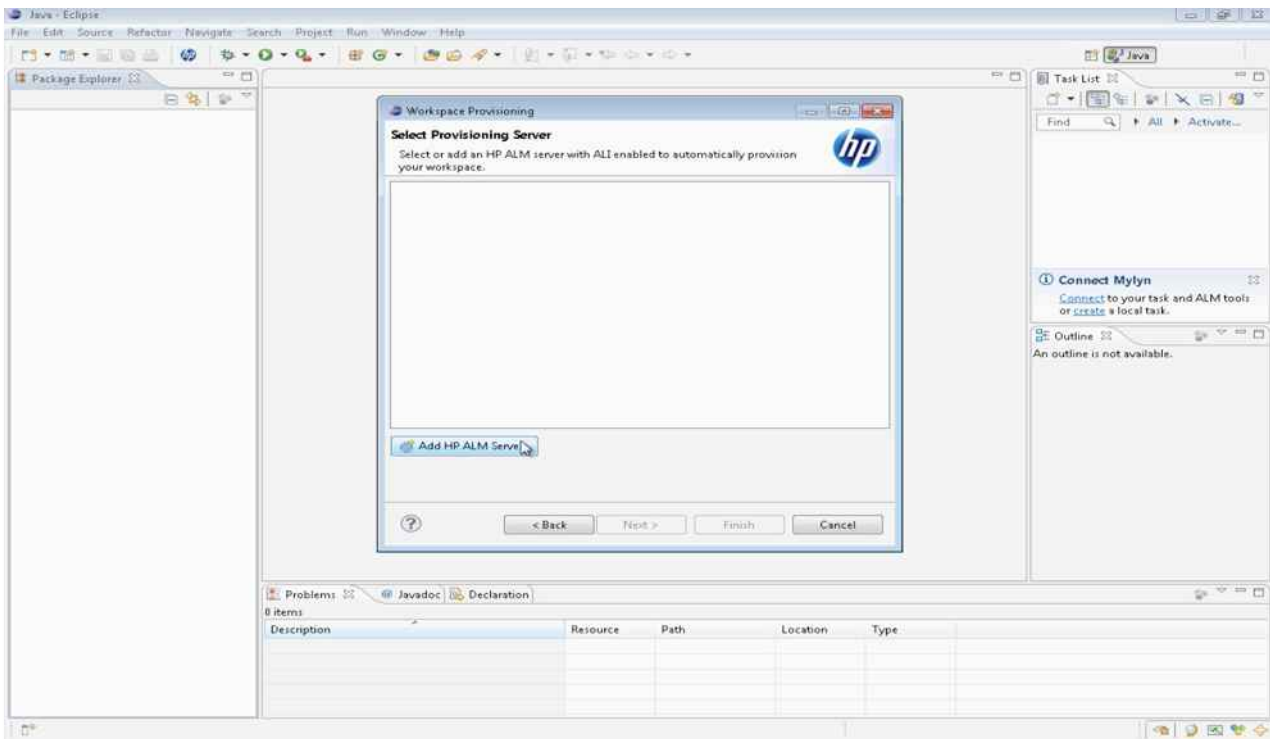
Take Aways

Better requirements definition and management, leads to better business outcomes

Eclipse + HP ALI DEV plug-in // ALI plug-in tasks



Ben is a developer and uses Eclipse as his IDE. As a new member of the team, he needs to set his development environment such as provision his workspace. He is using **HP ALI DEV plug-in** for Eclipse to automatically provision his workspace.



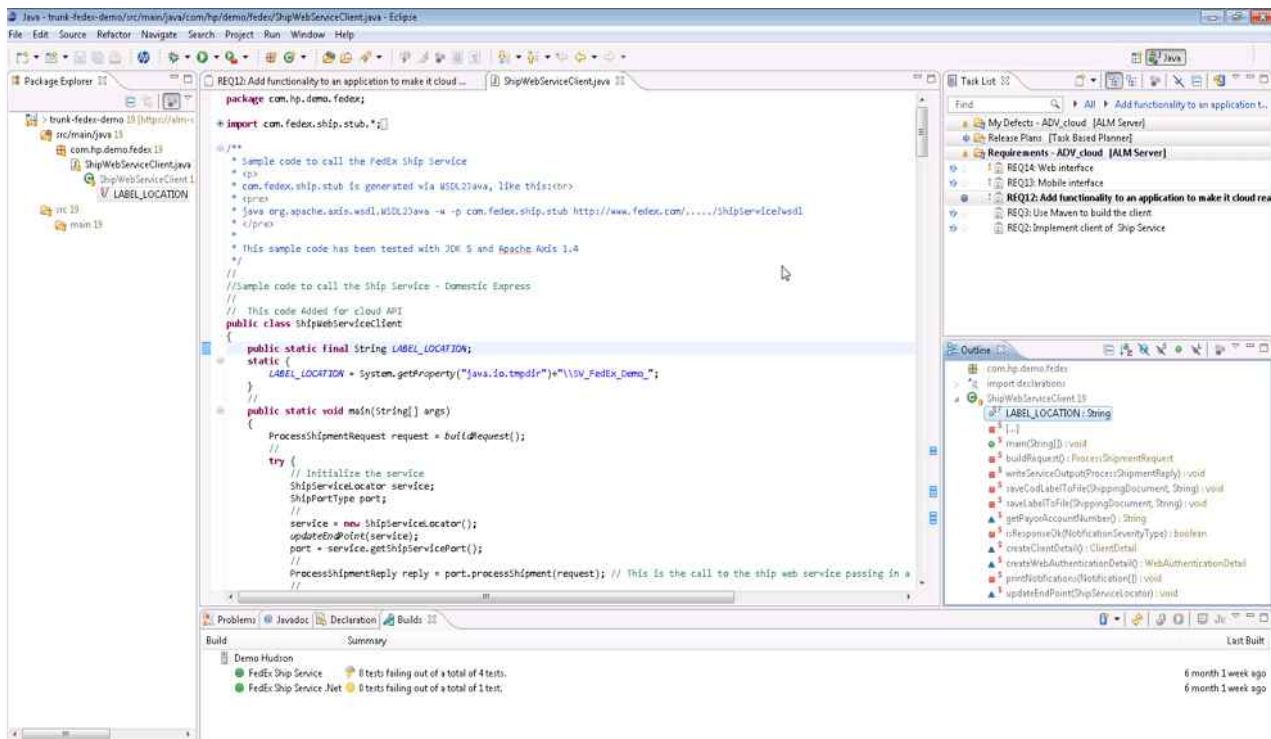
Benefits



Key Differentiators

- Tighten collaboration between QA and development teams
- Provide predictability based on risk, stability, quality, and health metrics

Within a minute his workspace is ready, his source code checked out, and he can see his HP ALM requirements directly in Eclipse. All set, Ben is ready to start the implementation.



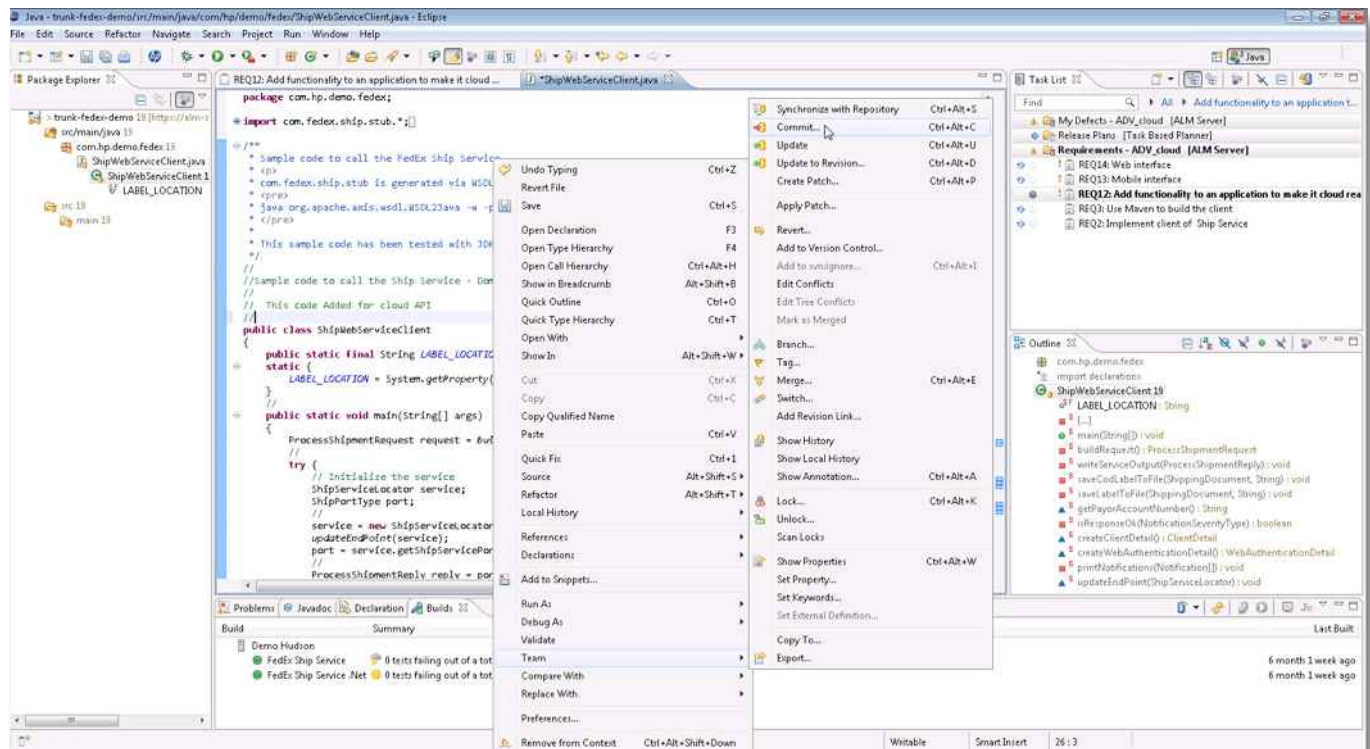
- Easily visualize change impact and make critical decisions confidently
- Smooth the transition of new applications into production



