

Accelerate High-Quality App Delivery with the Micro Focus DevOps Suite

March 28, 2018

Today's Speakers:



David Landsberg
Director of Product
Management
Micro Focus



Ayal Cohen
Chief Functional Architect for ADM R&D
Micro Focus



Malcolm Isaacs
Solution Marketing Manager
Application Delivery
Management (ADM)
Micro Focus

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The webinar will begin shortly





vivvit

Discover the independent Micro Focus software user community where you can share, collaborate, exchange, and grow



COMMUNITY



Accelerate High-Quality App Delivery with the Micro Focus DevOps Suite
March 28, 2018



EDUCATION

Sponsored By



YOUR INDEPENDENT MICRO FOCUS SOFTWARE USER COMMUNITY



Hosted By



Matt Angerer



Experience

- 15 years of ERP, Agile, and IT Delivery Experience
- Served as a Product Owner, Test Manager, and QA Delivery Consultant
- Developed deep *appreciation and respect* for the orchestration of People, Process, and Tooling in Software Delivery
- **Consulted across 8 sectors**, including: Military (Army/Navy), Public Sector, Energy/Utils, Financial Services, Retail, Manufacturing, Healthcare and Real Estate. Contributed to **10 end-to-end lifecycle SAP implementations** since 2002

Education & Certification

- B.S. in Operations & Information Systems Management, **Penn State University**
- Certified Scrum Master / Certified Micro Focus ALM.Net and UFT /

Location & Contact

- Babcock Ranch, Florida – *America's Solar City*
- +814.860.6872 mobile
- matt.angerer@tasktop.com



Tasktop Integration Hub

Enterprise Grade Integration



Flow information across teams, organizations, and tools



Eliminate wasted time, bottlenecks, errors and rework



Automatically compile lifecycle activity data



Enable the creation of consolidated dashboards and traceability reports



Get started for FREE with Micro Focus ALM Octane I/O

Connect Micro Focus ALM and ALM Octane to Jira, TFS, VersionOne, and CA Agile Central (Rally)

go.tasktop.com/Octane-IO-License

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Webinar Housekeeping



The screenshot shows a webinar interface with a presentation slide titled "Building the DevOps Tool Chain" dated January 17, 2017. The slide features the Vivit logo and the text "Discover the independent HPE software user community where you can share, collaborate, exchange, and grow". The slide is part of a presentation with 27 slides, currently on slide 2. The interface includes a sidebar with a logo/picture section, a Q&A section with an "Ask a question" prompt, and a "DOWNLOAD FILES" section. The bottom of the interface displays dial-in information: "Dial-In #: VoIP or 415-926-7795 or International Numbers", "Conference ID: 0866-2702", and "User ID: 280895".

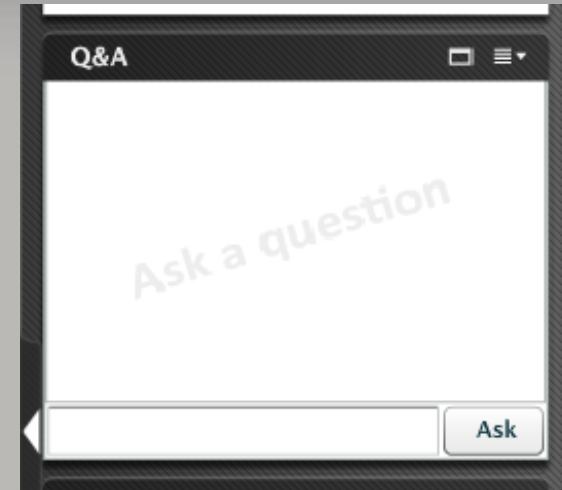
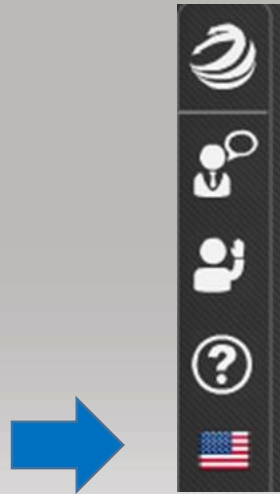
- This “LIVE” session is being recorded
- Recordings are available to all Vivit members
- To enlarge the presentation screen, click on the rectangle in the upper right hand corner of the Presentation pane

YOUR INDEPENDENT MICRO FOCUS SOFTWARE USER COMMUNITY



Webinar Control Panel

- Session Q&A:
Please type questions in the Q&A pane and click on “Ask”
- Choose the language in which you would like to ask your questions





Accelerate High-Quality App Delivery with the Micro Focus DevOps Suite

Malcolm Isaacs

David Landsberg

Ayal Cohen

A New Force in the Industry



WE ARE BUILT ON STABILITY, ACQUISITION AND INNOVATION

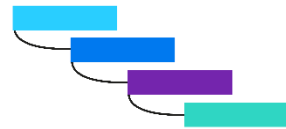
10K ⁺ enterprise customers

15 acquisitions

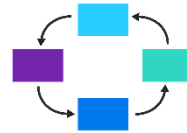
99 years of combined innovation

Software disruptions

METHODOLOGY



Waterfall



Iterative



Agile



DevOps

APPLICATIONS



Monolithic



Client-Server



N-Tier

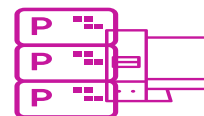


Microservices + APIs

INFRASTRUCTURE



Mainframe



Open Systems



Virtualization/Cloud



Cloud Native

Our own DevOps journey

FROM



Build to QA 2-4 weeks



Automation for specific areas



Major release 18-24 months



Capacity - 8 products

TO

Build to QA – Hourly/Daily

Fully Automated CD Pipeline

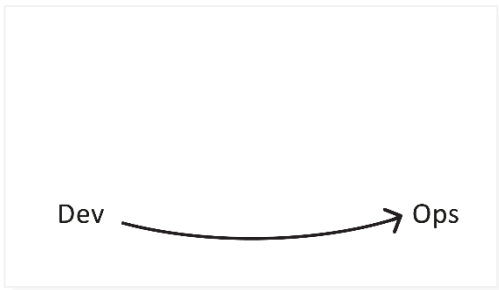
SaaS release 4-8 weeks
Quarterly On-prem release

Capacity – 15+ products

DevOps principles

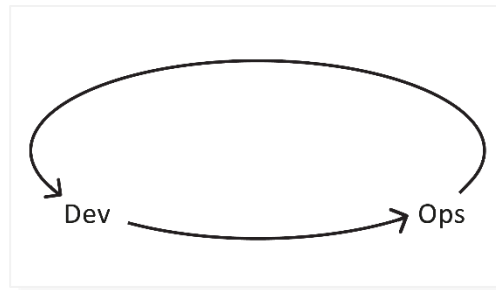
01

System Thinking



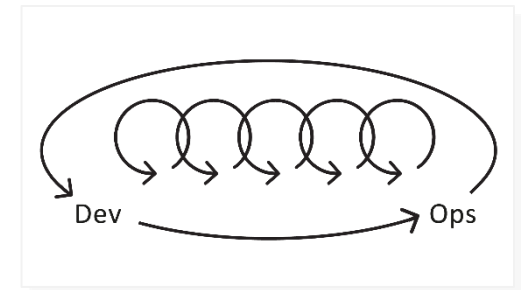
02

Amplify Feedback Loops



03

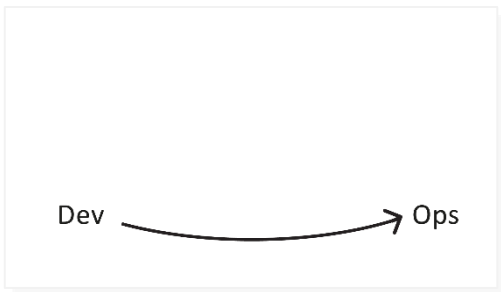
Culture of Continual Experimentation and learning



DevOps principles

01

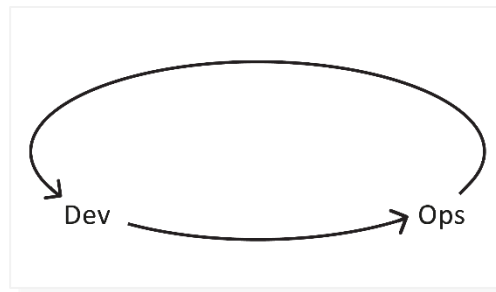
System Thinking



- Prioritizing the “system”
- Service Management
- Easy to Try, Deploy, Run, Use

02

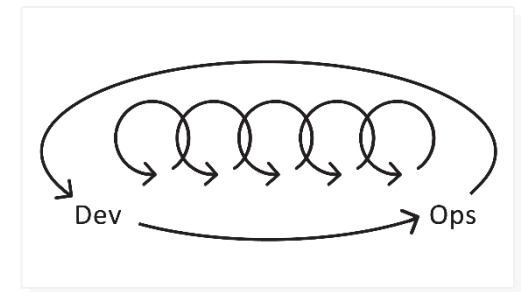
Amplify Feedback Loops



- Usage Analytics
- Data Driven Decision Making
- Behavior Analytics

03

Culture of Continual Experimentation and learning



- A/B Testing
- Canary Testing
- Gradual exposure

Challenges of DevOps at Enterprise scale



Many tools and integrations



Long test cycles



Pipeline triage



Communication and collaboration



Budget allocation



Legacy dependencies



Regulatory compliance

“The release team was spending Saturdays fixing issues with the upgraded apps” - [MSP of HR software](#)

The price of independence...

