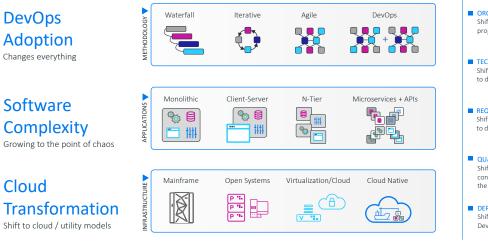


## The Micro Focus DevOps Suite

Sneha Crews Director of Support Services

#### **Modern Software Lifecycle Disruptions**



- CONTROL POINT SHIFTS
- ORGANIZATION Shift from IT centric to LOB projects with self-service
- TECHNOLOGY Shift from enterprise architecture to developer dominance
- REQUIREMENTS Shift from elicitation and sign-off to dynamic backlog
- QUALITY Shift from quality COEs to continuous quality in every part of the lifecycle
- DEPLOYMENT
   Shift from release trains to
   DevOps deployment automation

### **DevOps Market Overview**

- DevOps has evolved from a niche to a mainstream strategy
- Identified as a 'hot' market by leading analysts
- 88% of companies surveyed for the <u>World</u> <u>Quality Report 2017-18</u> use or experiment with DevOps, and this number is growing.
- DevOps-ready tools will continue to see the largest growth potential



#### **DevOps principles**

01

#### System Thinking



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

02

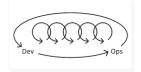
#### **Amplify Feedback Loops**



- Usage Analytics
- Data Driven Decision Making
- Behavior Analytics

03

#### Culture of Continual Experimentation and learning

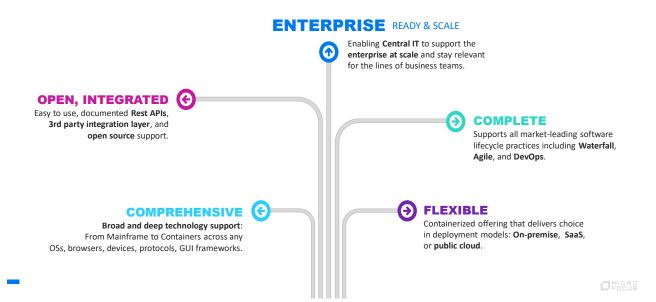


- A/B Testing
- Canary Testing
- Gradual exposure

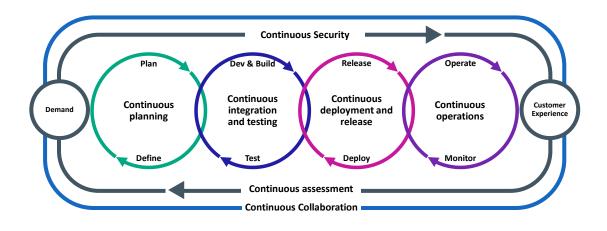
#### **Challenges of DevOps at Enterprise scale**

- **Y** Many tools and integrations
- Long test cycles
- Pipeline triage
- Communication and collaboration
- Budget allocation
- Legacy dependencies
- liance Regulatory compliance

#### **5** principles behind the Micro Focus DevOps Suite



## **Enterprise DevOps**



## MicroFocus | End-to-End DevOps

<ul> <li>Project &amp; Portfolio Mgmt</li> <li>Atlas</li> <li>Dimensions RM</li> <li>Caliber</li> <li>Rhythm</li> </ul>	Ousing Center / Octano Silk Conjugat	Software Change &	AccuRev
	CONTRACT STRENT	Configuration Mgmt	<ul> <li>Dimensions CM</li> <li>Star Team</li> </ul>
Enterprise Developer	A same a	Mainframe + COBOL	PVCS
Visual Cobol	OPERA	🗖 ChangeMan 🛛 StarTool	ESync TEST
<ul> <li>AppPulse</li> <li>Silk Performance Manager</li> </ul>		Functional Test UFT BPT	Performance Test  LoadRunner Performance Center
<ul><li>Hybrid Cloud Automation</li><li>Data Center Automation</li></ul>	DELIVERY	Sprinter StormRunner Functional Silk Test	<ul> <li>StormRunner Load</li> <li>Silk Performer</li> </ul>
ער		Silk WebDriver	Digital Lab
Deployment Automation	Data Insights Vertica	Security Test Fortify	<ul> <li>Mobile Center</li> <li>Service Virtualization</li> <li>Network Virtualization</li> </ul>
mamazon			
	<ul> <li>Silk Performance Manager</li> <li>Hybrid Cloud Automation</li> <li>Data Center Automation</li> </ul>	<ul> <li>AppPulse</li> <li>Silk Performance Manager</li> <li>Hybrid Cloud Automation</li> <li>Data Center Automation</li> <li>OY</li> <li>Deployment Automation</li> <li>Or Unit Insights</li> <li>Vertica</li> </ul>	<ul> <li>AppPulse</li> <li>Silk Performance Manager</li> <li>Hybrid Cloud Automation</li> <li>Data Center Automation</li> <li>DY</li> <li>Deployment Automation</li> </ul>