Take Aways
Gain insight and collaboration and faster decisions

Eclipse + HP ALI DEV plug-in // ALI plug-in tasks

After adding the new APIs for the cloud, Ben commits the change to his Source Code Repository (SCM).



Benefits



Key Differentiators

- Provides valuable project data directly within the IDE
- Seamlessly tracks development assets against managed work items such as defects and requirements.

The HP ALI DEV plug-in keeps track of all code changes that are related to the particular requirement. These changes can be later reviewed in the requirement module of HP ALM.



The screenshot displays the HP Application Lifecycle Management (ALM) interface. The main window shows a list of code changes with columns for Date/Time, Revision, Developer, Files, Lines, Message, and Status Message. A diff view is open, showing the differences between two versions of a file. The diff view includes a table with File Operation, Diff To Previous, and File Path. The diff view also shows the code changes in a side-by-side comparison format.

Date/Time	Revision	Developer	Files	Lines	Message	Status Message
15-Aug-12 5:26:11	2	VisualSVN Server	1	0	Created folder 'fedex-demo'.	Encountered 'Created' while expecting one of fixing defect, defect, fixing de...
15-Aug-12 6:47:59	3	alex_alim	8	363	implementing requirement #2: the client	
15-Aug-12 6:48:55	4	alex_alim	7	42	implementing requirement #4: the unit tests	
15-Aug-12 7:12:56	5	alex_alim	3	5561	implementing requirement #3: build using maven (stubs are generated from w...	
15-Aug-12 7:24:22	6	alex_alim	2	13	implementing requirement #5: eclipse classpath	
15-Aug-12 7:49:11	7	alex_alim	3	50		
15-Aug-12 9:00:34	8	alex_alim	2			
15-Aug-12 10:53:52	9	alex_alim	2			
12-Sep-12 7:21:35	10	alex_alim	1			
12-Sep-12 7:40:39	11	alex_alim	20			
12-Sep-12 7:59:49	12	alex_alim	9			
22-Apr-13 2:49:06	13	alex_alim	1			
30-Apr-13 5:15:40	14	alex_alim	1			
05-May-13 3:13:46	15	alex_alim	1			
05-May-13 5:06:42	16	alex_alim	1			
05-May-13 7:14:38	17	alex_alim	1			
05-May-13 7:17:48	18	alex_alim	1			
05-May-13 7:20:33	19	alex_alim	1			

File Operation	Diff To Previous	File Path
Modified	View Changes	/trunk/fedex-dem...
Modified	View Changes	/trunk/fedex-dem...

```

39      Assert.assertEquals
40      (detail.getUserCredential().getKey(),
41      key);
42
43      Assert.assertEquals
44      (detail.getUserCredential().getPassword(),
45      password);
46
47      ClientDetail detail =
48      ShipWebServiceClient.createClientDetail
49      (detail.getAccountNumber(),
50      "510007720");
51
52      Assert.assertEquals
53      (detail.getMeterNumber(),
54      "118542640");
55
56      final String accountNumber =
57      "20101021";
58      final String meterNumber =
59      "19651170";

```

The build runs overnight.



Value Proposition

- Bring development activities and work products into the ALM workflow.
- Better understand real progress and impact of changes



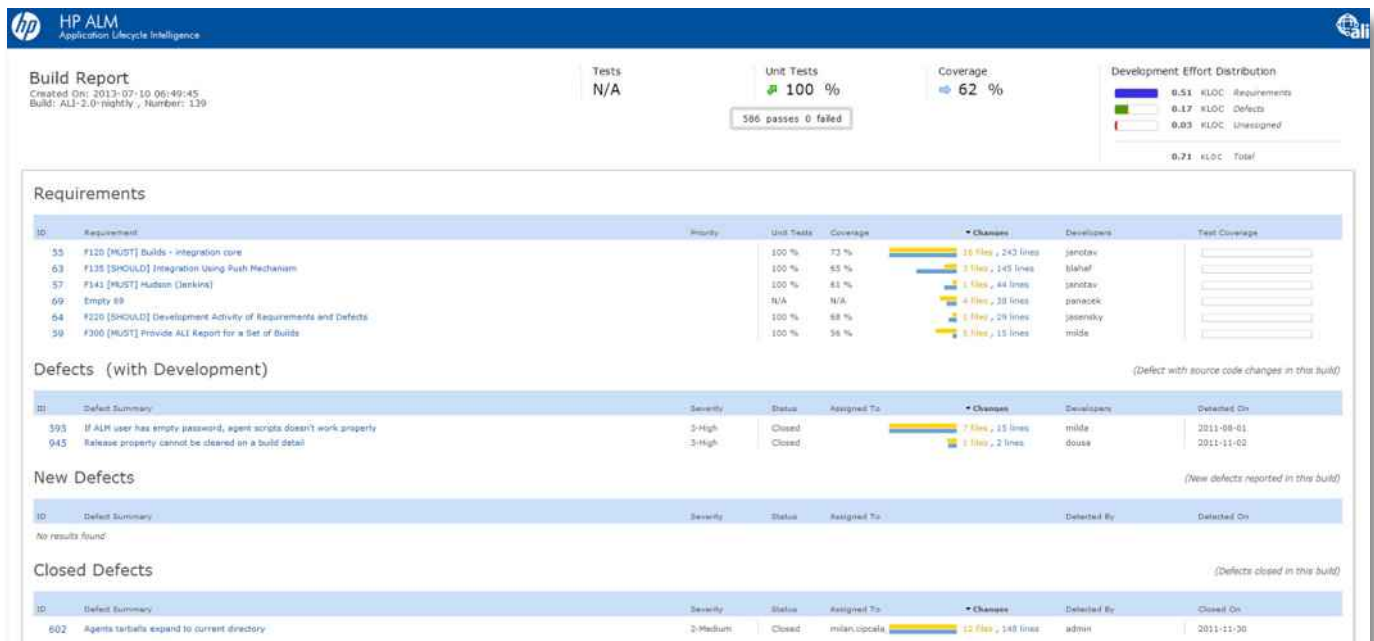
Eddie the Team Leader checks the ALI build report and notices that the tests are passing and build including the Cloud APIs is well covered by unit tests.

Benefits



Key Differentiators

Quality and more effectively deploy resources during the project



Value Proposition

Shift the balance: free up resources to deliver faster and transform your enterprise

Use case #1 - QA Team

Traditional Application Development Waterfall approach



Ingrid Borge
QA Manager



Linda Howard
Manual Tester



Stella Watkins
Test Automation
Engineer



Gus Hoffman
Performance
Automation Engineer



Lillian Fredo
QA Tester



Cheryl Wilson
Functional Architect



Use case #1 - QA Team

Traditional Application Development

Waterfall approach

The HP Application Lifecycle Management is designed for project planners, developers, QA testers and almost every function which takes part in the process of the project.

The request for planning, designing or modifying an application often comes from the customer. Customer satisfaction is one measure which can be examined on the HP Executive Scorecard. When detecting dissatisfaction, the project manager can analyze the case and recommend project handling according to different project functions and team members.

Challenges

Application teams are pushed for speed to deliver applications to an ever impatient and empowered business user while also maintaining and modernizing existing applications.