Waste time on configuration



Play the blame game



Legacy practices continue unchecked



It's very expensive



5 principles behind the Micro Focus DevOps Suite

ENTERPRISE READY & SCALE



Enabling **Central IT** to support the **enterprise at scale** and stay relevant for the lines of business teams.

OPEN, INTEGRATED

Easy to use, documented **Rest APIs**, **3rd party integration layer**, and **open source** support.



COMPLETE

Supports all market-leading software lifecycle practices including **Waterfall**, **Agile**, and **DevOps**.

COMPREHENSIVE

Broad and deep technology support:
From Mainframe to Containers across any OSs, browsers, devices, protocols, GUI frameworks.



FLEXIBLE

Containerized offering that delivers choice in deployment models: **On-premise**, **SaaS**, or **public cloud**.

The Micro Focus DevOps Suite

An integrated set of products that help you **govern, test, manage, monitor** and **improve** your software.

ALM Octane

for lifecycle and pipeline management;

StormRunner Functional

for functional testing of web and mobile applications;

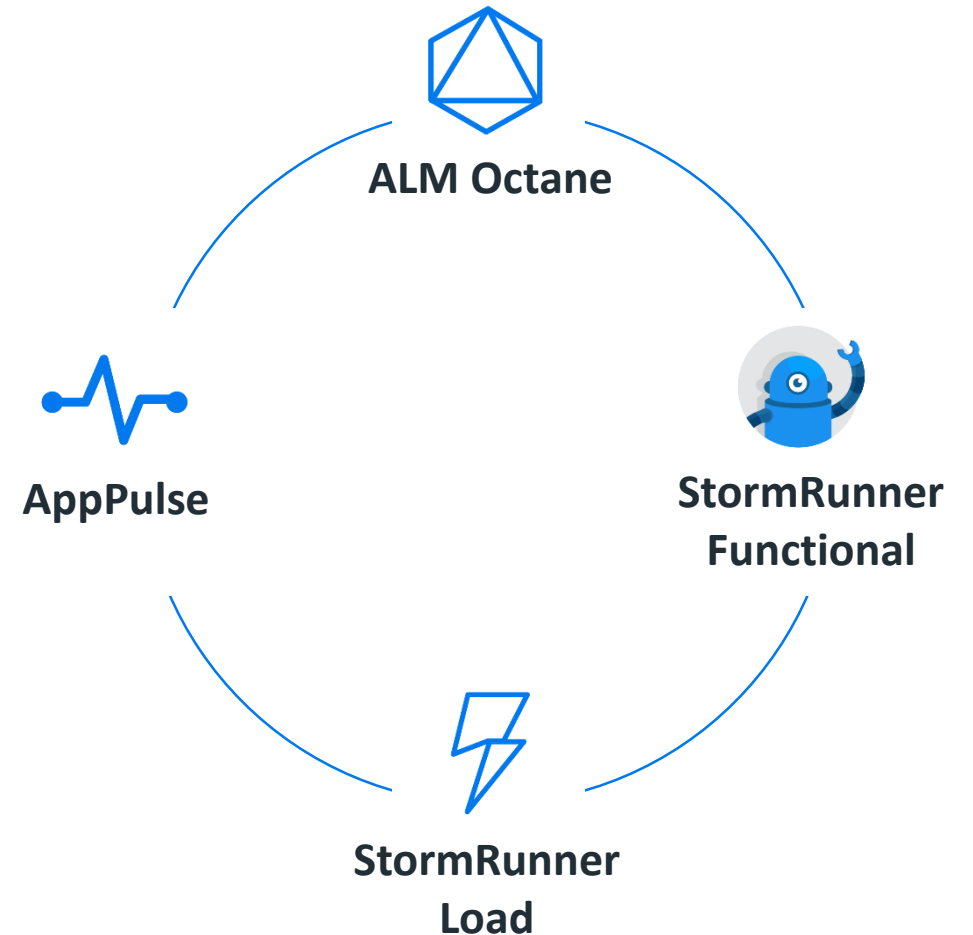
StormRunner Load

for performance testing of web and mobile applications;