### The Micro Focus DevOps Suite

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

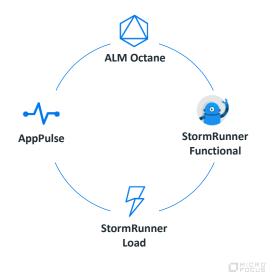
ALM Octane for lifecycle and pipeline management;

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



## A Day in the Life of a DevOps Team

## Let's buy a laptop





## **DevOps Team**



12

11

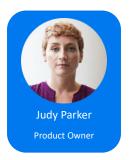
# Customer experiences an issue with the app

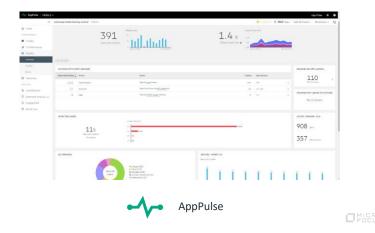


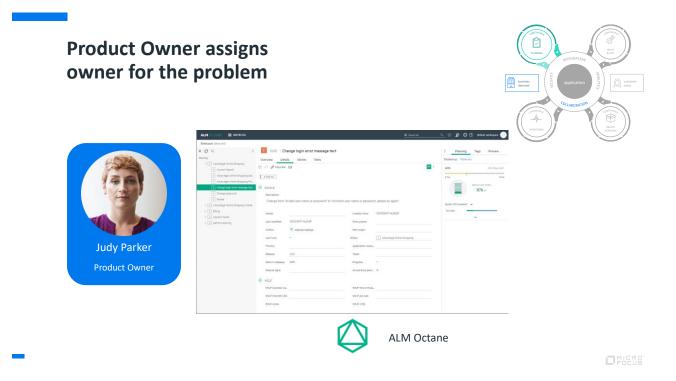


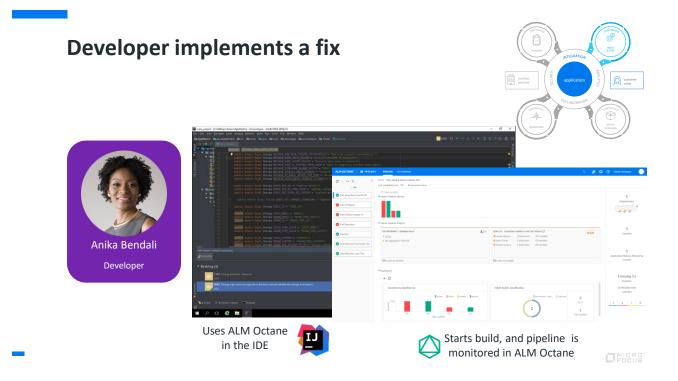
Q customer

#### Product Owner Assesses Impact







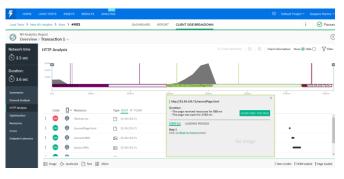


#### **CI** runs functional tests business demand $\bigcup_{value}^{customer}$ .... نع O MICRO 0 **TESTING THE APPS** OF TOMORROW, TODAY. Troy Michanna DevTester 0 Quality reported Functional testing in in ALM Octane StormRunner Functional -----

