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ALM Octane – Agile en testtool in 1

## Wie zijn wij?

- Rogier van der Burg  
Testtool expert Salves
- Sezen de Bruijn  
HPE Presales consultant

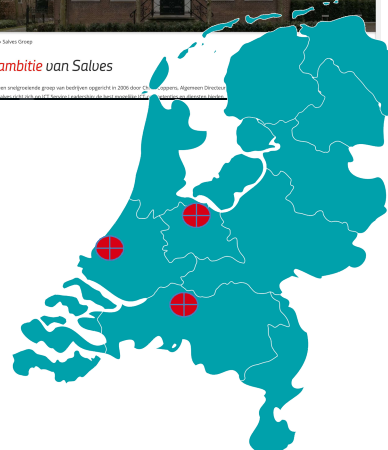
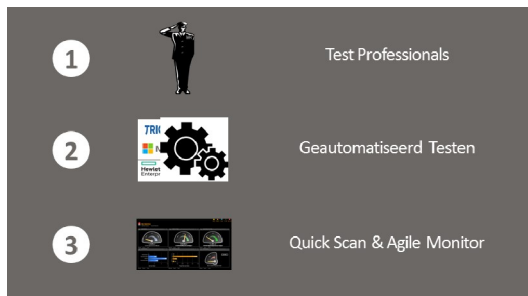


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## Wie is Salves?

- Opgericht in 2006
- 70+ Testconsultants
- Locaties in Helvoirt, Hilversum en Den Haag



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## Wie is HPE?

Entire Top 10  
of the  
**Fortune 50**  
run HPE ADM



More than  
**8,000**  
ADM customers




A major airline  
saved  
**60%**  
on hardware and  
maintenance costs



**9 out of 10**  
of world's largest banks  
use HPE ADM  
solutions



**2x faster** software  
innovation &  
**4x faster**  
customer facing  
app revisions



## Take away van deze sessie

Idee hoe je agile werken kan  
ondersteunen met een tool die ook  
testen en kwaliteit inzichtelijk maakt.

## Wie zijn jullie?

- Ervaring met
  - Agile
  - Testen
  - Tooling
  
- Welk bedrijf / sector



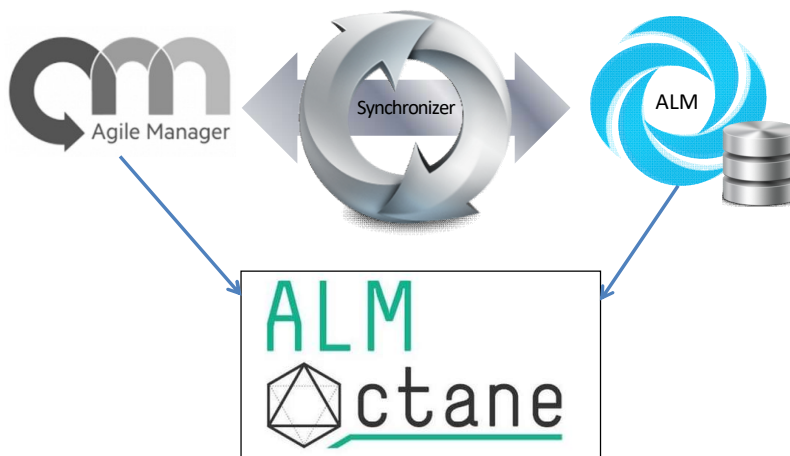
Mail je gmailadres naar [sezen.de.bruijn@hpe.com](mailto:sezen.de.bruijn@hpe.com) voor toegang in de tool



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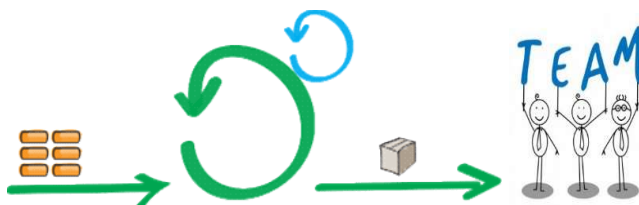
## ALM Octane - historie



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## Agile werken in een tool



Backlogbeheer  
Sprints  
Takenbord  
Quality  
Pipelines  
Dashboard

Refinements  
Iteraties met een bepaalde velocity van storypoints  
Daily standup  
Testvoorbereiding en uitvoering  
Shippable product, koppeling met ontwikkelplatform  
Inzicht en zichtbaarheid



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## Agile werken in een tool - backlogbeheer

ALM OCTANE | BACKLOG

Release: [Show All]