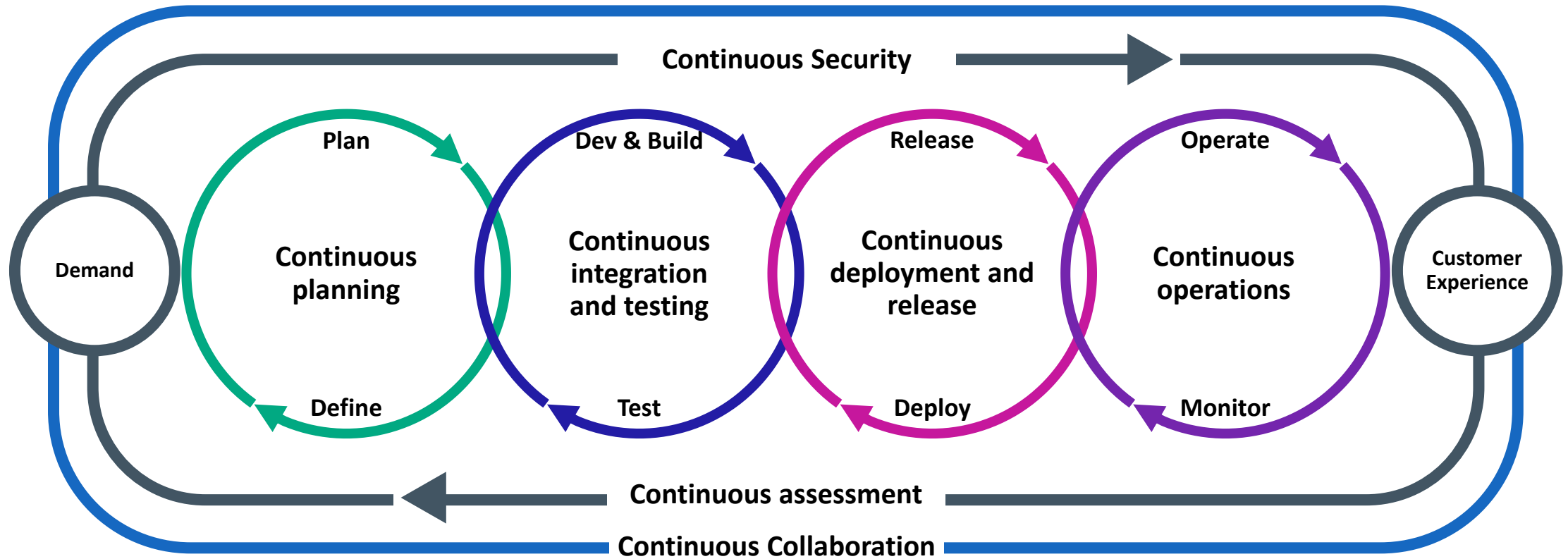
AppPulse

suite to monitor and adapt your products' user experience in production

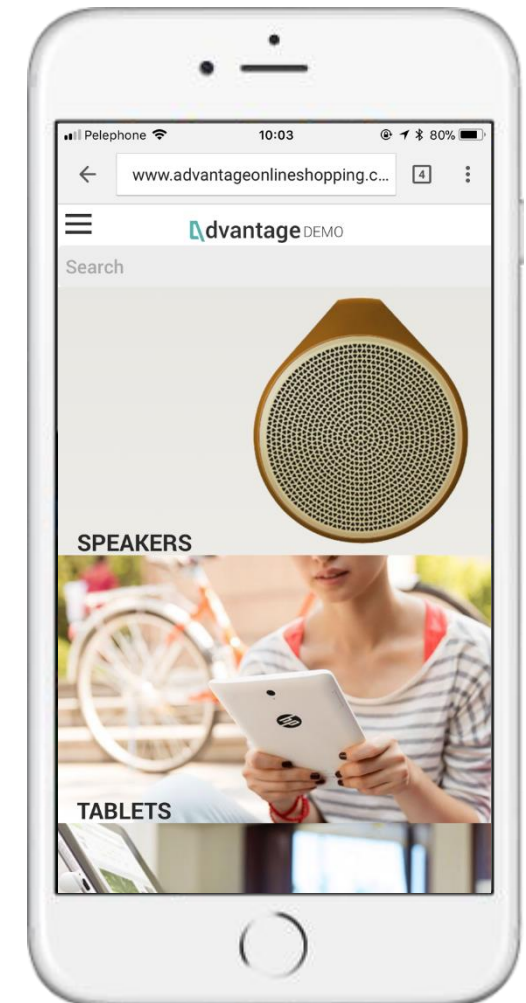
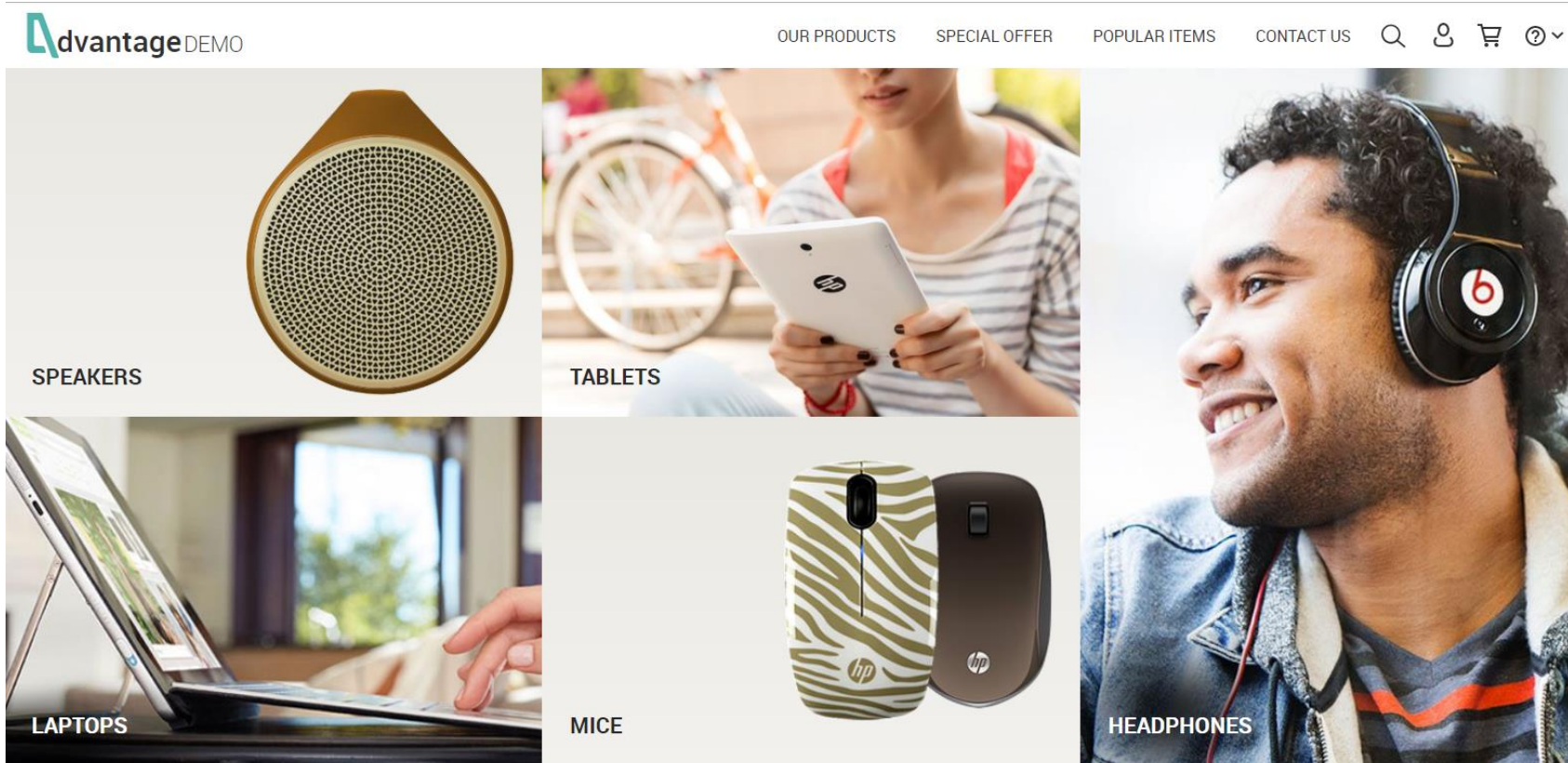
<http://microfocus.com/devopssuite>, devops@microfocus.com



Enterprise DevOps



Let's buy a laptop



DevOps Team



Judy Parker
Product Owner



Anika Bendali
Developer



Troy Michanna
DevTester



Fredric Hernandez
Operations Engineer


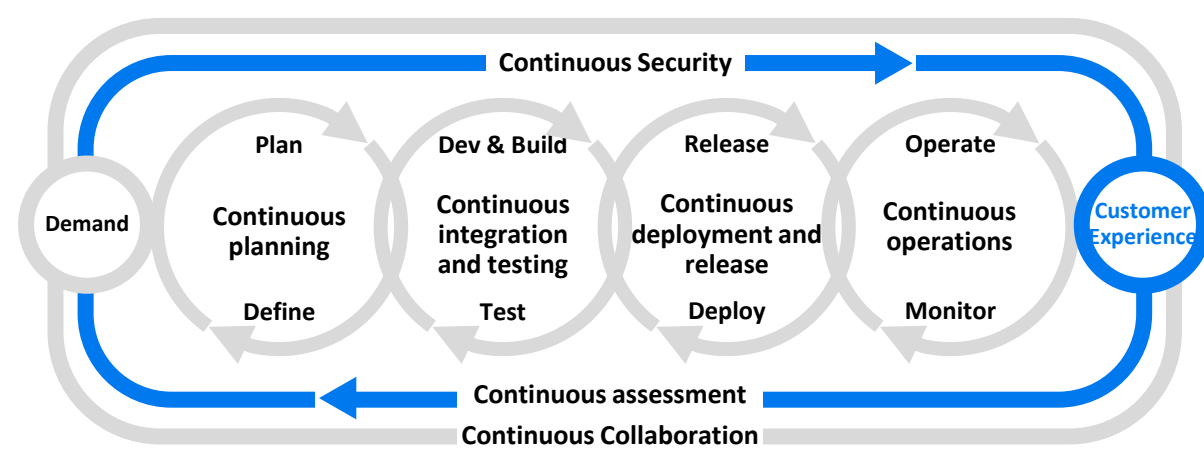


Anaya Lakshmi
Performance Engineer


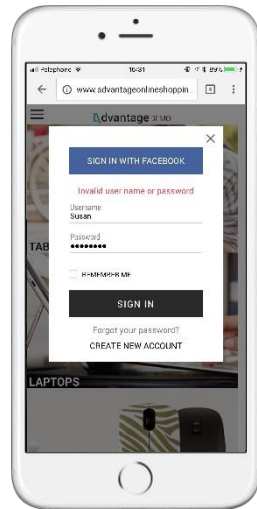


Harry Janson
Security Tester

Customer experiences an issue with the app

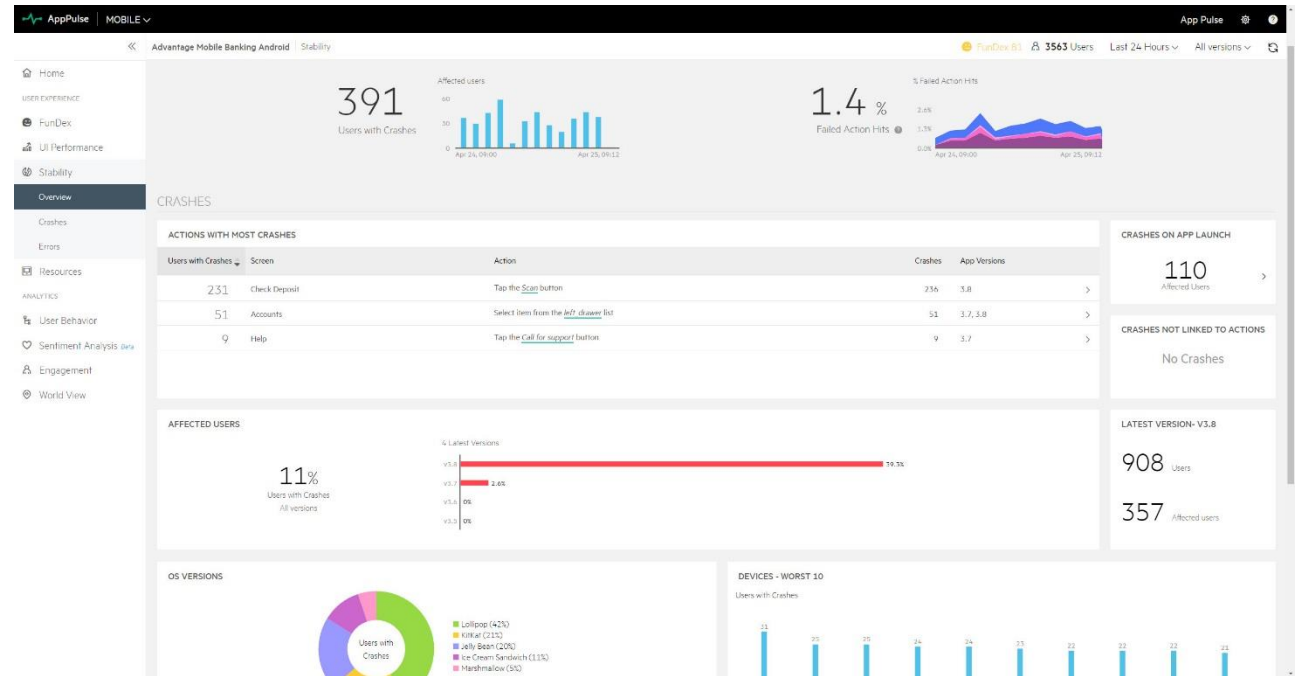
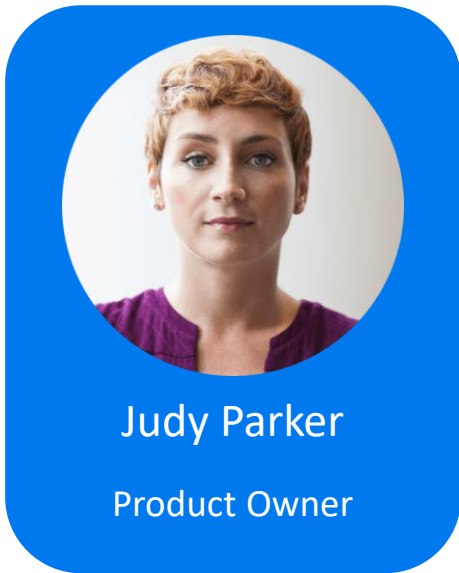
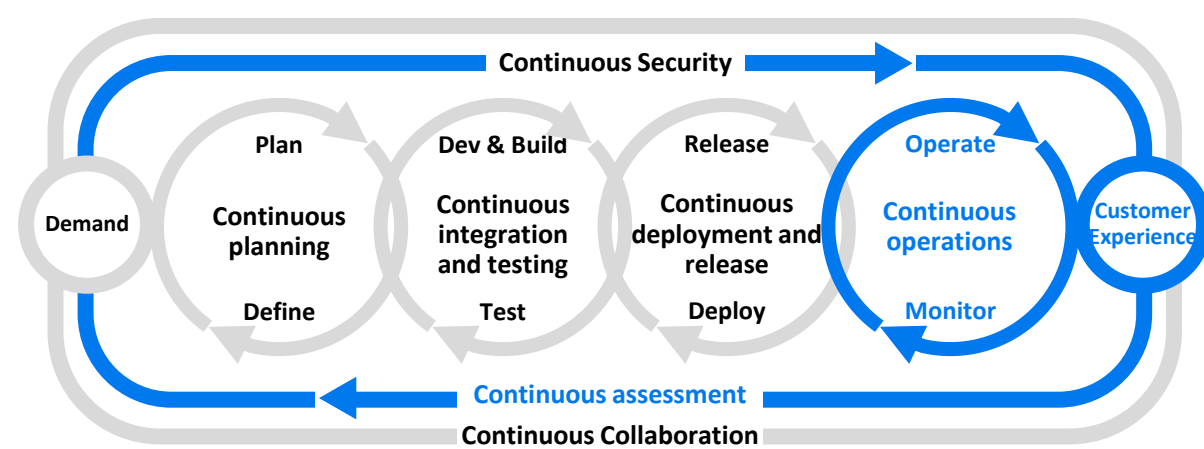