Yet while speed is important, quality is impacting the bottom line as never before. This is the new imperative for IT: Achieve velocity and quality

Use case workflow

Examining the ALI Build report to determine focus of work



Connecting to HP Sprinter with HP ALM and accessing tests



Running tests and reporting defects using HP Sprinter features



Automating tests on HP Unified Functional Testing. Tests are saved on HP ALM Repository



Developing performance scripts for the HP Performance Center



Running the HP Build Verification Suite and HP Unified Functional Testing tests to verify the new build and ensure functionality



Checking the HP Build Verification Suite test status



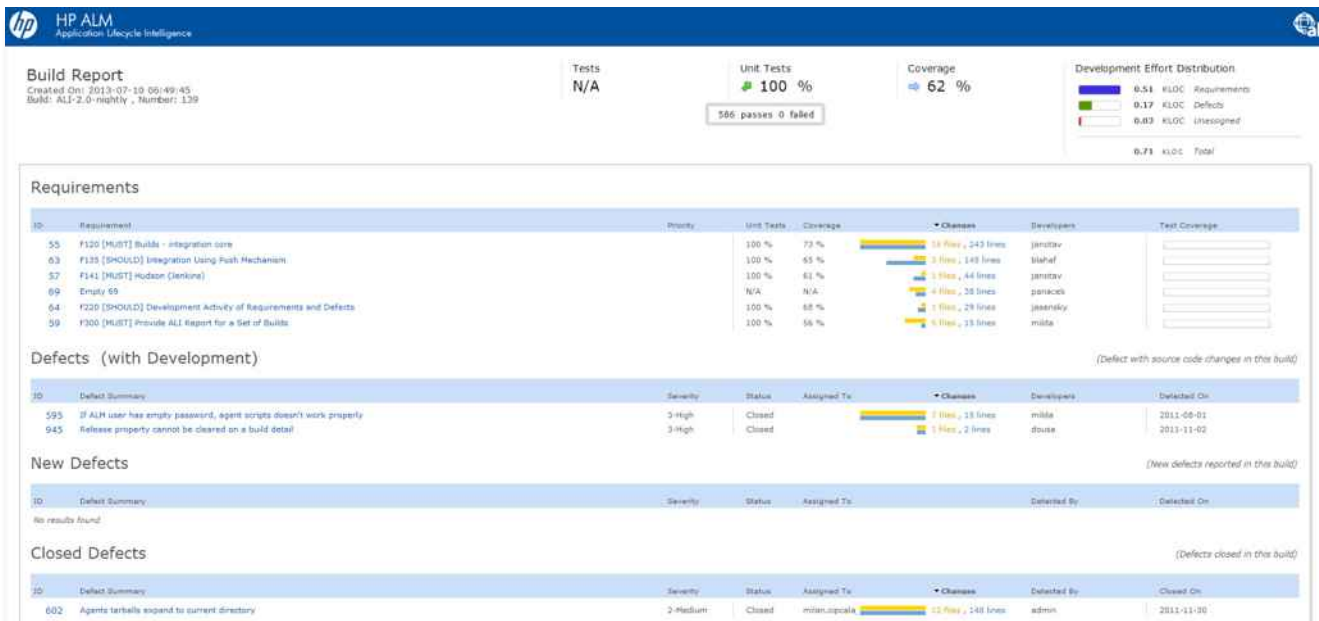
Reviewing the HP ALM Analysis report and verifying build is ready for production

Products

- HP ALI
- HP ALM-Test & Defect modules
- HP Sprinter
- HP Unified Functional Testing
- HP Performance Center
- HP Lab Management Automation



Ingrid the QA Manager uses the ALI Build report to determine which areas in the products the team need to test and keep being focused on the areas in the product with high risk.



Benefits



Key Differentiators

- Accurately understand what was changed and deploy test resources more effectively
- Align test effort to target the highest risk areas in your application

In the team meeting she asks the team to focus and put a lot of attention on requirements / tests that are associated with many lines of code.



Value Proposition

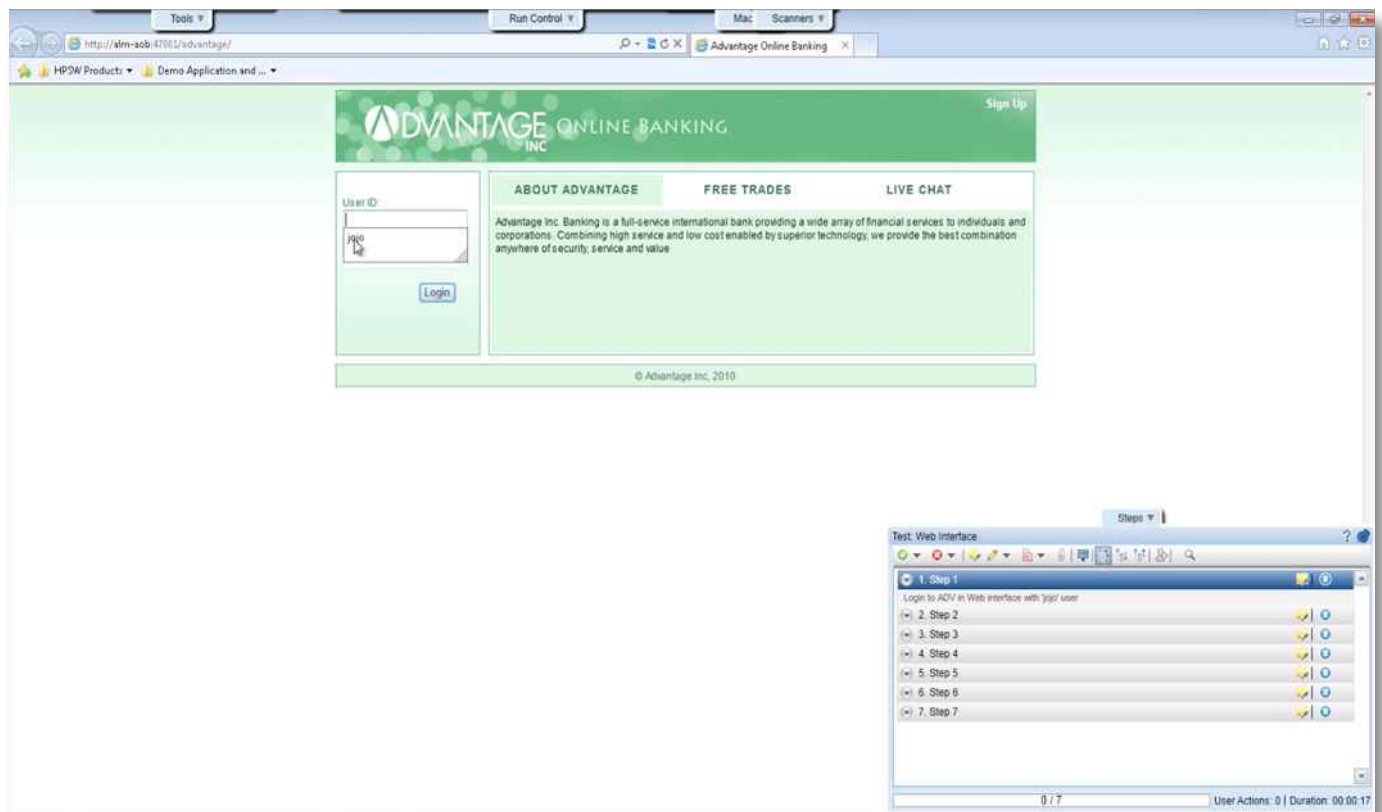
Shift the balance: free up resources to deliver faster and transform your enterprise

HP Sprinter 11.51 & HP ALM //

HP ALM-Test & Defect modules / HP Sprinter test Execution



Linda is the Manual Tester. She connects with **HP Sprinter** to HP ALM to access her tests. She runs the tests and reports a few defects using **HP Sprinter** features (Annotations, Smart Defect, etc)