Backlog

Overview | Epics | Features | Backlog Items | Tests

ID	TYPE	NAME	RANK	OWNER	STORY POINTS	PHASE	SPRINT	TEAM
2002	Defect	Error "9234566122" when...	1	PPM Integ...	3	Opened	Sprint 1	AOS API
2003	Defect	Error "9234566122" when...	2	Paul Weller	1	Opened	Sprint 3	AOS Infra
2004	Defect	Live chat is not working fr...	3	Tom Gibb...	3	Fixed	Sprint 2	AOS API
2005	Defect	Cannot change password...	4	Alex Losov...	3	Opened	Sprint 2	AOS UI
2006	Defect	PayPal verification Error	5	Kelly Slater	1	Opened	Sprint 2	AOS Infra
2012	User Story	As a site administrator, I s...	6	Alex Losov...	4	In Progress	Sprint 3	AOS UI
2007	Defect	Search by date returns N...	7	PPM Integ...	3	Opened	Sprint 1	AOS API
2034	Defect	When clicking the "Home"...	8	Alex Losov...	3	Fixed	Sprint 2	AOS UI
2008	Defect	Search by name returns E...	9	Cecil Dunn	2	Opened	Sprint 2	AOS UI



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## Agile werken in een tool – releases & sprints kadans

**ALM OCTANE** TEAM BACKLOG

Release: Release testnet 10 juli    Sprint: < > Sprint 2    Team: Team 2

TEAM PROGRESS: 0%  
 0 CRITICAL DEFECTS  
 21 DAYS LEFT IN SPRINT  
 63 DAYS LEFT IN RELEASE  
 6 Jun - 28 Aug

COMMITTS: 0  
 Unassigned  
 User stories  
 Defects  
 Quality stories

Release (Sprint, Sprint, Sprint, Sprint) → Release (Sprint, Sprint, Sprint, Sprint)

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## Agile werken in een tool – daily standup

**ALM OCTANE** TEAM BACKLOG

Release: AOS (Default)    Sprint: < > Sprint 2 (Current)    Team: AOS API

TEAM PROGRESS: 0%  
 0 CRITICAL DEFECTS  
 14 DAYS LEFT IN SPRINT  
 15 DAYS LEFT IN RELEASE  
 6 Jun - 4 Jul

COMMITTS: 0  
 Unassigned  
 User stories  
 Defects  
 Quality stories

Backlog Items    Tests    **Tasks**    Commits

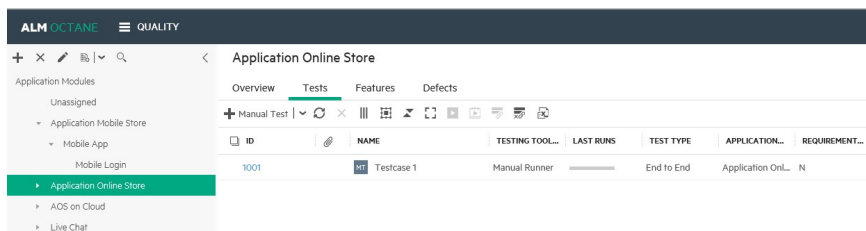
NEW	IN PROGRESS	COMPLETED
2004   Live chat is not working from Advantage Mobile Store 2 Tasks, 0/0 hr left		
2001   Test defect Tom Gibb... 0 hrs	1001   Fix defect Tom Gibb... 0 hrs	
2014   As a user, I can print my account transactions from Advantage Mobile Store 3 Tasks, 0/0 hr left		
4001   Test print option PPM Integ... 0 hrs	3001   Build print option PPM Integ... 0 hrs	2002   Design print option PPM Integ... 0 hrs

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## Agile werken in een tool - testen

1 centrale plek voor je testware

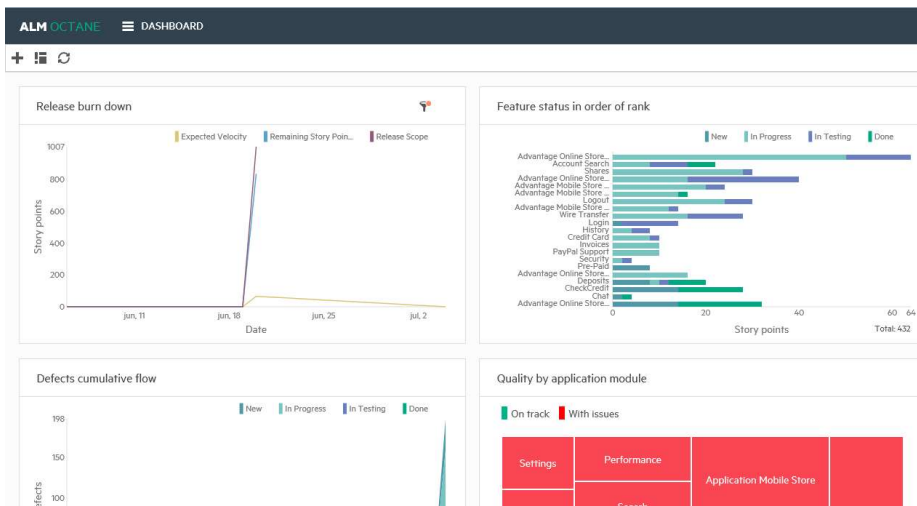
- Testgevallen voorbereiden
- Testgevallen uitvoeren (handmatig of geautomatiseerd)
- Testresultaten rapporteren incl schermprints of attachments
- Testgevallen delen
- Testgevallen koppelen aan applicaties/onderdelen en aan features of userstories