Susan Philips
Mobile App Customer

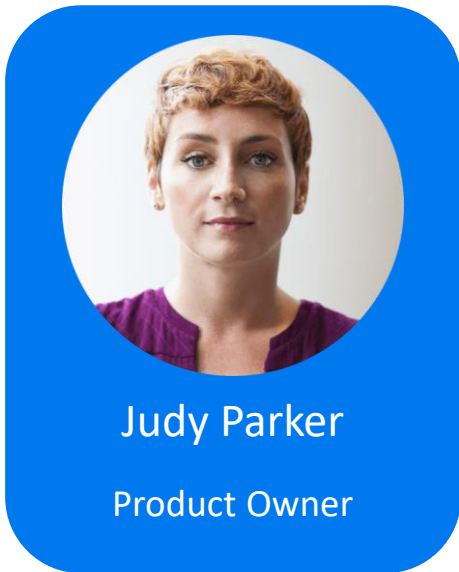
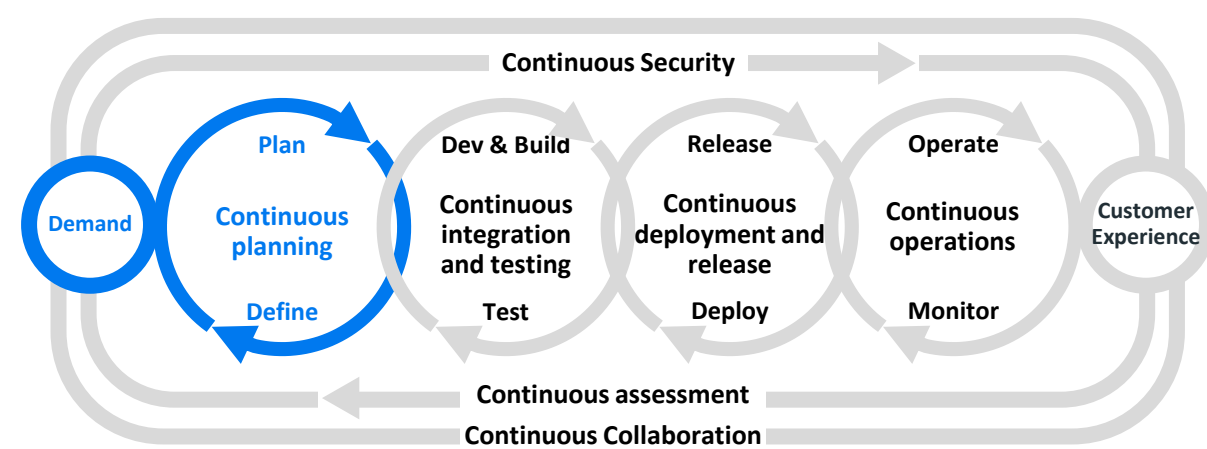


Judy Parker
Product Owner

Product Owner Assesses Impact

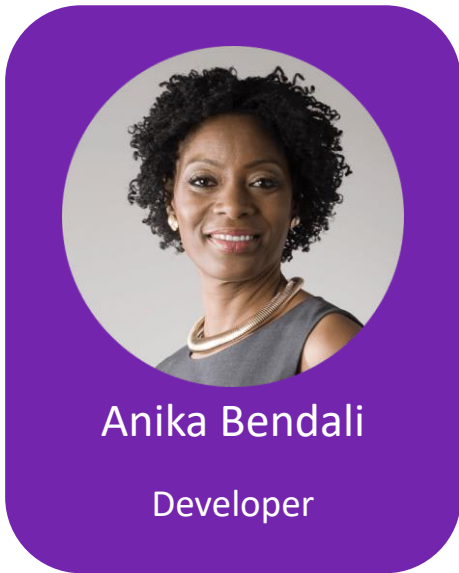
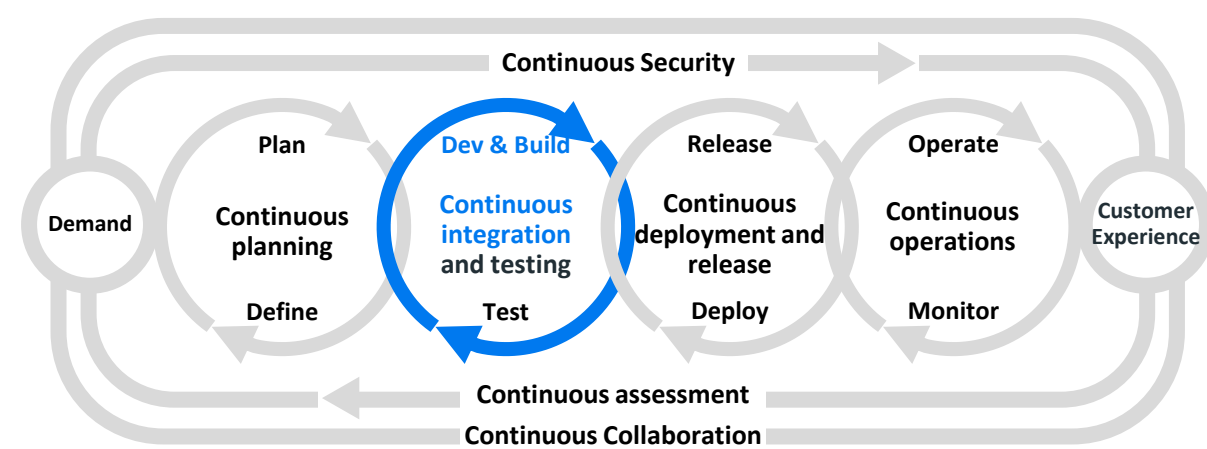


Product Owner assigns owner for the problem



ALM Octane

Developer implements a fix



The screenshot shows a developer's workspace. On the left, the IntelliJ IDEA IDE displays the 'Account.java' file with various static final strings for messages and queries. On the right, the ALM Octane dashboard is visible, showing pipeline details for '2001 Dev Quick Root master DS'. The dashboard includes a 'Recent Pipeline History' bar chart, 'Failure Analysis Insights' with a table of build failures, and a 'Dashboard' section with a 'Duration by pipeline run' bar chart and a 'Failed builds classification' donut chart.