Benefits



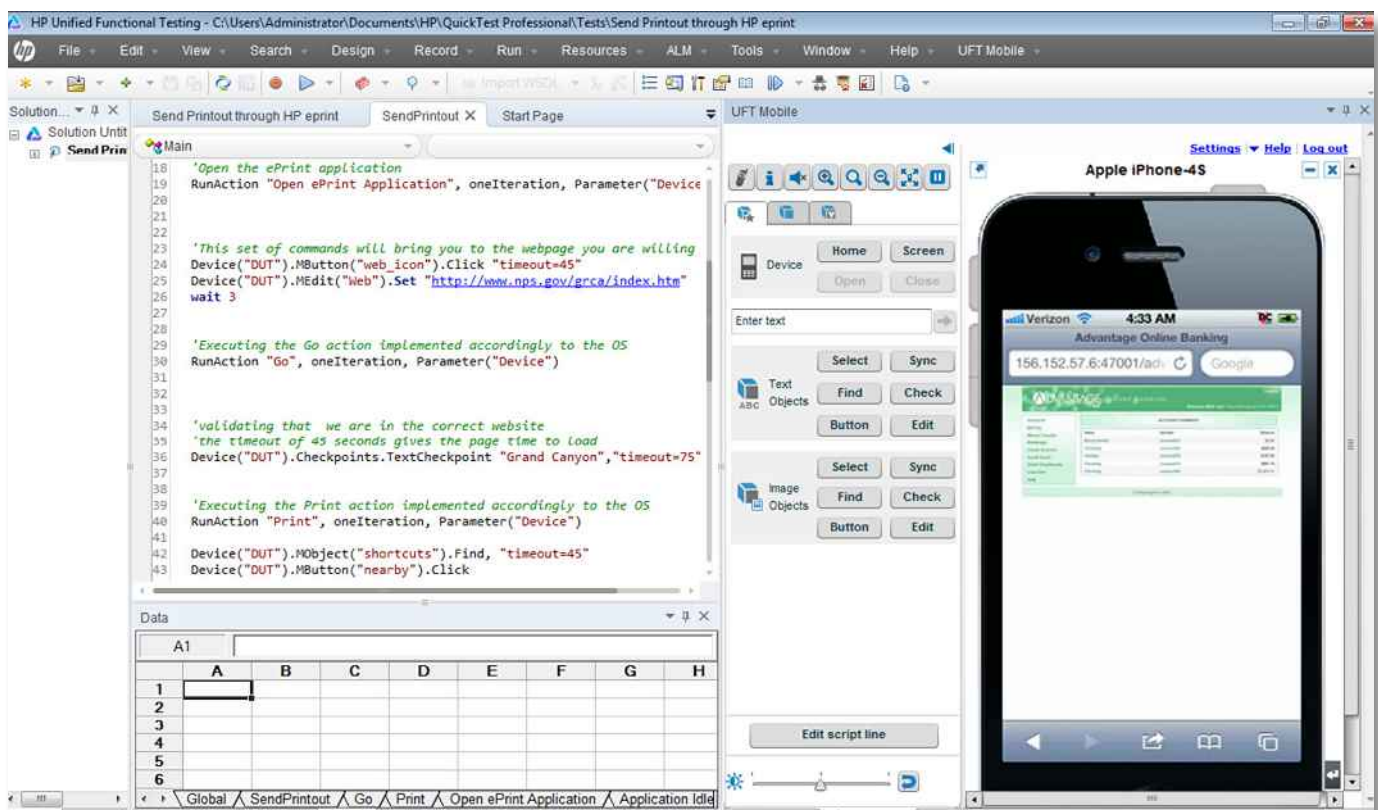
Key Differentiators

- Intuitive Tests Authoring including rich design capabilities
- Data injection minimizes data entry time and errors



Stella the Test Automation Engineer uses **HP Unified Functional Testing** to automate some of the tests. She is responsible for all automation in the team, which includes test development and test maintenance.

The tests are saved in the HP ALM repository.



- Execute in parallel across multiple machines for increased environment coverage
- Auto-generated smart documentation improves communication with developers

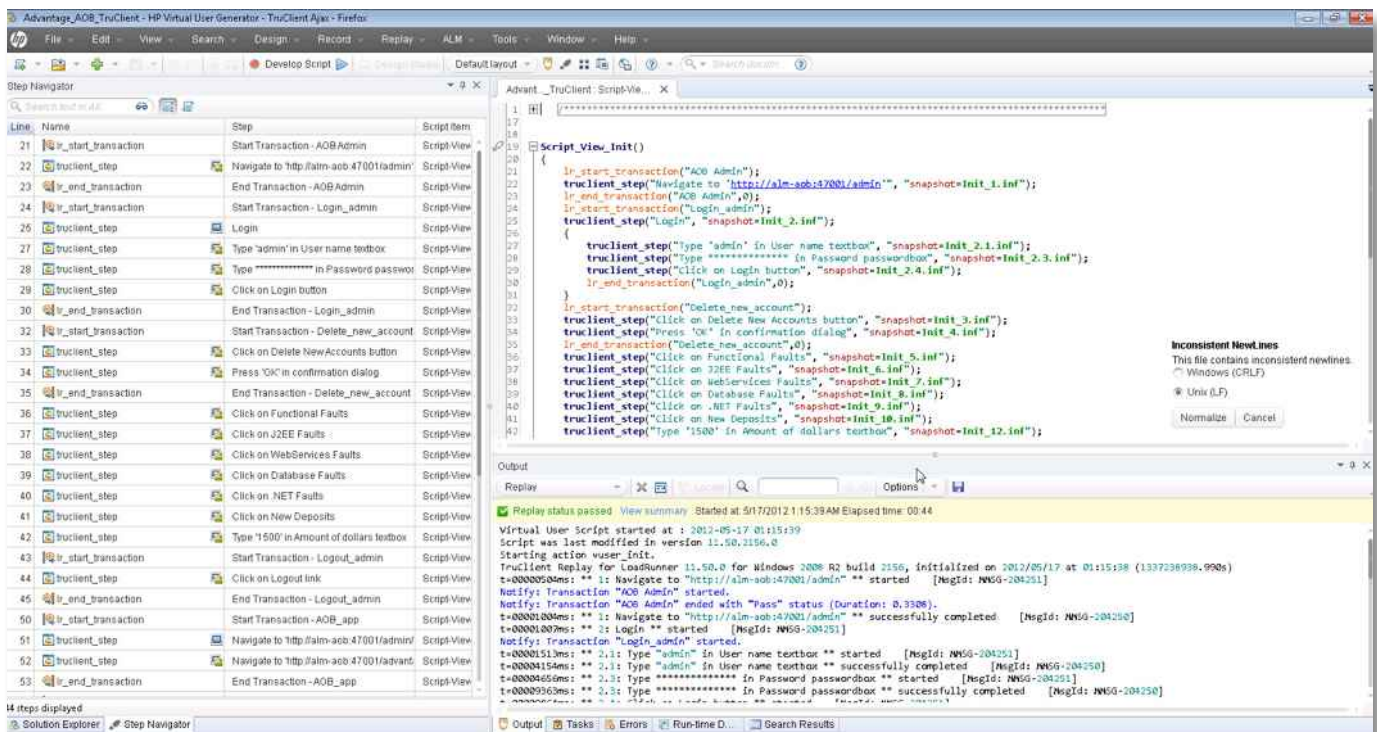


Value Proposition

Significantly increase the efficiency of the manual tester



Gus is the Performance Automation Engineer.
He develops performance scripts for the
HP Performance Center.



Benefits



- Ensure consistent and efficient deployment of test labs
- Enable the team to validate quality faster, more often, and automatically



Lillian, the QA Tester uses HP ALM to run the Build Verification Suite to ensure that there were no regressions in the new build. She is using **HP ALM Lab management** which includes functional testing and performance testing.

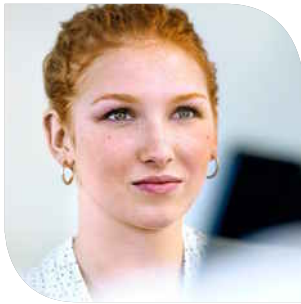


The screenshot shows the HP ALM Lab Management interface. The left sidebar contains navigation links: Dashboard, Management, Requirements, Lab Resources, Testing, Performance..., Defects, and Development. The main area displays a table of lab resources with the following data:

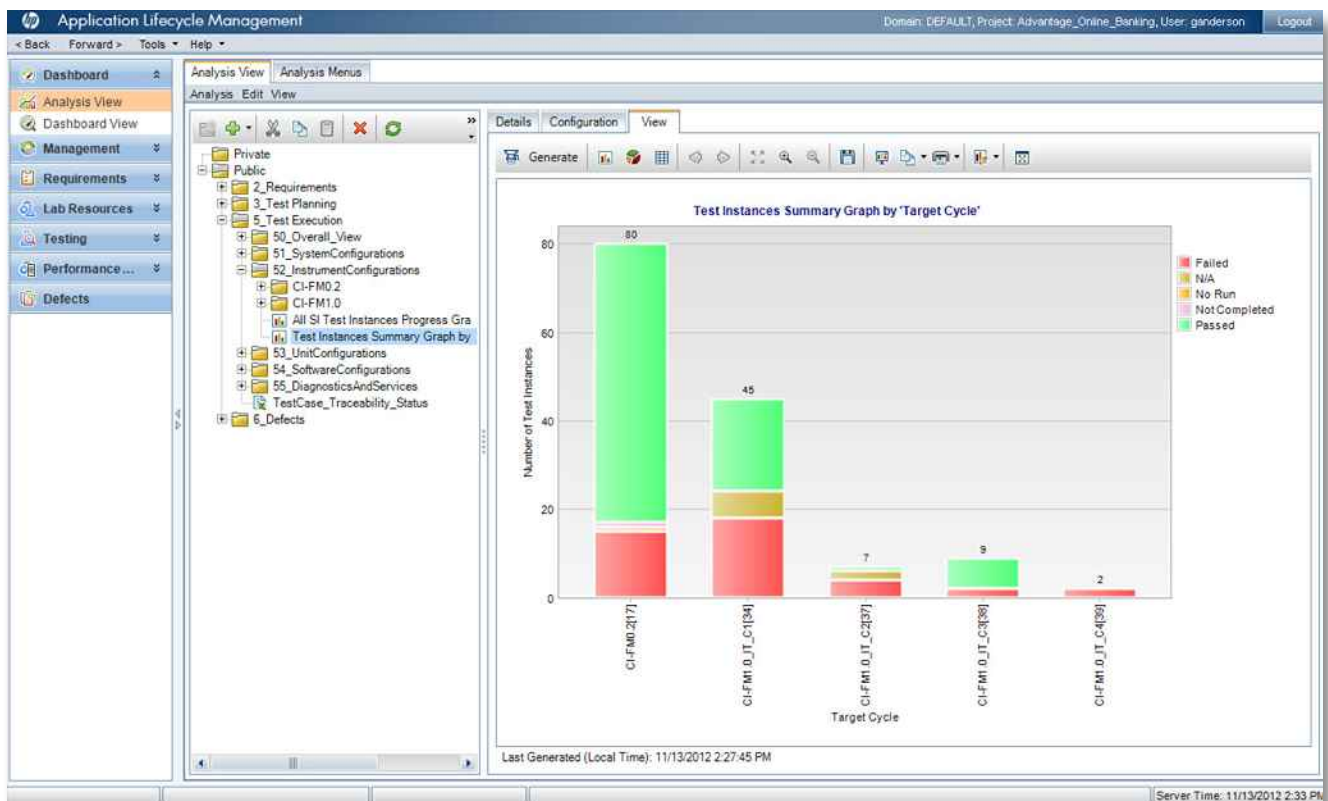
Name	Status	Registration...	Purpose	Location	Host Attributes	Priority	Host State	Username	Last Poll Time
ALM-LAB1	Operational	Registered	Quick Test Pro...	Default		5	Idle		5/16/2013 7:34:3...
ALM-LAB2	Operational	Registered	Quick Test Pro...	Default		5	Idle		5/16/2013 7:34:3...
ALM-LTS2	Operational		Controller Data P...	Default		5	Idle		
ALM-LTS3	Operational		Controller Data P...	Default		5	Idle		
ALM-LTS1	Operational		Controller Data P...	Default		5	Idle		

The HP Build Verification Suite includes HP Unified Functional Testing tests sets to ensure functionality.





Cheryl the Functional Architect reviews the HP ALM Analysis report and verifies that the build is ready for production.



Benefits



Key Differentiators

- Plan and track projects and releases from a single dashboard for predictability
- Manage and create traceability between requirements, tests, defects, code changes, and build management system tasks
- Unify functional, performance, security, and quality management
- Increase visibility with milestones and KPIs to better align business and IT
- Allow testing teams to provision and deploy a test lab themselves in a hybrid delivery environment
- Support Dev Ops by bringing development, testing, and operations teams closer together



Value Proposition

HP's suite of Complete Application Lifecycle Management solutions are designed to allow your team to take control of the application lifecycle while investing your limited resources in the highest priorities and increasing velocity of delivery -- without sacrificing quality or performance.



Take Aways

Master the Application Lifecycle

Use case #2

Modern Application Development Agile approach



Gina Anderson
Product Owner



David Spiegel
Scrum Master



Thomas Hadorn
Developer
(Team Member)



Team Members



Anna Anthony
Manual Tester



Use case #2

Application Development – Agile approach

Challenges

- Drive faster decision making and time to release: with Agile team analytics & insight
- Reduce cycle time: ensure Dev and Test stay in sync with integrated test automation
- Improve product experience: deliver positive user experience, quality and business results

Products

- HP Application Lifecycle Management
- HP Agile Manager
- HP ALI DEV plug-in
- HP Sprinter

Use case workflow



HP Agile Manager // Product Backlog



Gina the Product Owner logs in to HP Agile Manager and adds a new User Story, as below:



HP Agile Manager

Home **Product Backlog** Release Management Defect Management Builds Source Code

Themes Features **Backlog**

Backlog
Backlog Items View | Group Stories View

+ Add Item X Delete Planning Set Feature More Actions Clear Filters Refresh Favorites: Select Favorite Columns

Blocked	Rank	Type	ID	Name	Assigned To	Story Points	Status	Release	Theme
<input type="checkbox"/>	1	Story	1478	As a site administrator, I should be able to enter a new album...	Alex Losovsky	4	Done	HP Media Store 2.0	Music Store
<input type="checkbox"/>	2	Story	1479	As a site administrator, I should be able to delete an album...	Kelly Slater	6	In Testing	HP Media Store 2.0	Music Store
<input type="checkbox"/>	3	Story	1480	As a site administrator, I should be able to add an album co...	Peter Wayne	10	Done	HP Media Store 2.0	Music Store
<input type="checkbox"/>	4	Story	1481	As a user, I can search for an album by entering the artist s...	Cecil Dunn	6	Done	HP Media Store 2.0	Music Store
<input type="checkbox"/>	5	Story	1482	As a user, I can search for an album by entering the artist s...	Robert Plant	2	In Testing	HP Media Store 2.0	Music Store
<input type="checkbox"/>	6	Story	1483	As a user, I can search for an album by selecting the genre/...	Michael Parker	8	Done	HP Media Store 2.0	Music Store
<input type="checkbox"/>	7	Story	1484	As a user, I can select to play a preview of the selected son...	Alice Miller	6	Done	HP Media Store 2.0	Music Store
<input type="checkbox"/>	8	Story	1485	As a user, I can select to play a preview of the selected son...	Mary Jane	8	Done	HP Media Store 2.0	Music Store
<input type="checkbox"/>	9	Story	1486	As a user, I can select to play a preview of the selected son...	James Horner	2	In Testing	HP Media Store 2.0	Music Store
<input type="checkbox"/>	10	Story	1487	As a user, I can select a song and add it to the shopping cart...	Alex Losovsky	4	In Testing	HP Media Store 2.0	Music Store
<input type="checkbox"/>	11	Story	1488	As a user, I can select an album and add it to the shopping...	Paul Weiler	2	Done	HP Media Store 2.0	Music Store
<input type="checkbox"/>	12	Story	1489	As a user, I can purchase a song with a 1-click to buy option...	Tom Gibbons	6	Done	HP Media Store 2.0	Music Store
<input type="checkbox"/>	13	Story	1490	As a user, I can purchase an album with a 1-click to buy op...	Alex Losovsky	8	Done	HP Media Store 2.0	Music Store
<input type="checkbox"/>	14	Story	1491	As a site administrator, I can enter a new movie in the movi...	Kelly Slater	6	Done	HP Media Store 2.0	Movie Store
<input type="checkbox"/>	15	Story	1492	As a site administrator, I can delete a movie from the movi...	Peter Wayne	2	Done	HP Media Store 2.0	Movie Store
<input type="checkbox"/>	16	Story	1493	As a site administrator, I can add a movie cover from an ext...	Cecil Dunn	2	Done	HP Media Store 2.0	Movie Store
<input type="checkbox"/>	17	Story	1494	As a user, I can search for a movie by entering the actors f...	Robert Plant	6	Done	HP Media Store 2.0	Movie Store
<input type="checkbox"/>	18	Story	1495	As a user, I can search for a movie by entering the actors u...	Michael Parker	2	In Testing	HP Media Store 2.0	Movie Store
<input type="checkbox"/>	19	Story	1496	As a user, I can search for a movie by selecting the genre/g...	Alice Miller	2	Done	HP Media Store 2.0	Movie Store
<input type="checkbox"/>	20	Story	1497	As a user, I can select to play the selected movie trailer in I...	Mary Jane	2	Done	HP Media Store 2.0	Movie Store
<input type="checkbox"/>	21	Story	1498	As a user, I can select to play the selected movie trailer in C...	James Horner	2	Done	HP Media Store 2.0	Movie Store
<input type="checkbox"/>	22	Story	1499	As a user, I can select to play the selected movie trailer in F...	Alex Losovsky	6	In Testing	HP Media Store 2.0	Movie Store
<input type="checkbox"/>	23	Story	1500	As a user, I can select a movie and add it to the shopping cart...	Paul Weiler	2	Done	HP Media Store 2.0	Movie Store

Planning: Releases
1/1 Releases

HP Media Store 2.0
Mar-12-2013 - Jul-30-2013
583/580 Story Points Planned (100%)
120 user stories: 215 Defects

Since the customer's satisfaction is very low (because of the current issue), she assigns it to the current release and gives the story high priority.