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## Agile werken in een tool – dashboard - inzicht



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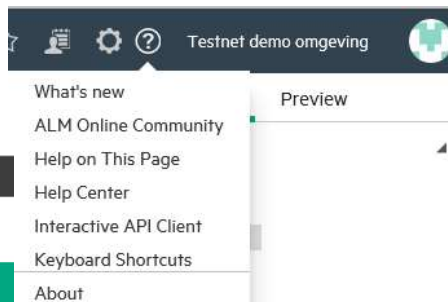
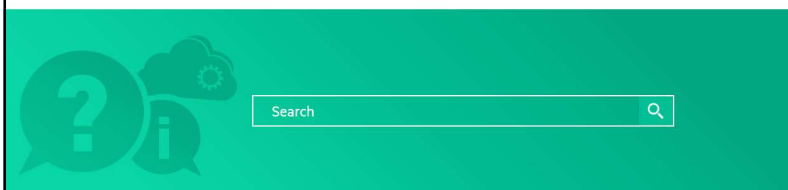
## Agile werken in een tool - hulpmiddelen

Op elk scherm kan je Help on This Page opvragen  
 Of ga naar het Help Center en tik je zoekterm in  
 Er zijn video's beschikbaar die je kunnen helpen

HPE ALM Octane Help Center

Version 12.53.22

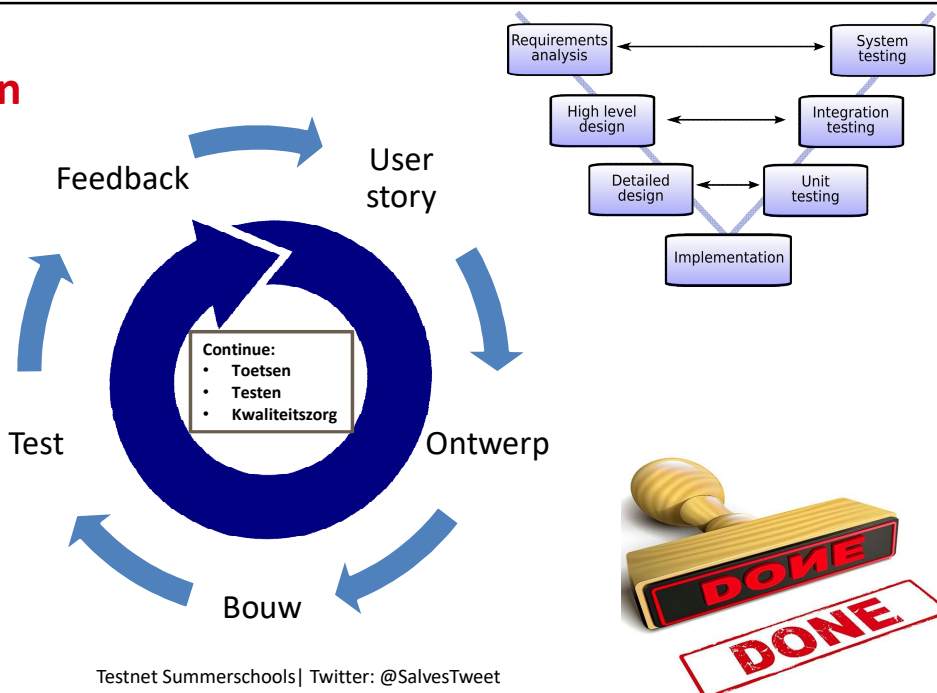
Get Started Common Flows User Help Configuration Integrations / API Videos



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## Agile testen



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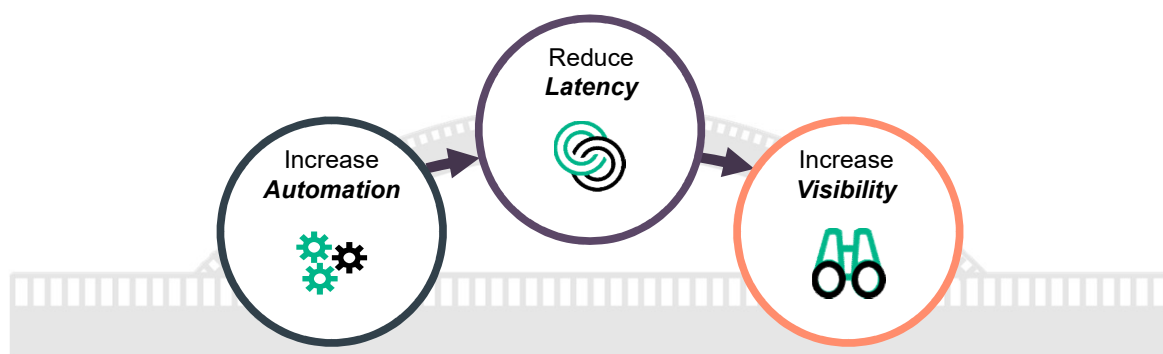
## Opdracht: openen Octane