Environment	Builds	Failed Tests	Handled
ENVIRONMENT - DataBase Issue	1 Builds		
	1. Builds		
	▲ #5 Aggregation-Test-DS		
QUALITY - Committers related to most test failures			
	● Louisa Moreno	2 failed tests	0% handled
	● Jason Flores	1 failed tests	0% handled
	● Ricardo Jenkins	1 failed tests	0% handled

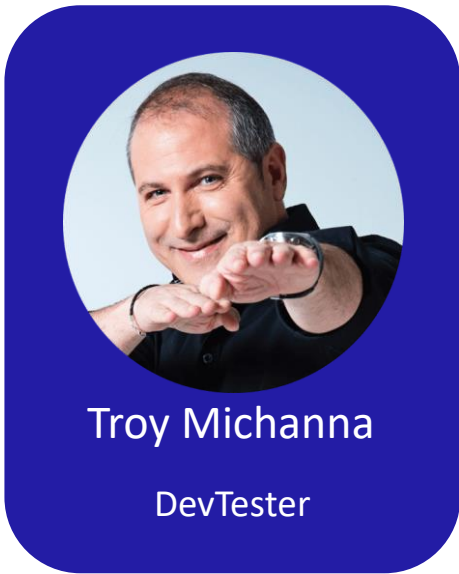
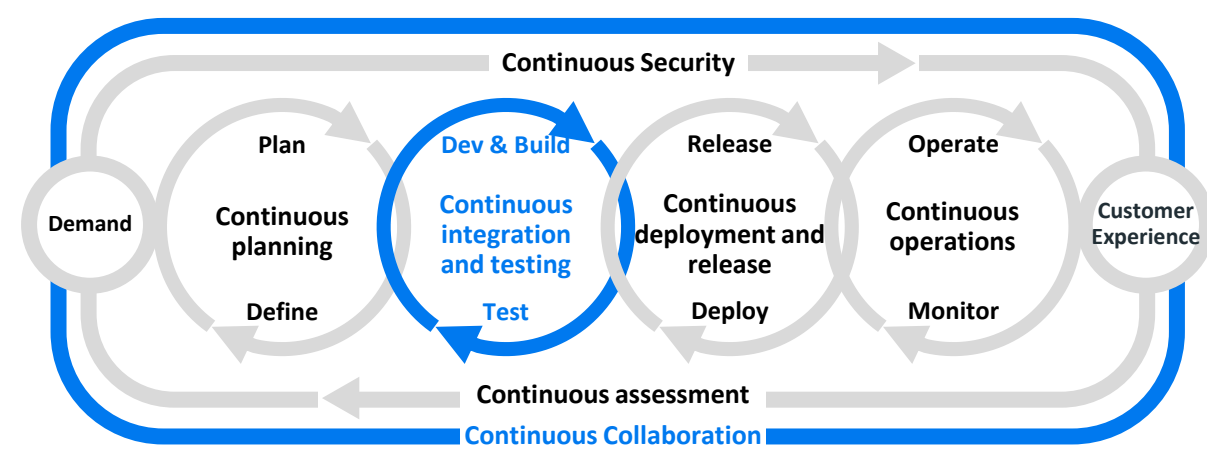
Category	Count	Status
Environment - Data...	0	On it
Code issue	2	Not handled

Uses ALM Octane
in the IDE

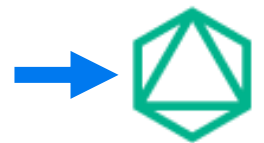
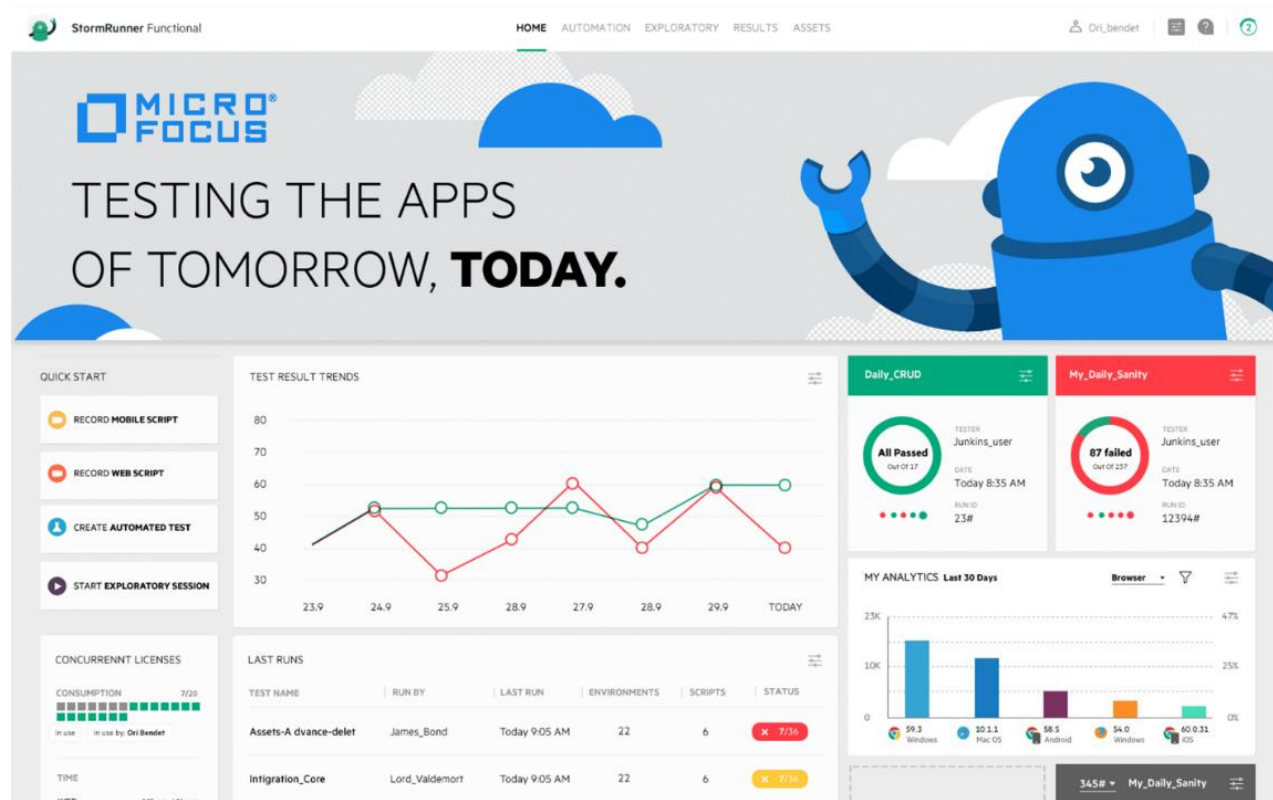


Starts build, and pipeline is
monitored in ALM Octane

CI runs functional tests

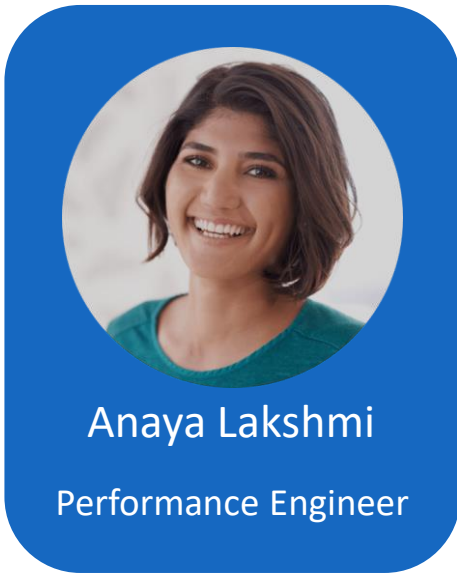
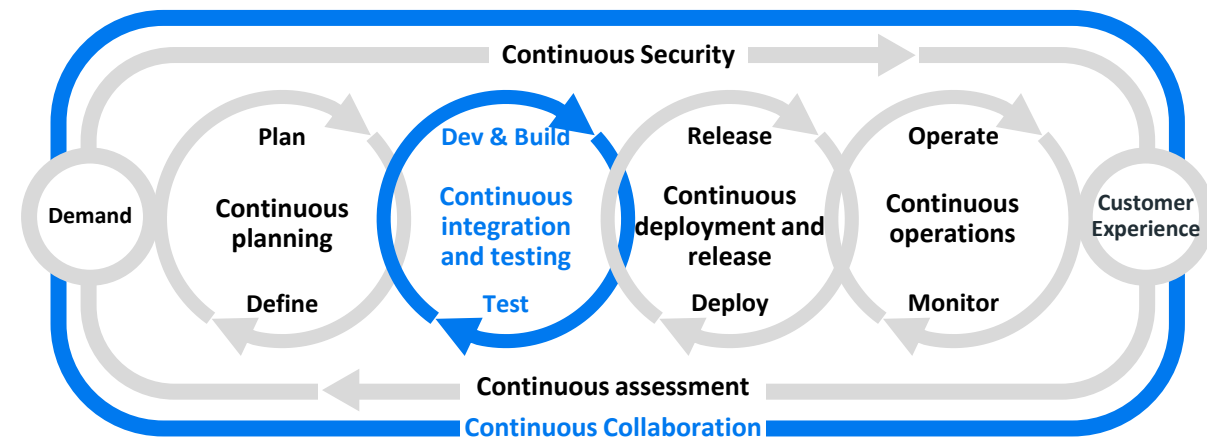