**CI runs performance tests** 







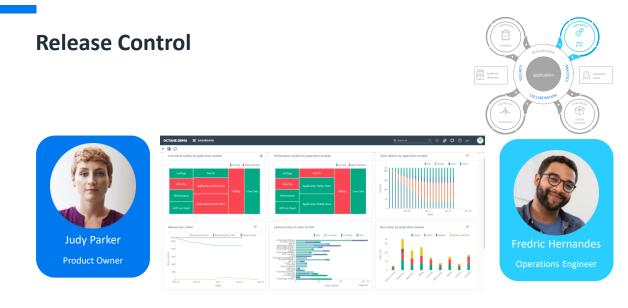


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## **CI runs security tests**

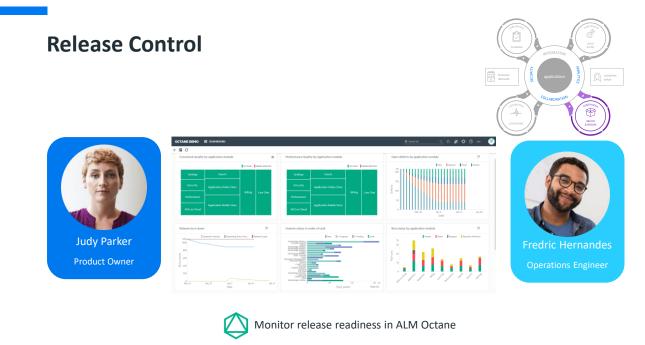


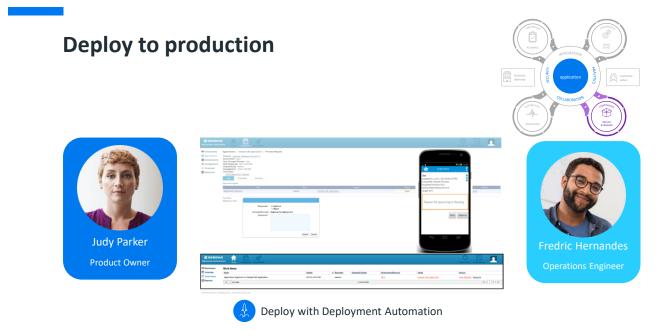
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Harry Janson	Demo App for Deletion 4 RELEASES Business Criticality: HIGH		STATIC DYNAMIC NETWORK MONTORING APP OES	2013/04/25 Release Created	→ 🛆		
	everywhere.com 4 RELEASES Business Criticality: HIGH	PAIL ORTCAL HIGH HEDUN U ★1015131307 22 23 441	LOW STATIC DYSAME NETRORC HONTORNS APP DEF	2010/04/11 Release Failing Security Policy			
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Monitor release readiness in ALM Octane







# Operate and monitor in production



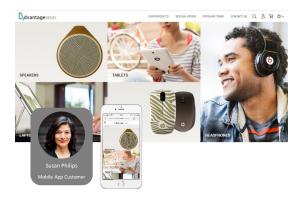
24













DFOCUS

#### Recap

Active and a second	Issue detected	<ul> <li>Product owner assesses impact</li> <li>Product owner assigns a developer to solve it</li> </ul>	*
Aita Bandal Budasa	Developer implements a fix	<ul><li>Developer writes code to fix it</li><li>Developer initiates a build</li></ul>	
Fight Frank Dr. dat	CI runs functional tests	<ul><li>The CI system triggers the functional tests</li><li>Tests run on many devices and environments</li></ul>	
Areve skolerer Holemanskaperer	CI runs performance tests	<ul><li>The CI system then runs the load tests</li><li>Ensures that the system is stable under load</li></ul>	₽ <sup>₽</sup>
Fact y Life and Scaling factor	Cl runs security Tests	Cl then runs the security tests     Reports the status back to the team's dashboard	<b>₽</b> ₽
For all of the second	Deploy to Production	<ul><li>When everything is green, deploy to production</li><li>The deployment is tested</li></ul>	<b>€</b>
	Operate in Production	<ul><li>Team continuously monitors user experience</li><li>Everyone sees the dashboard</li></ul>	



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Sneha Crews Director of Support Services skumar@checkpointech.com

# Thank you.