- Open <https://saas.hpe.com/myaccount>
- Log in met je gmailadres
- Open de app ALM Octane en kies voor workspace Testnet Oefening
- Klik door de tool heen om een idee te krijgen van de inrichting van de tool

## The application delivery transformation journey

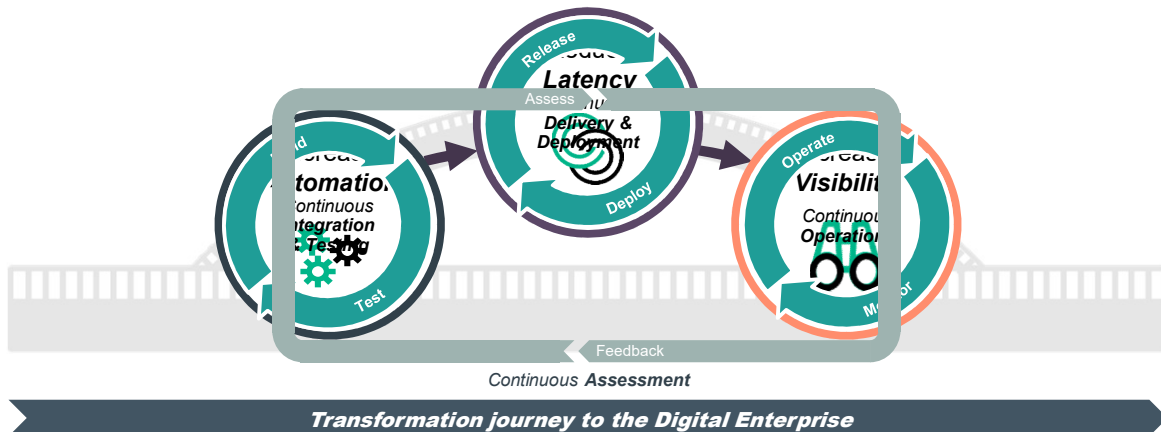
How to get there?



*Transformation journey to the Digital Enterprise*

## The application delivery transformation journey

Enable the Digital Enterprise with DevOps



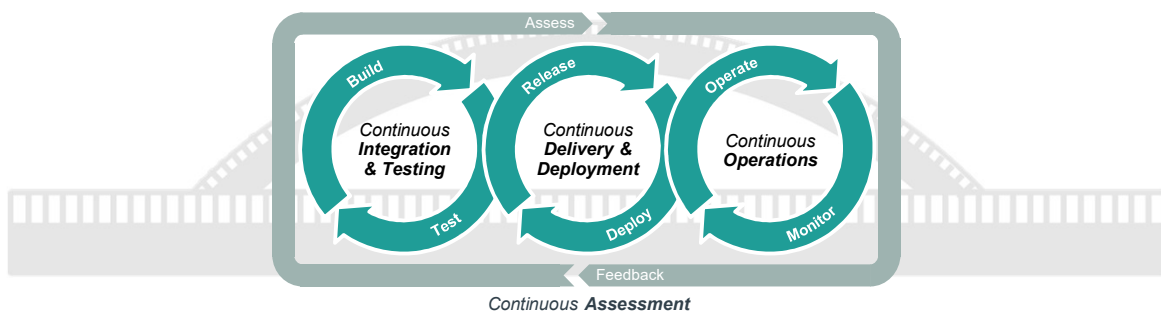
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## What is DevOps ?

DevOps allows development, quality assurance, and operations to meet customer needs. This integrated team approach facilitates communication, collaboration, and integration to manage today's rapidly changing business demands.



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 Increase Automation

 Reduce Latency

 Increase Visibility









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## ALM Octane modules - demo

**ALM OCTANE** ☰ MY WORK

<div style="margin-bottom: 10px;"> MY WORK</div> <div style="margin-bottom: 10px;"> DASHBOARD</div> <div> DEFECTS</div>	<div style="margin-bottom: 10px;"> REQUIREMENTS (Preview)</div> <div>Author Manage</div>	<div style="margin-bottom: 10px;"> BACKLOG</div> <div>Overview Epics Features Backlog Items Tests</div>	<div style="margin-bottom: 10px;"> TEAM BACKLOG</div> <div>Backlog Items Story Board Tests Tasks Task Board</div>	<div style="margin-bottom: 10px;"> QUALITY</div> <div>Overview Tests Features Defects</div>	<div style="margin-bottom: 10px;"> PIPELINES</div> <div>Pipelines Summary</div>
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# ALM Octane

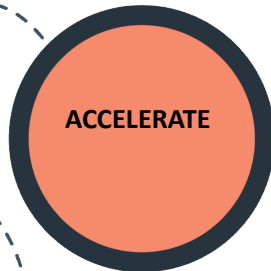
## Single Platform, Single Experience

**Supports Agile and Non-Agile Teams**

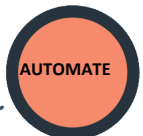
- A simplified user experience; accessible on any platform or browser
- Open **architecture**, Integrated and Extensible
- Easily share and re-use assets, adding velocity, reducing technical debt
- Tightly integrated quality ensures teams address issues sooner, saving time and money
- Built with a DevOps design center – Enabling lean, continuous process and pipeline management
- Connected into the team’s existing build processed, fueling velocity to help triage issues faster, and mine critical data to factor into decision making