Functional testing in StormRunner Functional

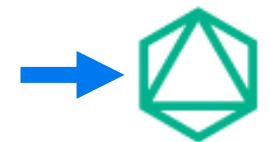
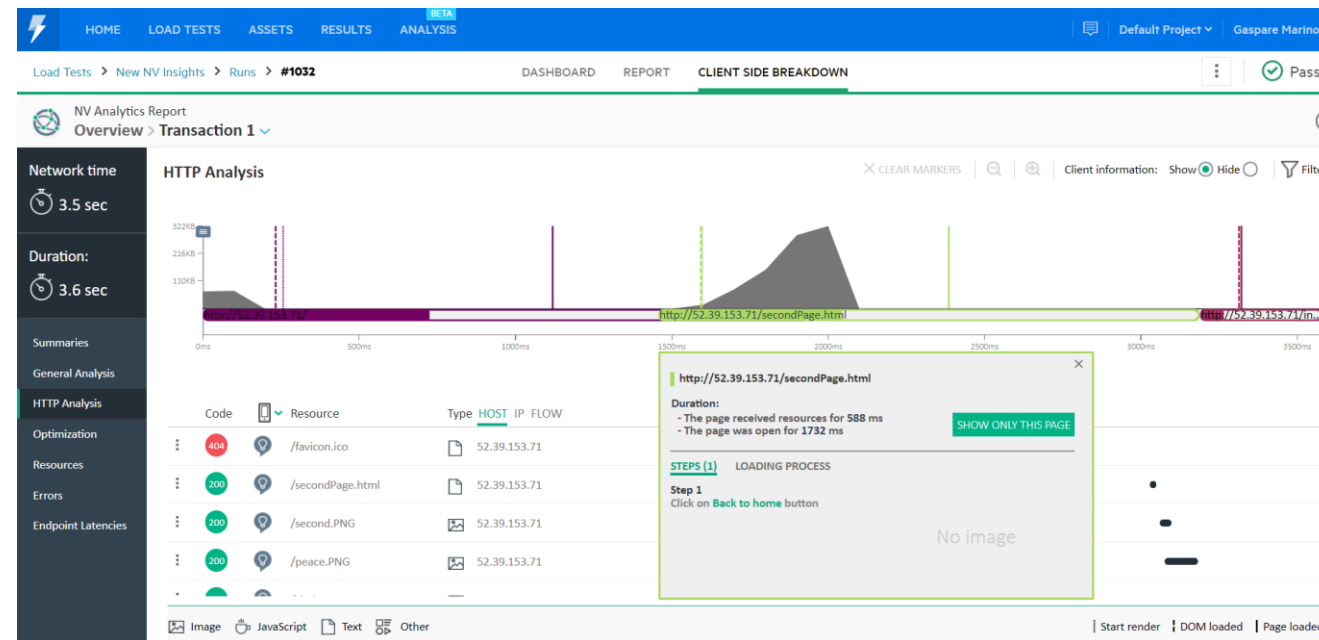