As Product Owner, Gina wants to be sure that the team is going to develop exactly what the customer wants to have, therefore she adds 4 user acceptance criteria to the User story.

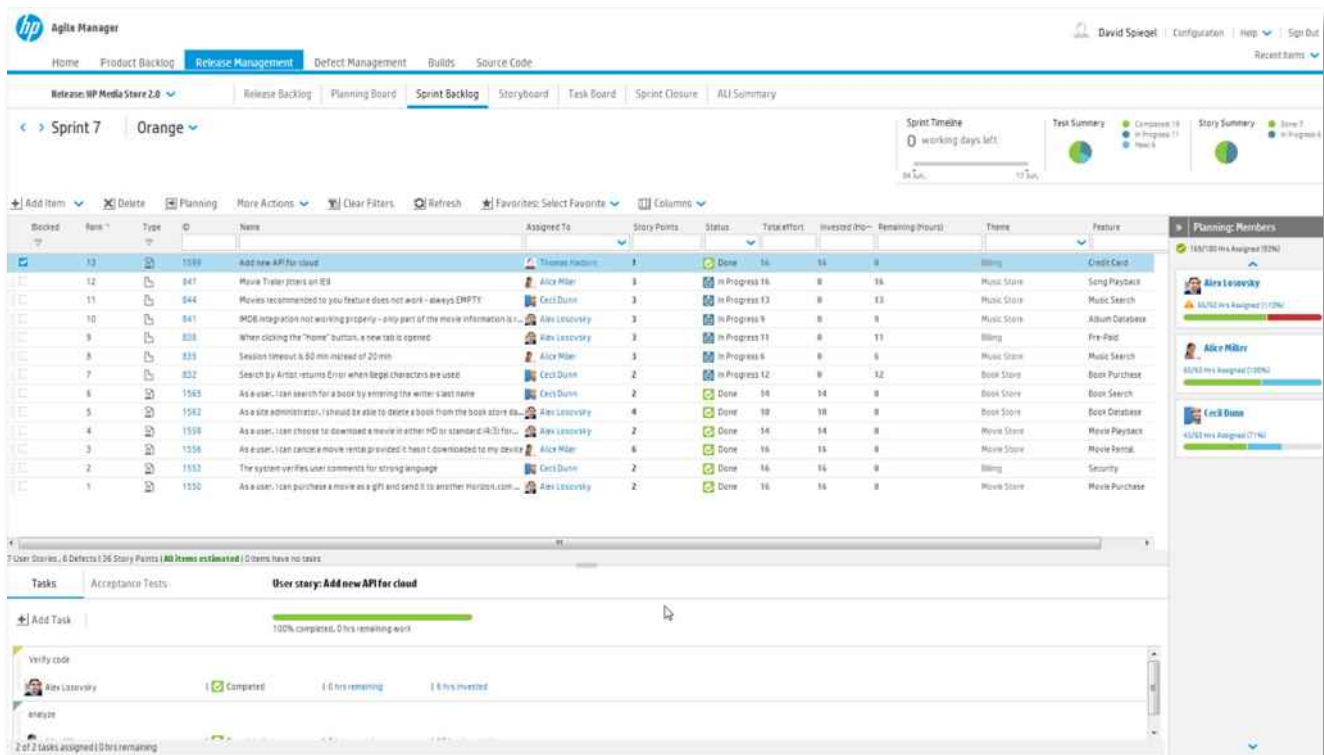


The screenshot displays the HP Agile Manager interface for Sprint 7. The main view is the Task Board, which is organized into columns: New, In Progress, and Completed. The 'New' column contains four items, each with a 'verify' task. The 'In Progress' column contains four items, each with 'analyze' and 'fix' tasks. The 'Completed' column is empty. The interface includes a top navigation bar with 'Agile Manager' and 'Gina Anderson' logged in. A sidebar on the left shows 'Release: HP Media Store 2.0' and 'Sprint 7' details. A search bar and filters are also visible.

Backlog Item	New	In Progress	Completed
Status: 0% In Progress	verify (Alice Miller)	analyze (Alex Losovsky), fix (Cecil Dunn)	
Defect: ID 841 IMDB integration not working properly - only part of the movie information is retrieved Status: 0% In Progress	verify (Alice Miller)	analyze (Alex Losovsky), fix (Cecil Dunn)	
Defect: ID 844 Movies recommended to you feature does not work - always EMPTY Status: 0% In Progress	verify (Alex Losovsky)	analyze (Cecil Dunn), fix (Alice Miller)	
Defect: ID 847 Movie Trailer jitters on IE9 Status: 0% In Progress	fix (Alex Losovsky), verify (Cecil Dunn)	analyze (Alice Miller)	
User Story: ID 1599 Add new API for cloud Status: 0%	Verify code	analyze	



David is the Scrum Master. During the sprint planning meeting, he goes, along with his team mates, through the backlog items and sees the newly created User Story in **HP Agile Manager**.



Sprint Backlog

Benefits



Key Differentiators

- Manage the planning with a single click

Since this item has high priority, they plan to address it in the immediate sprint. They also decide that Thomas, the most senior team member, will be in charge of this user story.



Take Aways

**Collaboration and visibility
of the tasks cross team.**



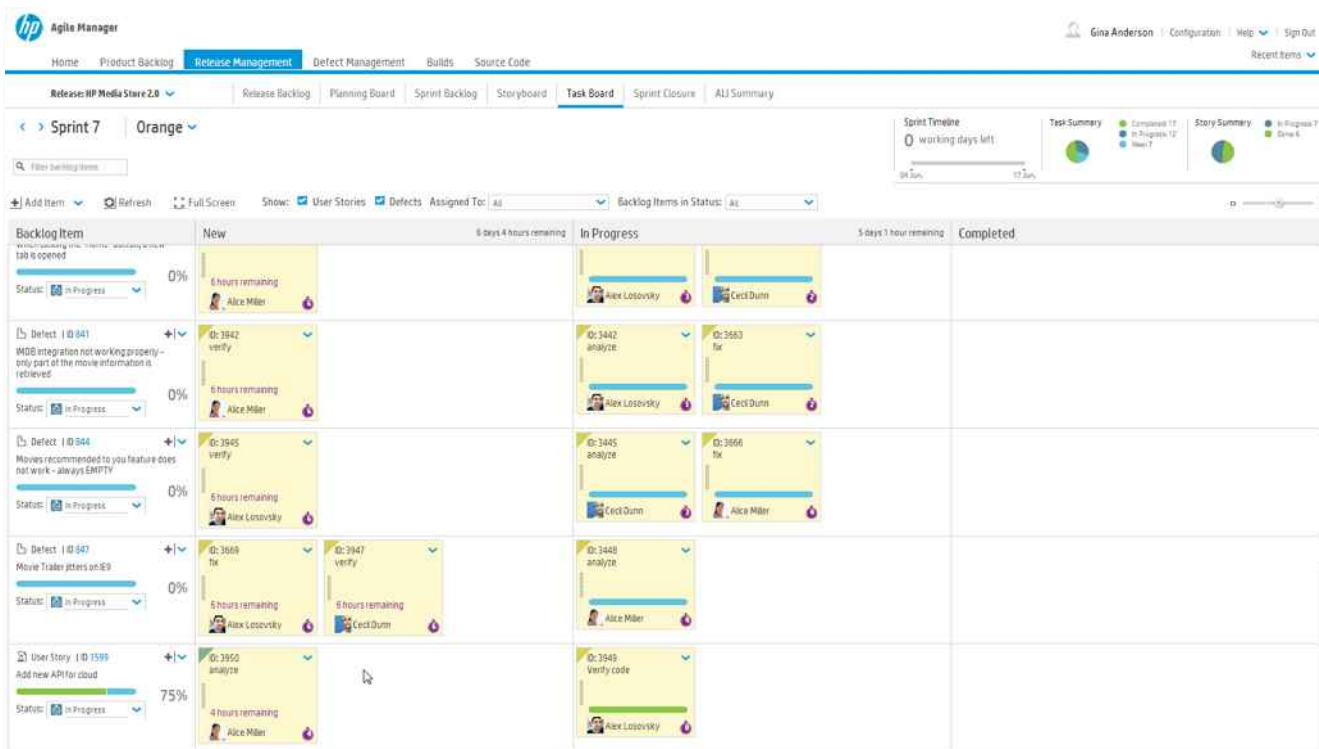
Thomas, as a Senior Team Member, needs to analyze the new User Story and breaks it into working tasks. He assigns them to himself and, after discussion with his teammates, also to other team members. He also defines a few acceptance tests verifying the user story is ready for delivery once it's implemented.