CONNECT




ACCELERATE



AUTOMATE












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## Continuing to Embrace Open Source


-  **Gherkin framework support**  
Structured manual test format, allows for an easier transition to test automation
-  **Jenkins/TeamCity/Bamboo**  
Core to the execution architecture, and CI support
-  **GIT**  
Direct part of the underplaying ALM architecture
-  **3rd party test execution**  
E.g. Selenium




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## Highlighted Features




Agile

- Preview Pane
- Add stories from board
- Work with defects on a board
- Autofill list for backlog items
- IntelliJ Plugin




Quality

- UFT Test Results from CI
- Regression Test suite
- Cucumber Test Reporter for Gherkin test results
- Improved Dashboard




Pipeline

- Support for Bamboo CI
- Latest pipeline run tag
- Enhanced test analytics widgets
- Improved UI and notifications




Integrations

- ALM Octane sync to ALM.NET
- Push ALM.NET Test result Collection tool
- Integration Bridge – SaaS to On premise
- LDAP Support



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## ALM Octane Pro

Plan/Requirements	Build/Execute	Quality/Test	Track/Release	Enterprise Ready
<p><b>Project Managers</b> Dev Team Leads Quality Team Leads Business Analysts Developers/Testers</p>	<p><b>Developers</b> Testers Dev Team Leads Quality Team Leads</p>	<p><b>Developers</b> Testers Dev Team Leads Quality Team Leads</p>	<p><b>Developers</b> Testers Dev Team Leads Quality Team Leads</p>	<p><b>Project teams</b> Central IT QA teams Developers</p>
<p>Plan requirements using Agile methodologies to set the project up</p>	<p>Integration into Build pipeline to ensure traceability and coverage.</p>	<p>Continuous Testing and Quality of application builds</p>	<p>Traceability and reporting capabilities across the project lifecycle</p>	<p>Built for the Enterprise scale and Business Process</p>
<ul style="list-style-type: none"> <li>▪ Release Planning</li> <li>▪ Backlog management</li> <li>▪ Requirements*</li> <li>▪ Team Capacity Planning</li> <li>▪ Task &amp; Story Boards</li> <li>▪ Collaboration - ChatOps</li> </ul>	<ul style="list-style-type: none"> <li>▪ Build Pipeline – Jenkins / TeamCity</li> <li>▪ Custom Pipelines</li> <li>▪ IDE Plugin</li> <li>▪ Build Analytics</li> <li>▪ Embedded Git</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quality Module</li> <li>▪ Defects Module</li> <li>▪ Acceptance Tests</li> <li>▪ Automated Test Quality via CI pipeline</li> <li>▪ Gherkin – BDD support</li> </ul>	<ul style="list-style-type: none"> <li>▪ Dashboard Module</li> <li>▪ Traceability across lifecycle entities</li> <li>▪ Tags and Filters</li> <li>▪ 'My work' – Personalized dashboard</li> </ul>	<ul style="list-style-type: none"> <li>▪ Enterprise Permissions and Roles</li> <li>▪ Visual Workflow engine</li> <li>▪ REST API</li> <li>▪ Versioning</li> <li>▪ Synchronizer*</li> </ul>

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## Lifecycle Management Buyer Personas

Decision Makers	Personas
<p><b>Head of Portfolio</b> → <b>Program/Project Management</b></p>	<p> <b>Head of Portfolio/Programs</b> - Optimal Budget use</p> <p><b>Alex ensures IT programs meet organization goals and budget requirements. Develops and implements PMO processes and with other department leaders defines &amp; prioritizes dev projects and programs.</b></p>
<p><b>VP Apps/Development</b> → <b>Application Development</b></p>	<p> <b>VP / Director of App Dev</b> - Agile Delivery of Apps</p> <p><b>Tony, is the VP of apps and is responsible for managing software applications (internal and customer facing) to develop and maintain for business success.</b></p>
<p><b>Head of Testing/QA</b> → <b>Quality/Test Management</b></p>	<p> <b>Director of Quality</b> - Continuous Testing</p> <p><b>Mark is responsible for managing Application Quality, driving automation and constantly looking to optimize test resources involved in quality validation efforts.</b></p>

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Navigation menu icons: MY WORK, DASHBOARD, BACKLOG, TEAM BACKLOG, QUALITY, DEFECTS, PIPELINES.

Process flow diagram: PLAN (document icon) - EXECUTE (lightbulb icon) - TEST (gears icon) - RELEASE (man with cup icon) - TRACK (smartphone icon).