Quality reported in ALM Octane

CI runs performance tests

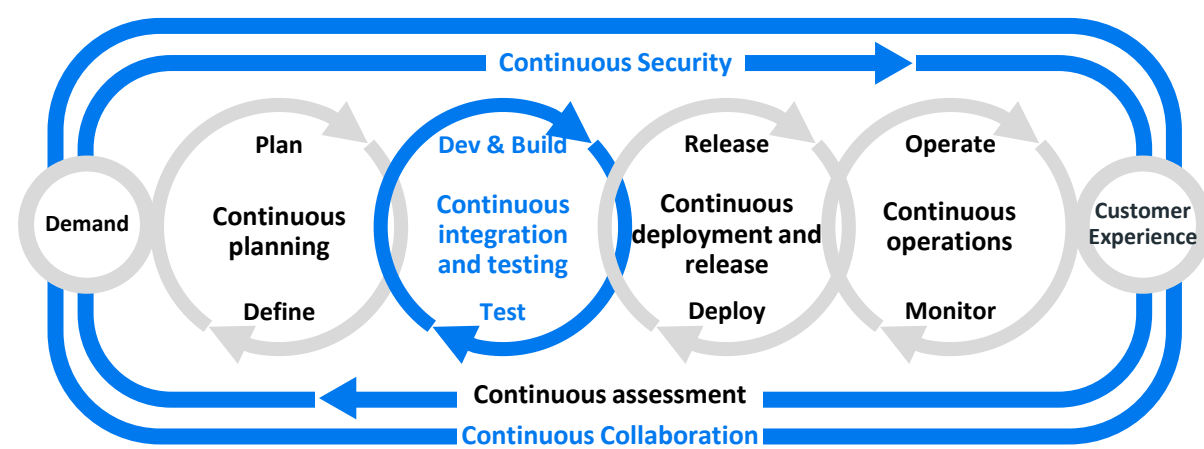



Performance Testing in
StormRunner Load

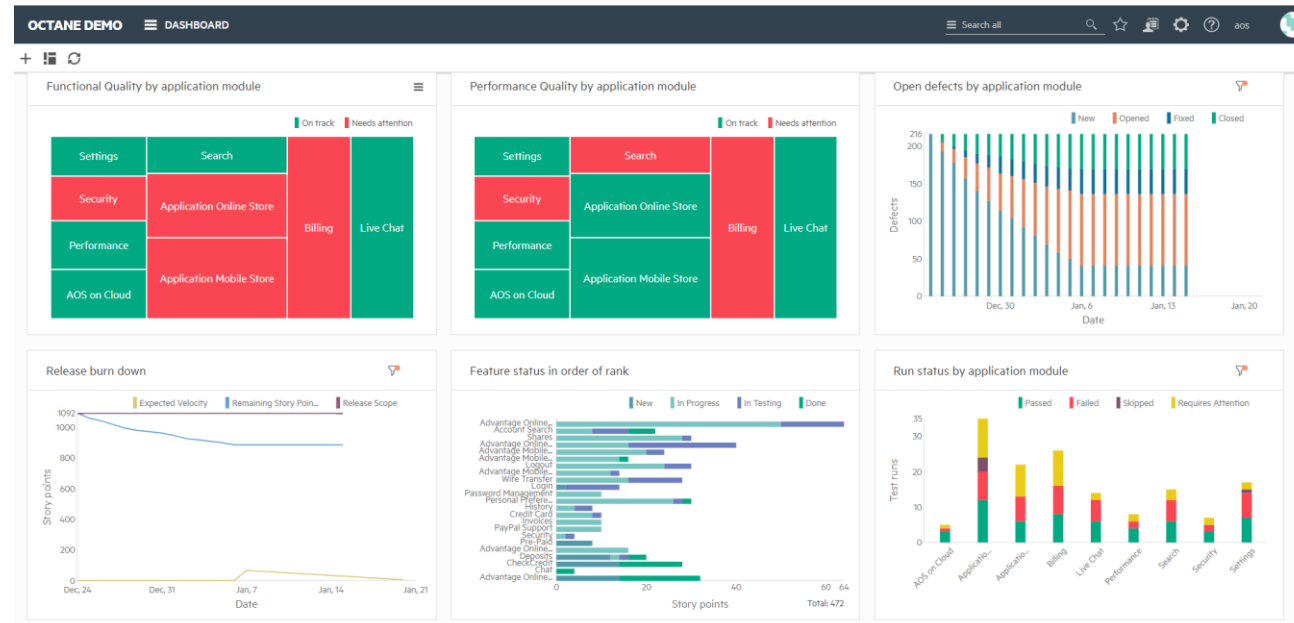



Results reported
in ALM Octane

Release Control

Judy Parker
Product Owner

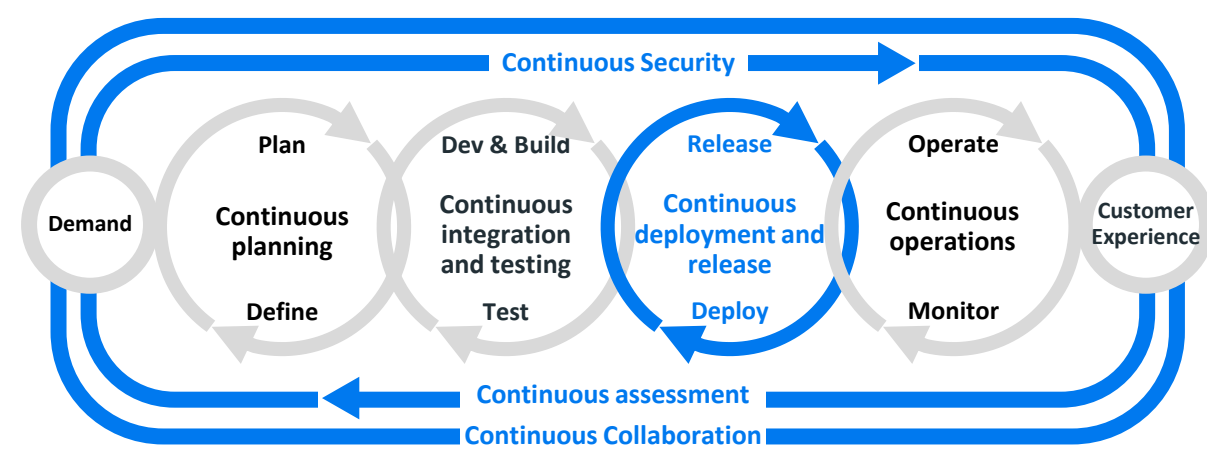



Fredric Hernandes
Operations Engineer

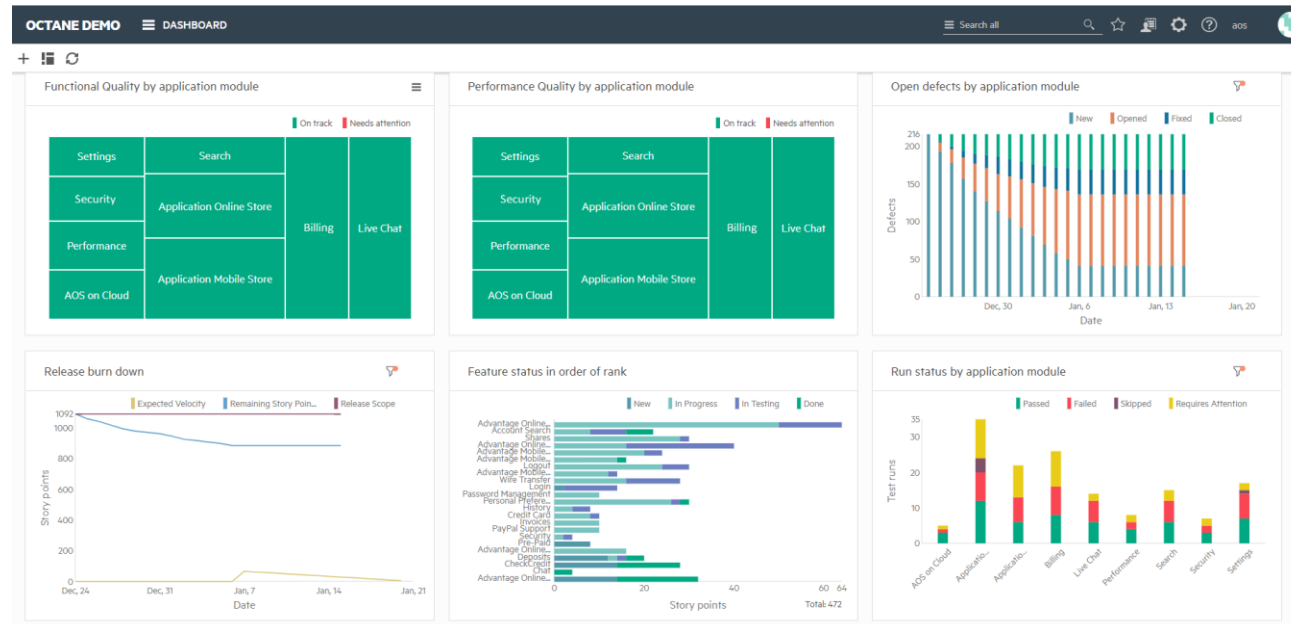


Monitor release readiness in ALM Octane

Release Control



Judy Parker
Product Owner

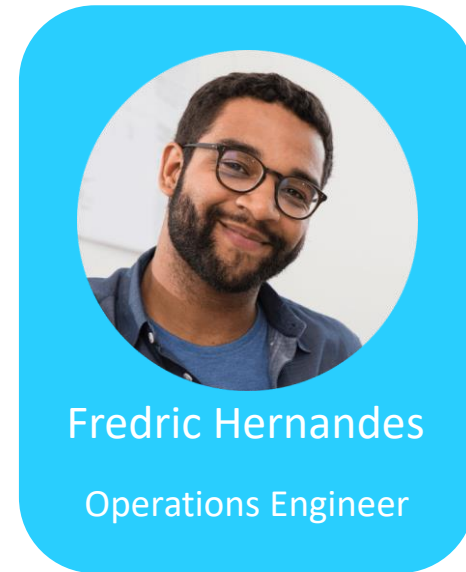
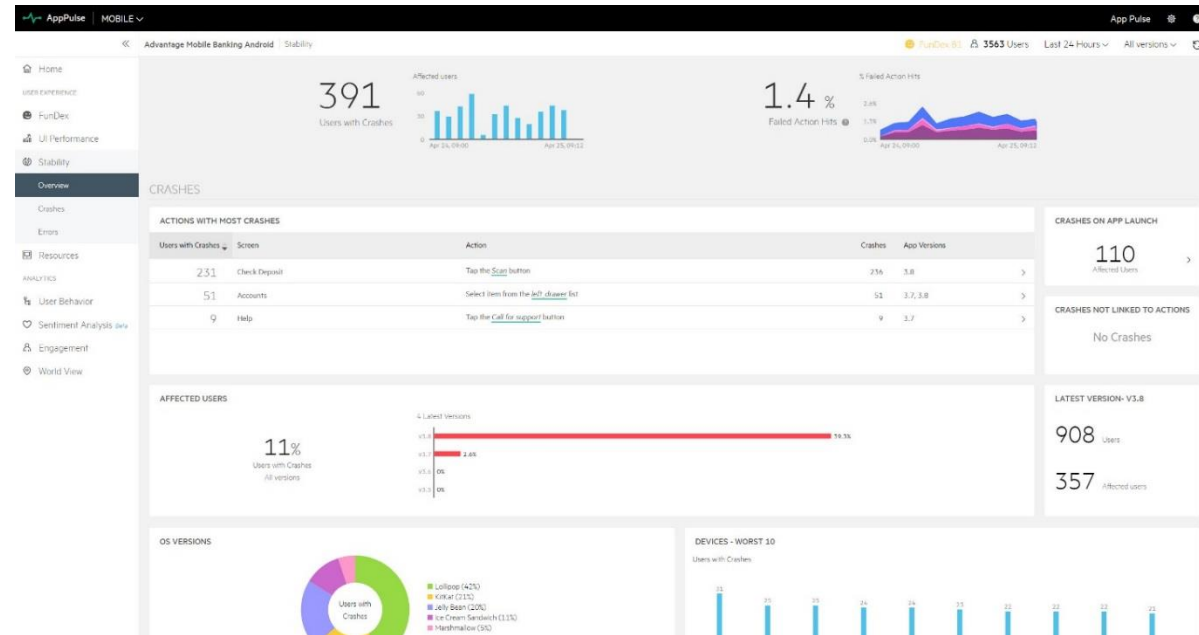
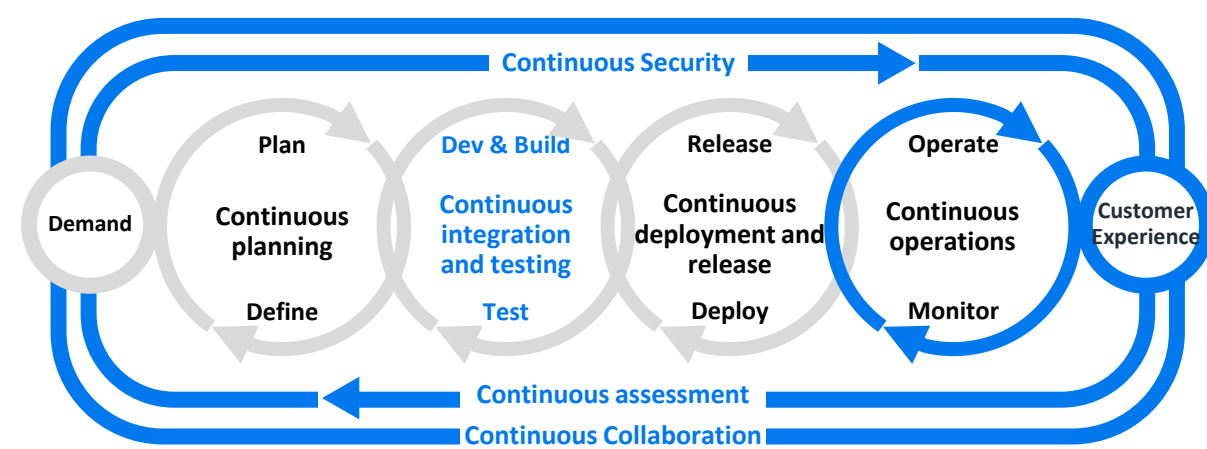