The screenshot displays the HP Agile Manager interface, specifically the Task Board for 'Sprint 2'. The top navigation bar includes 'Home', 'Product Backlog', 'Release Management' (selected), 'Defect Management', 'Builds', and 'Source Code'. The 'Release Management' section shows 'Release: Book Store 2.0' and tabs for 'Release Backlog', 'Planning Board', 'Sprint Backlog', 'Task Board' (selected), 'Sprint Closure', and 'All Summary'. The 'Task Board' view shows a 'Sprint Timeline' with '0 working days left' and a 'Task Summary' with 'Completed: 26' and 'In Progress: 3'. A 'Story Summary' shows 'Done: 7', 'New: 1', and 'In Testing: 3'. The main area is a table with columns: 'Backlog Item', 'New', 'In Progress', '2 days 1 hour remaining', and 'Completed'. The 'Backlog Item' column lists three user stories: 'Add new API for the Cloud' (0% complete, status 'New'), 'As a user, I can purchase a song with a 1-click to buy option' (100% complete, status 'Done'), and 'As a site administrator, I can delete a movie from the movie store database' (100% complete, status 'Done'). The 'Completed' column shows tasks assigned to team members: 'analyze' (Tom Gibbons), 'implement' (James Horner), 'test' (Michael Parker), 'analyze' (Peter Wayne), 'implement' (Tom Gibbons), and 'test' (Tom Gibbons).

AGM Backlog

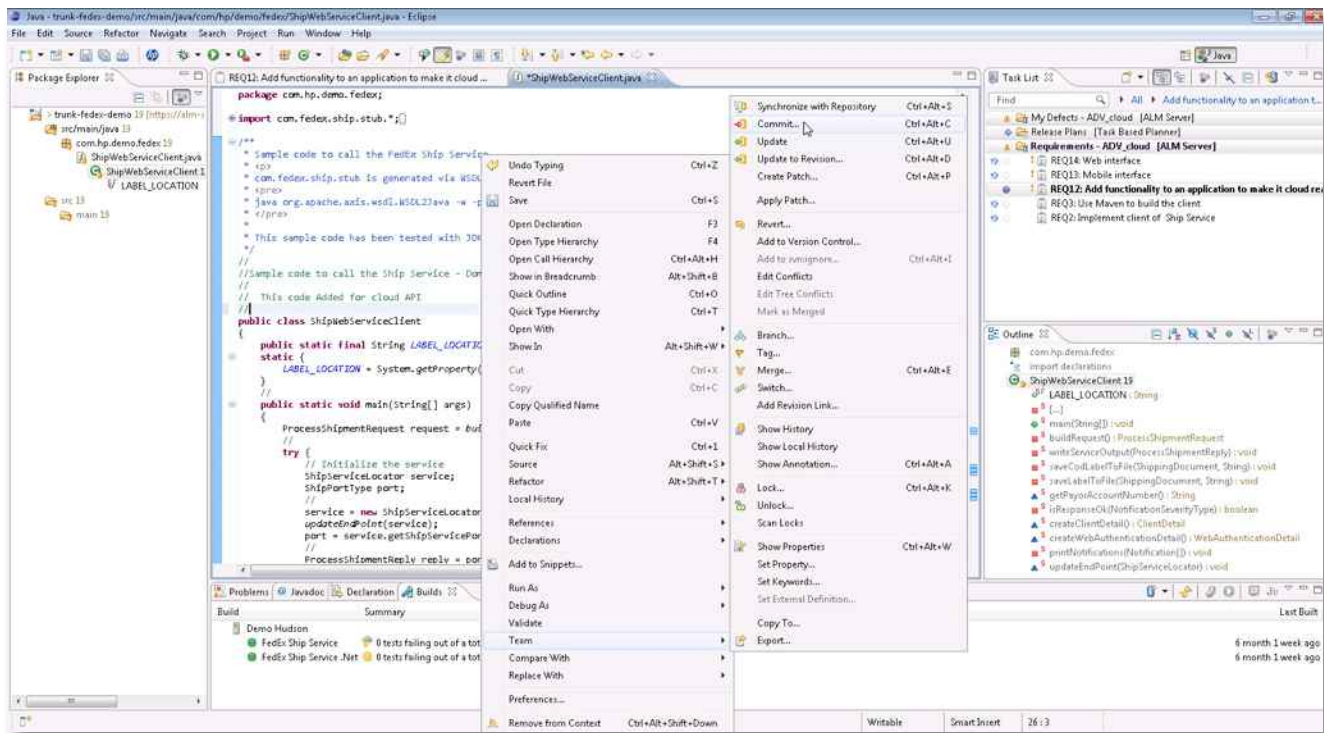
Each Team Member estimates how many hours it would take to complete the task and can use Agile Manager Taskboard to see their assigned backlog items for the Sprint, and easily update the tasks progress such as updating remaining hours, or mark the task as completed.



AGM TaskBoard

Eclipse + HP ALI DEV plug-in // ALI plug-in tasks

The tasks are synchronized from HP Agile Manager to the developer IDE via the **HP ALI DEV Plug-In** so the team members can see their tasks in their IDE (Eclipse / Visual Studio). Now the team can start coding and commit the code.



ALI DEV Plug-In

The build runs overnight.

Benefits



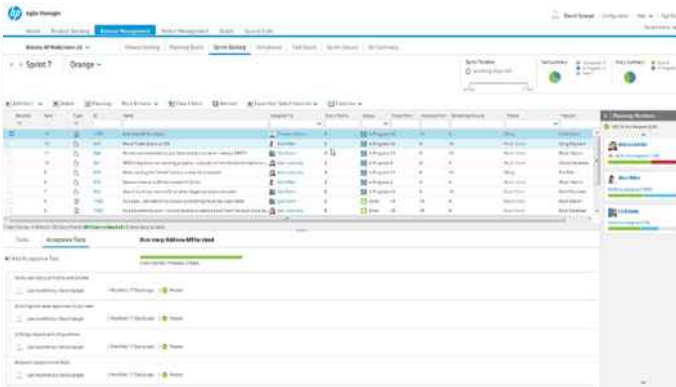
Key Differentiators

- Each task assignee can view and update his task progress in the backlog, enabling full collaboration between the team members.
- Agile synchronized to IDE via ALI Dev plug-in

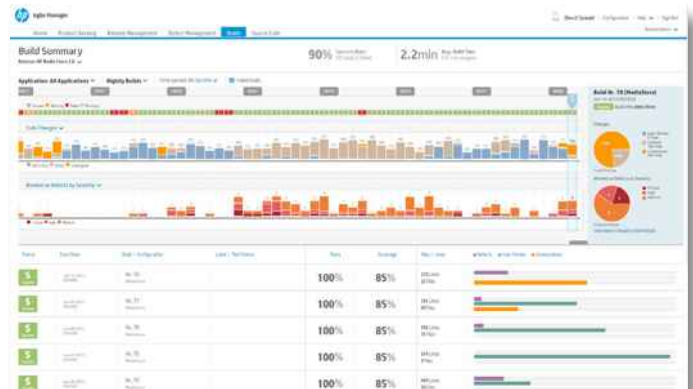
HP Agile Manager // Sprint Backlog



David approves that all planned user stories have been delivered in the Sprint according to the plan and verifies that all acceptance tests are passing; he is using Sprint backlog report for that. He also checks the ALI build report and notices that the build is well covered by unit tests.