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## Taggen - demo

ALM OCTANE | QUALITY

Application Modules: Overview, Features, Tests, Defects

ID	Module	Category	Status	Location	Last Runs (CS)
39003	Add image from gallery as attachment	Regression	New	Gallery	8
39004	Add video from gallery as attachment	End to End	Obsolete	Video	1
39005	Add audio file as attachment	End to End	New	Audio	3
39006	Add current location as attachment	Sanity	In Design	Location	8
39007	Send contact from phonebook as attachment	Sanity	New	Contact	1
39008	Voicemail - EZE	Sanity	Ready	Voice	3

Tags: RELEASE, ENVIRONMENT, TAGS, PIPELINE

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## Oefening



- Bedenk je eigen tag en schrijf deze op
- Deze zal je bij de andere opdrachten nodig hebben dus verzin iets unieks wat je makkelijk kan onthouden
- Maak je eigen Epic aan (titel = voornaam + functienaam)
- Tag je Epic met je zelfverzonnen tag

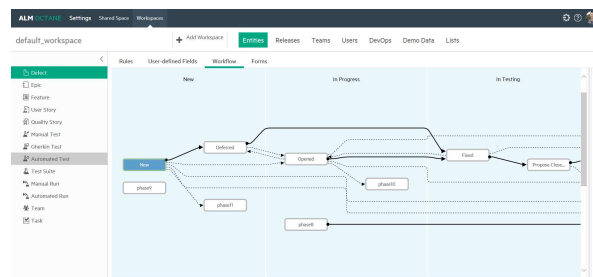



## PLAN

Workspaces - Organize and Contain Access to Content




- Workspaces can be used to represent projects, programs, or products
- Each workspace, contains releases to track project lifecycles relevant users can share the same workspace
- Users can be assigned to one or more workspaces, but can only access workspaces that they are assigned to
- Data cannot be shared or viewed across workspaces, and users switch back and forth to view data in different workspaces



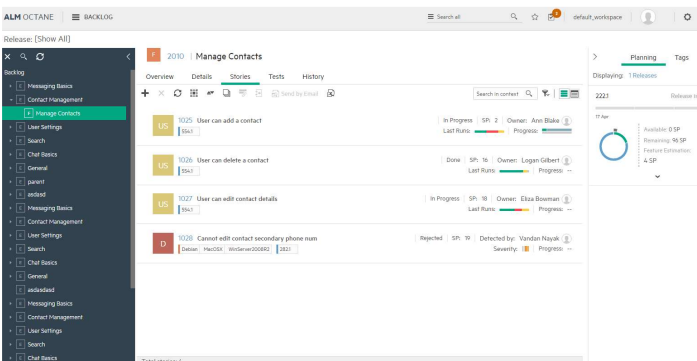



# PLAN


## BACKLOG

- Create Epics – Features – User stories
- Plan Expected Velocity and Quality
- Create and update backlog
- Rank the Backlog
- Plan releases/sprints
- Assign items to specific persons






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## Epics – Features en User stories



Feature


- User story
- User story

Feature


- User story
- User story

Feature

- User story
- User story



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## Voorbeeld: epic – feature - user story



## Demo: epic – feature – user story



- Backlog
- Release buckets
- Tags

The screenshot displays a backlog management tool. The main view is titled 'Backlog' and has tabs for 'Overview', 'Epics', 'Features', 'Backlog Items', and 'Tests'. The 'Features' tab is active, showing a list of items. Two items are visible: '5002 UFT inrichting' (New) and '5003 Octane inrichting' (New). The right-hand panel shows a 'Planning' view for a release bucket named 'RELEASE TESTNET 10...'. It includes a timeline from June 5 to August 21, with a '65 Days left' indicator. A box indicates 'ESTIMATION 20 SP' and a note says 'Planning 1 item to release'. A blue arrow labeled 'slepen' (drag) points from the feature list towards the release bucket.

## Opdracht: epic – feature

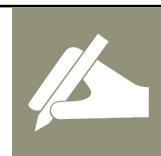


- Ga naar de backlog en creëer vanuit je eigen Epic aantal features
- Tag je features met je zelfbedachte tag


**Ken je Feature toe aan de huidige release en het team: sleep deze naar de release bucket van Release testnet 10 juli**

The screenshot shows the Jira Backlog interface. On the left, two features are listed: '5002 UFT inrichting' and '5003 Octane inrichting'. The '5003 Octane inrichting' feature is being dragged into the 'RELEASE TESTNET 10...' bucket on the right. A blue arrow labeled 'slepen' points to the right. The right sidebar shows the release bucket with an estimation of 20 SP and a note 'Planning 1 item to release'.