Fredric Hernandes
Operations Engineer




Monitor release readiness in ALM Octane

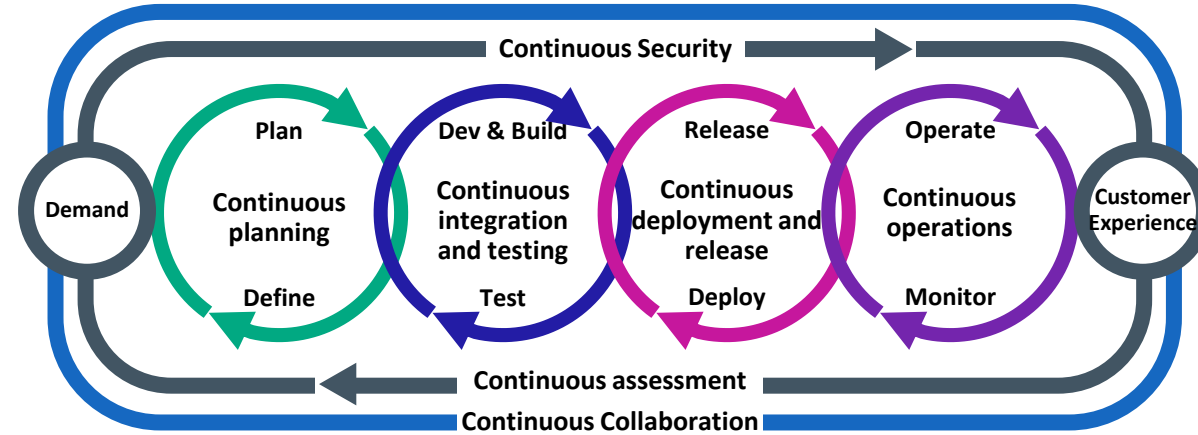

Operate and monitor in production




Fredric Hernandez
Operations Engineer

 Monitor with AppPulse


Operate and monitor in production


Judy Parker
Product Owner




Anika Bendali
Developer



Troy Michanna
DevTester



Fredric Hernandes
Operations Engineer



Anaya Lakshmi
Performance Engineer



Harry Janson
Security Tester

dVantage DEMO

OUR PRODUCTS SPECIAL OFFER POPULAR ITEMS CONTACT US

SPEAKERS TABLETS HEADPHONES

LAPTOPS

Susan Philips
Mobile App Customer

Close the loop with chatops

The screenshot shows a Slack channel named #core-service. The chat history includes:

- Service Manager** 10:09 AM: A **Major Incident** [IM10058](#) has been opened on core-service and assigned to @jim.ops : User cannot access the banking system
 - Task T358 – Check service status – assigned to @jack.ops
 - Task T359 – Get DB logs – assigned to @sue.dba
 - Task T360 – Triage root cause – assigned to @jim.ops
- jack.ops** 10:10 AM: Looking at...
- Service Manager** 10:10 AM: [IM10058](#) Task...
- Service Manager** 10:10 AM: [IM10058](#) Task... sent by @... fine
- jim.ops** 10:11 AM: @mary.infra... DB, could...
- mary.infra** 10:12 AM: Looks like there's an issue in server iwvm05806, I'll restart it.
- jack.ops** 10:14 AM: Service is up again.
- jim.ops** 10:14 AM: Thanks. I'll close the Incident.
@smbot: close incident [IM10058](#) "issue was in a VM. Need to analyze it"
- Service Manager** 10:15 AM: [IM10058](#) closed; comments by jim.ops: issue was in a VM. Need to analyze it.

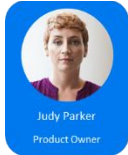
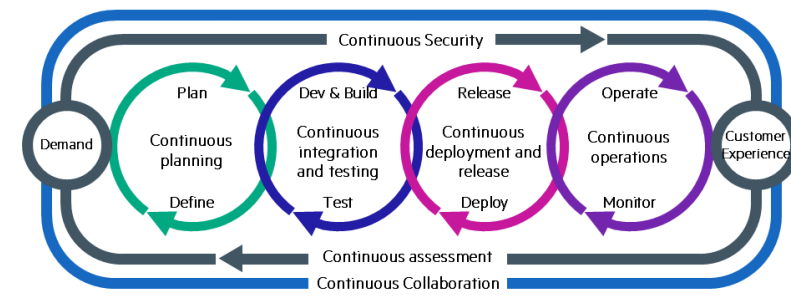
Two chatops tool icons are overlaid on the chat: **ALM Octane** (a green icon with a white geometric shape) and **AppPulse** (a green icon with a white heartbeat line).

Surrounding the chat are six circular profile cards with names and roles:

- Judy Parker**, Product Owner (blue card)
- Fredric Hernandes**, Operations Engineer (light blue card)
- Anaya Lakshmi**, Performance Engineer (blue card)
- Anika Bendali**, Developer (purple card)
- Troy Michanna**, DevTester (dark blue card)
- Harry Janson**, Security Tester (magenta card)

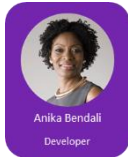
Demo

Recap



Issue detected

- Product owner assesses impact
- Product owner assigns a developer to solve it



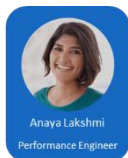
Developer implements a fix

- Developer writes code to fix it
- Developer initiates a build



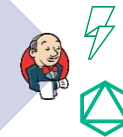
CI runs functional tests

- The CI system triggers the functional tests
- Tests run on many devices and environments



CI runs performance tests

- The CI system then runs the load tests
- Ensures that the system is stable under load



Operate in Production

- Team continuously monitors user experience
- Everyone sees the dashboard



ALM Octane
Lifecycle & Pipeline Management



StormRunner Functional
Functional Testing
Mobile Device Lab



StormRunner Load
Performance Testing



AppPulse
Production Monitoring

The Micro Focus DevOps Suite

An integrated set of products that help you **govern, test, manage, monitor** and **improve** your software.

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for lifecycle and pipeline management;

StormRunner Functional

for functional testing of web and mobile applications;

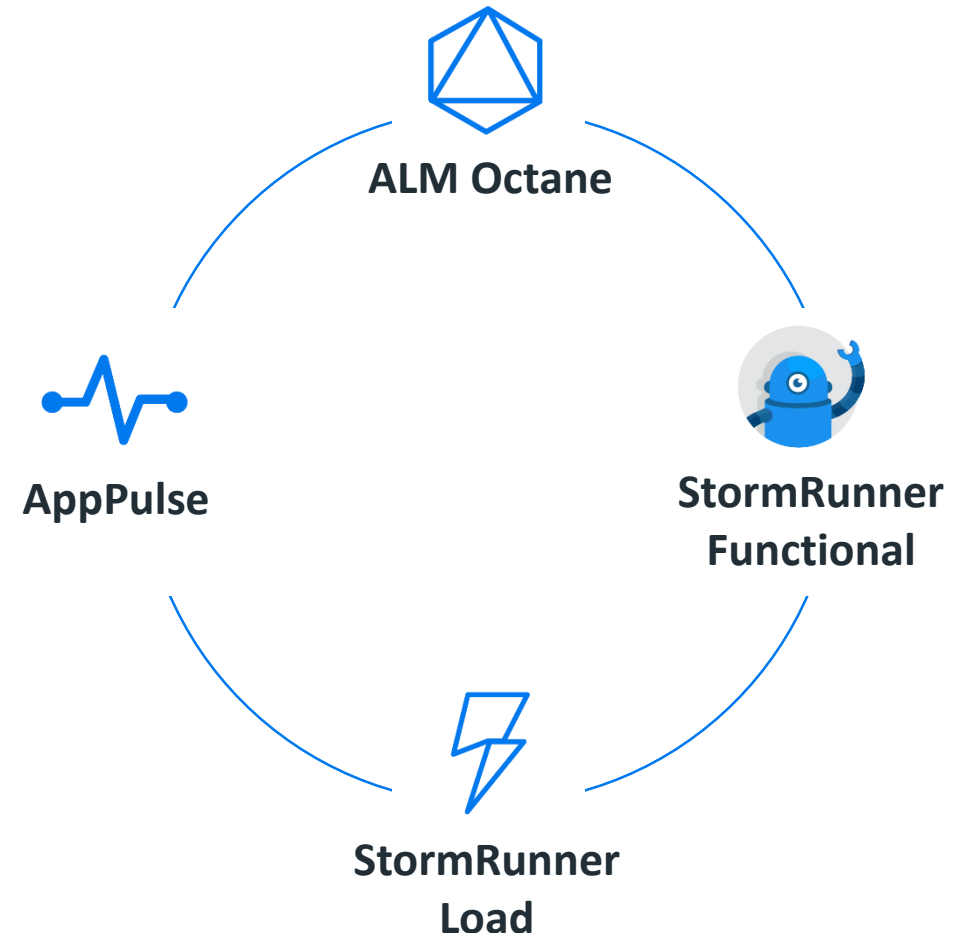
StormRunner Load

for performance testing of web and mobile applications;

AppPulse

suite to monitor and adapt your products' user experience in production

<http://microfocus.com/devopssuite>, devops@microfocus.com





Thank you.

www.microfocus.com

Upcoming Vivit Webinars

April 17, 2018

SIG Talk: Quality and Testing - Proven Practices

9:00 - 10:00 AM PST (Los Angeles), 12:00 PM - 1:00 PM EST (New York), 18:00 - 19:00 CET (Frankfurt)

<https://vivitworldwide.site-ym.com/events/EventDetails.aspx?id=1083510&group=>

April 19, 2018

SIG Talk: IT Operations - SACM/OpsBridge

8:00 - 9:00 AM PST (Los Angeles), 12:00 PM - 1:00 PM EST (New York), 18:00 - 19:00 CET (Frankfurt)

<https://vivitworldwide.site-ym.com/events/EventDetails.aspx?id=1081712&group=>

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Thank you

- Complete the short survey and opt-in for more information from Micro Focus.

<http://microfocus.com/devopssuite>

www.vivit-worldwide.org



YOUR INDEPENDENT MICRO FOCUS SOFTWARE USER COMMUNITY





Thank You
vivit-worldwide.org