Sprint backlog report



ALI build report

- Customized reports allows progress monitoring collecting data from multiple environments



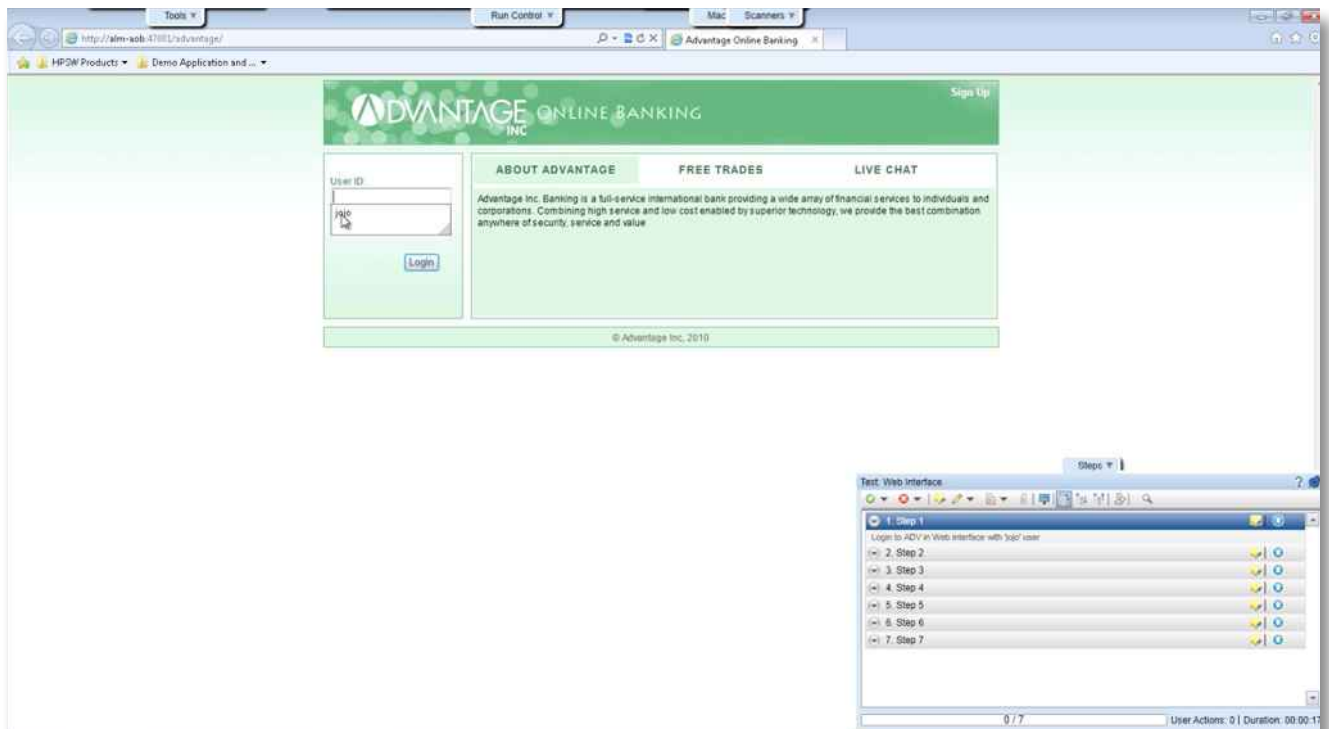
Anna, the Manual Tester, discusses with Thomas to get deep insight of the new architecture for the Cloud. She uses **HP Sprinter** to run exploratory tests to approve the quality of the new build. She finds a minor defect and uses Sprinter Smart Defects and Sprinter Annotations to report this Defect to HP ALM. Besides the minor defect, all the tests pass successfully.

Benefits



Key Differentiators

- Reduces test cycle time, creates reusable assets



ALI DEV Plug-In



Take Aways

Support for exploratory testing activities by capturing screenshots and videos

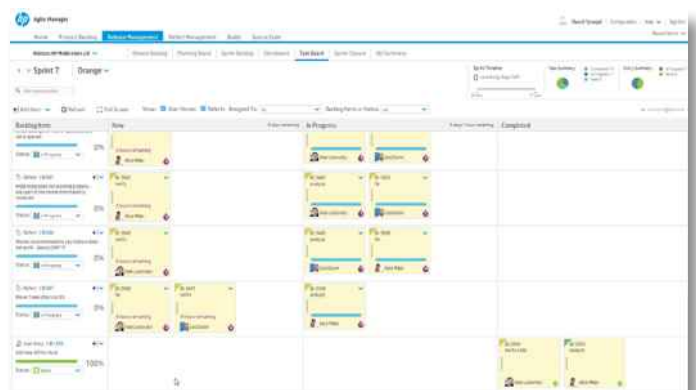
HP Agile Manager // AGM Taskboard, AGM Backlog

The test status is being automatically synchronized from HP ALM to HP Agile manager. Direct Cover Status is visible in HP Agile Manager for each User story.



ID	Name	Assigned To	Story Points	Status	Release	Theme	Feature	Application	Progress
1478	As a site administrator, I should be able to enter a new album...	Alex Losovsky	4	Done	HP Media Store 2.0	Music Store	Album Database	website core	100%
1479	As a site administrator, I should be able to delete an album fro...	Kelly Sater	6	In Testing	HP Media Store 2.0	Music Store	Album Database	website core	100%
1480	As a site administrator, I should be able to add an album cover...	Peter Wayne	10	Done	HP Media Store 2.0	Music Store	Album Database	website core	100%
1481	As a user, I can search for an album by entering the artist's fir...	Cecil Dunn	6	Done	HP Media Store 2.0	Music Store	Music Search	website core	100%
1482	As a user, I can search for an album by entering the artist's tes...	Robert Plant	2	In Testing	HP Media Store 2.0	Music Store	Music Search	website core	100%
1483	As a user, I can search for an album by selecting the genre/gen...	Michael Parker	8	Done	HP Media Store 2.0	Music Store	Music Search	website core	100%
1484	As a user, I can select to play a preview of the selected song i...	Alice Miller	6	Done	HP Media Store 2.0	Music Store	Song Playback	my mobile application	100%
1485	As a user, I can select to play a preview of the selected song i...	Mary Jane	8	Done	HP Media Store 2.0	Music Store	Song Playback	my mobile application	100%
1486	As a user, I can select to play a preview of the selected song i...	James Harrell	2	In Testing	HP Media Store 2.0	Music Store	Song Playback	my mobile application	100%
1487	As a user, I can select a song and add it to the shopping cart...	Alex Losovsky	4	In Testing	HP Media Store 2.0	Music Store	Music Purchase	my mobile application	100%
1488	As a user, I can select an album and add it to the shopping cart...	Paul Walter	2	Done	HP Media Store 2.0	Music Store	Music Purchase	my mobile application	100%
1489	As a user, I can purchase a song with a 1-click to buy option...	Tom Gibbons	6	Done	HP Media Store 2.0	Music Store	Music Purchase	my mobile application	100%
1490	As a user, I can purchase an album with a 1-click to buy option...	Alex Losovsky	8	Done	HP Media Store 2.0	Music Store	Music Purchase	my mobile application	100%
1491	As a site administrator, I can enter a new movie in the movie st...	Kelly Sater	6	Done	HP Media Store 2.0	Movie Store	Movie Database	website core	100%
1492	As a site administrator, I can delete a movie from the movie st...	Peter Wayne	2	Done	HP Media Store 2.0	Movie Store	Movie Database	website core	100%
1493	As a site administrator, I can add a movie cover from an extern...	Cecil Dunn	2	Done	HP Media Store 2.0	Movie Store	Movie Database	website core	100%
1494	As a user, I can search for a movie by entering the actors first...	Robert Plant	6	Done	HP Media Store 2.0	Movie Store	Movie Search	website core	100%
1495	As a user, I can search for a movie by entering the actors last n...	Michael Parker	2	In Testing	HP Media Store 2.0	Movie Store	Movie Search	website core	100%
1496	As a user, I can search for a movie by selecting the genre/gen...	Alice Miller	2	Done	HP Media Store 2.0	Movie Store	Movie Search	website core	100%
1497	As a user, I can select to play the selected movie trailer in IE...	Mary Jane	2	Done	HP Media Store 2.0	Movie Store	Movie Playback	my mobile application	100%
1498	As a user, I can select to play the selected movie trailer in Chrom...	James Harrell	2	Done	HP Media Store 2.0	Movie Store	Movie Playback	my mobile application	100%
1499	As a user, I can select to play the selected movie trailer in Firefox	Alex Losovsky	6	In Testing	HP Media Store 2.0	Movie Store	Movie Playback	my mobile application	100%
1500	As a user, I can select a movie and add it to the shopping cart...	Paul Walter	2	Done	HP Media Store 2.0	Movie Store	Movie Purchase	my mobile application	100%
1501	As a user, I can select to filter out results which are rated R	Tom Gibbons	2	Done	HP Media Store 2.0	Movie Store	Movie Search	website core	100%
1502	As a user, I can purchase a movie with a 1-click to buy option...	Alex Losovsky	2	Done	HP Media Store 2.0	Movie Store	Movie Purchase	my mobile application	100%
1503	As a user, I can select to download the movie directly to my m...	Kelly Sater	6	Done	HP Media Store 2.0	Movie Store	Movie Purchase	my mobile application	100%

Anna drags her tasks to the Completed tasks section.



Executive Scorecard

VP of Apps / VP of Ops



Douglas Bryant
Chief Information Officer
(CIO)



Debby Kramer
VP of Applications
(VP Apps)







After 3 months, **Douglas** notices that the customer satisfaction KPI increased and that there is increased usage of the application.





+ + + + +

010111001001110100001111010

01101

10 10 0 1100101 0100 10 1 01011

%01011100010