## Opdracht: epic – feature – user story





- Werk een feature uit naar verschillende User stories
- Tag je user stories met je zelfbedachte tag
- Zet je uitgewerkte User Story in de huidige sprint (Release testnet 10 juli – Sprint 2)



# EXECUTE

Team Backlog Management (Agile Manager)

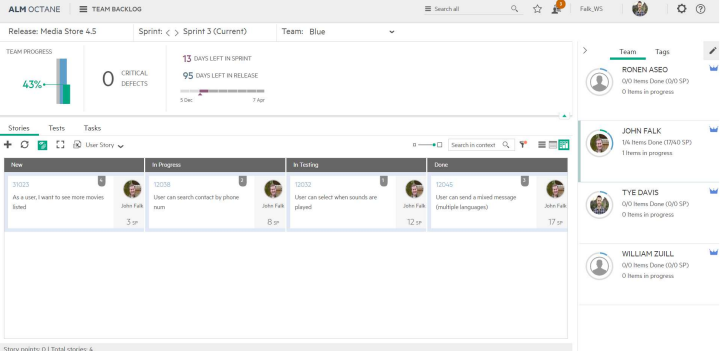





**TEAM BACKLOG**


Move backlog items through the workflow  
Create Tasks  
Scrum/Kanban/SAFE & more  
Track Sprint/Team/Individual Progress

DEMO Taken aanmaken en takenbord





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## Opdracht: taken

- Creëer een aantal taken in je User Story
- Vul een aantal uren in per taak – varieer hierin
- Assign taken aan jezelf
- Bekijk het takenbord en filter op je eigen naam of je eigen user story
- Maak vanuit het takenbord extra taken aan
- Sleep een taak over het bord heen (probeer met touch scherm als je dit hebt)





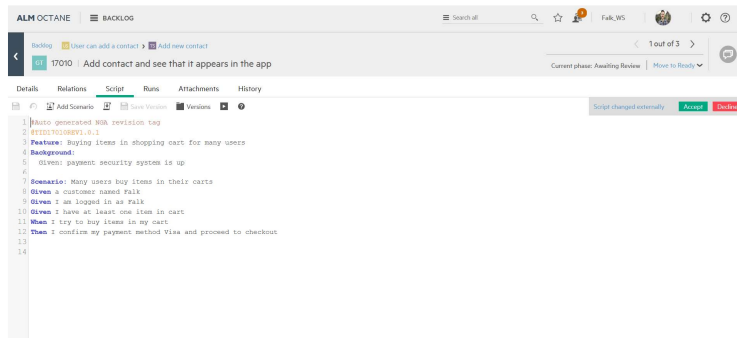
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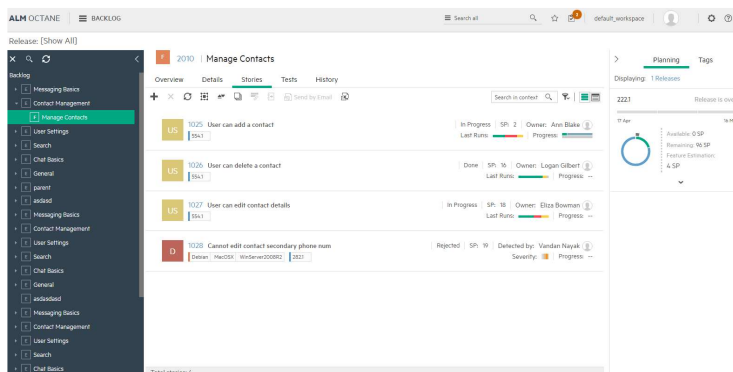
- Manual Tests
- Manual Gherkin Tests
- Manual Test Suites
- Automated Tests



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- Open Defects
- Visibility of Required Tests
- Test Status sync w/User Stories and Defects
- Test directly connected to Sprints
- Demo test module



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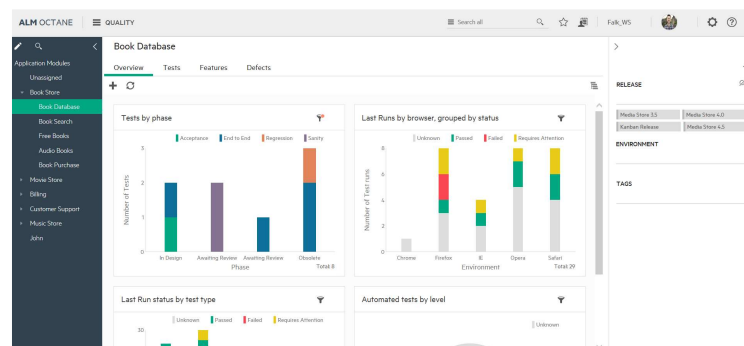
## Opdracht – test aanmaken



- Maak een aantal tests aan en koppel deze aan je User story en Feature die in de huidige release/sprint zit
- Werk je test uit in stappen: omschrijving / verwacht resultaat
- Tag je testgevallen met je zelfbedachte tag
- Zet je testgeval op ready to automate (uitleg volgt later)
- Optie: maak een gherkin test aan



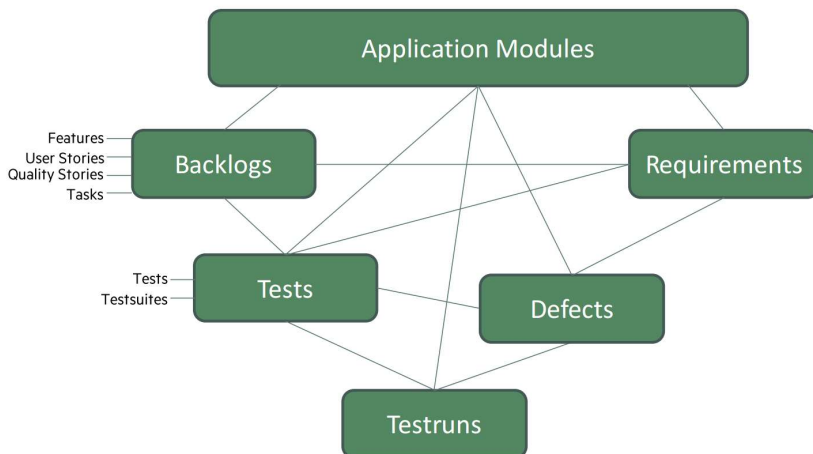
- Application Modules
- Dashboard
- Create and Run Tests
- Report/Track Product Defects
- Analyze Product Quality



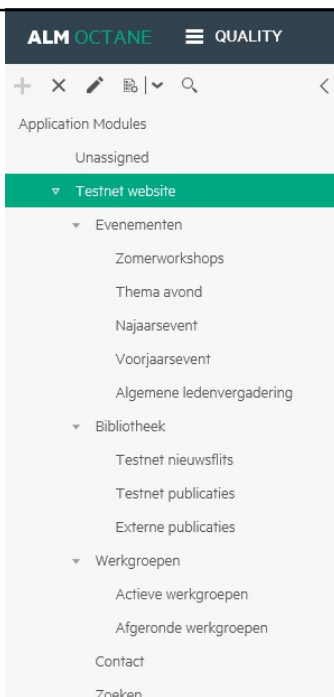
## Application modules

Deel je app op in deelgebieden. Aan die deelgebieden kan je alles koppelen:


- Epics
- Features
- User stories
- Test cases
- defects



## Voorbeeld –




## testnet website



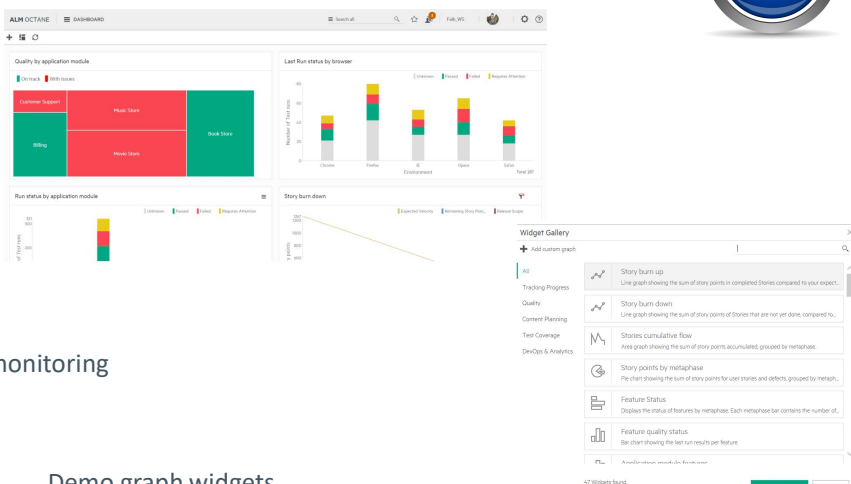
# TRACK

Dashboard




**DASHBOARD**

- Quality
- Tracking Progress
- Content Planning
- Test Coverage
- DevOps & Analytics -> monitoring
- Dashboard layout
- Custom graphs




Demo graph widgets



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## My work

- Vind eenvoudig al het werk dat aan jou is toegewezen in My Work







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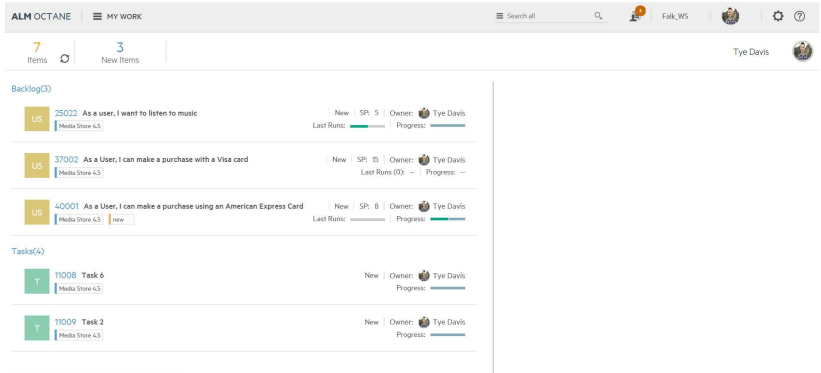
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**MY WORK**

- Assigned Items
- Tests
- Test Runs
- Mention in Comments



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**PIPELINES**

- Traceability across the lifecycle, across multiple asset types (e.g. test, defects, stories)
- Digitized workflow and policy enforcement
- Complete version control, change management

Ready to automate



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## Take away van deze sessie

Idee hoe je agile werken kan ondersteunen met een tool die ook testen en kwaliteit inzichtelijk maakt.



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# Bedankt



sezen.de.bruijn@hpe.com | rogier.van.der.burg@salves.nl

