



YOUR INDEPENDENT HPE SOFTWARE COMMUNITY



What's New in HPE Mobile Center

October 6, 2016

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**Hewlett Packard
Enterprise**



Hosted By



Bob Crews
President
Checkpoint Technologies
Florida Chapter Leader



Today's Speakers



Evgeny Karasik
R&D- Functional Architect
Hewlett Packard Enterprise



David Landsberg
Senior Product Manager
Hewlett Packard Enterprise



Housekeeping

- This “LIVE” session is being recorded
Recordings are available to all Vivit members
- Session Q&A:
Please type questions in the Questions Pane



Webinar Control Panel

Toggle View Window between Full screen/window mode.

Questions





Hewlett Packard Enterprise



Master the mobile app lifecycle

with a User Experience mindset

The user experience is everything



**Simplicity is
the ultimate
sophistication.**

Roadblocks to a great user experience

Some control

Ever evolving technology



Multiple versions of your own app



Enterprise Systems

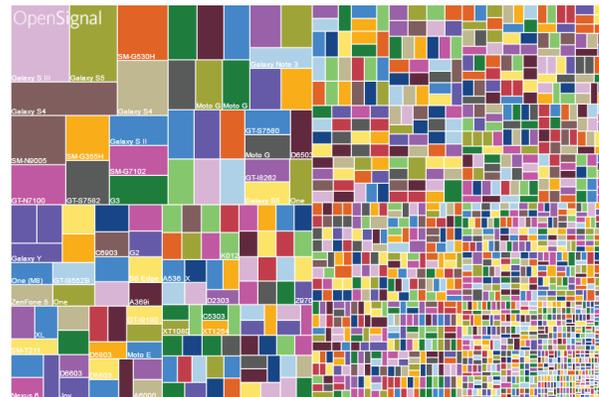


No control

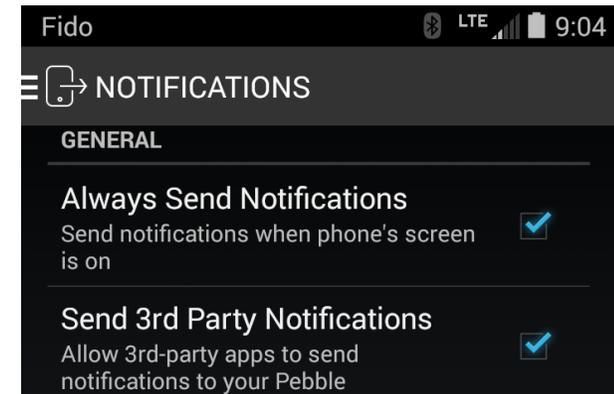
Users' context



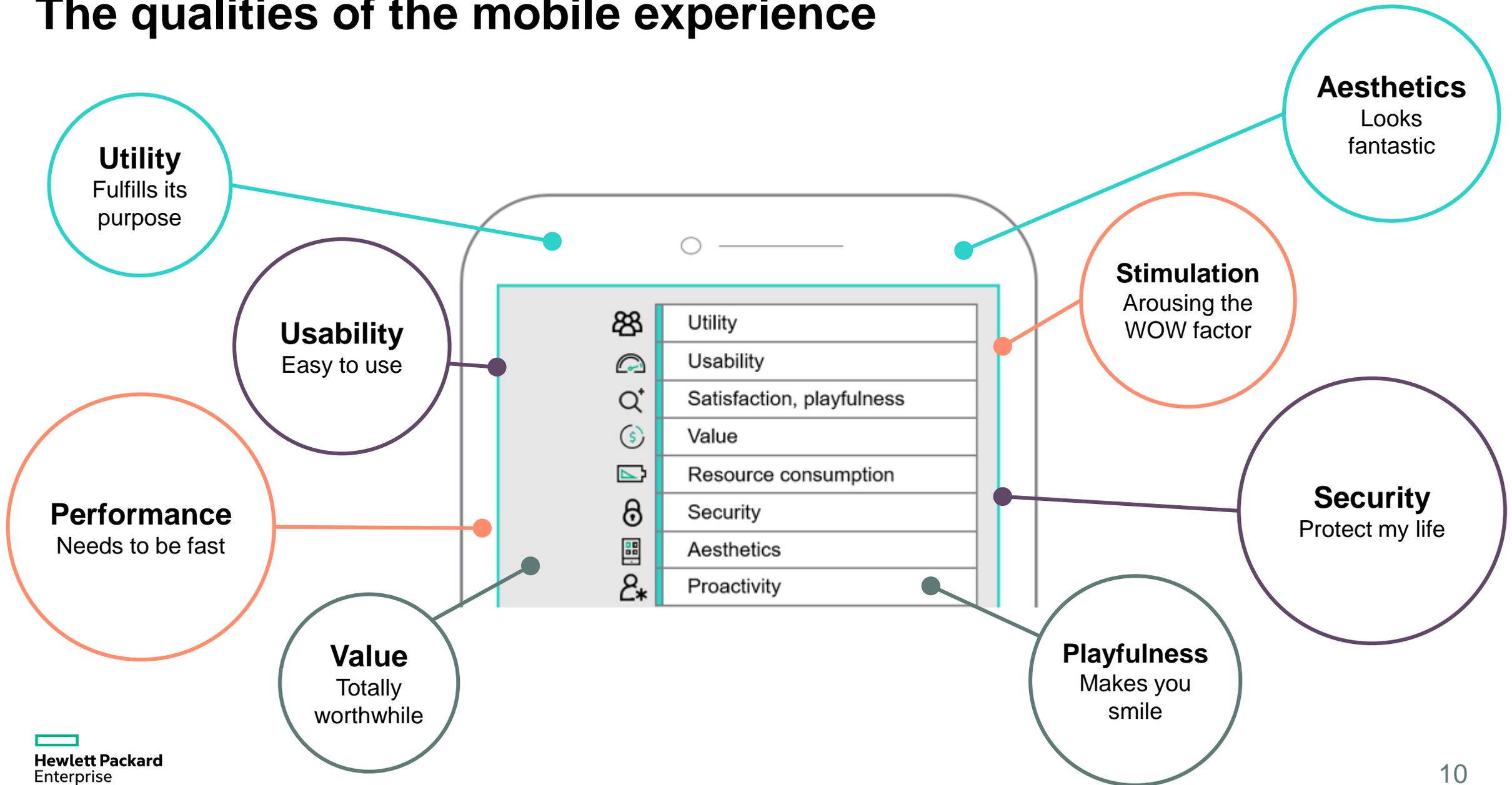
Device/OS Fragmentation



Interactions, events,



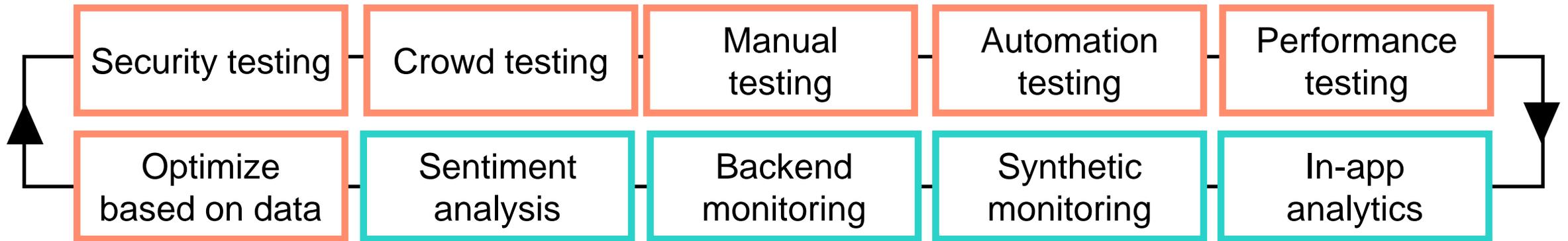
The qualities of the mobile experience



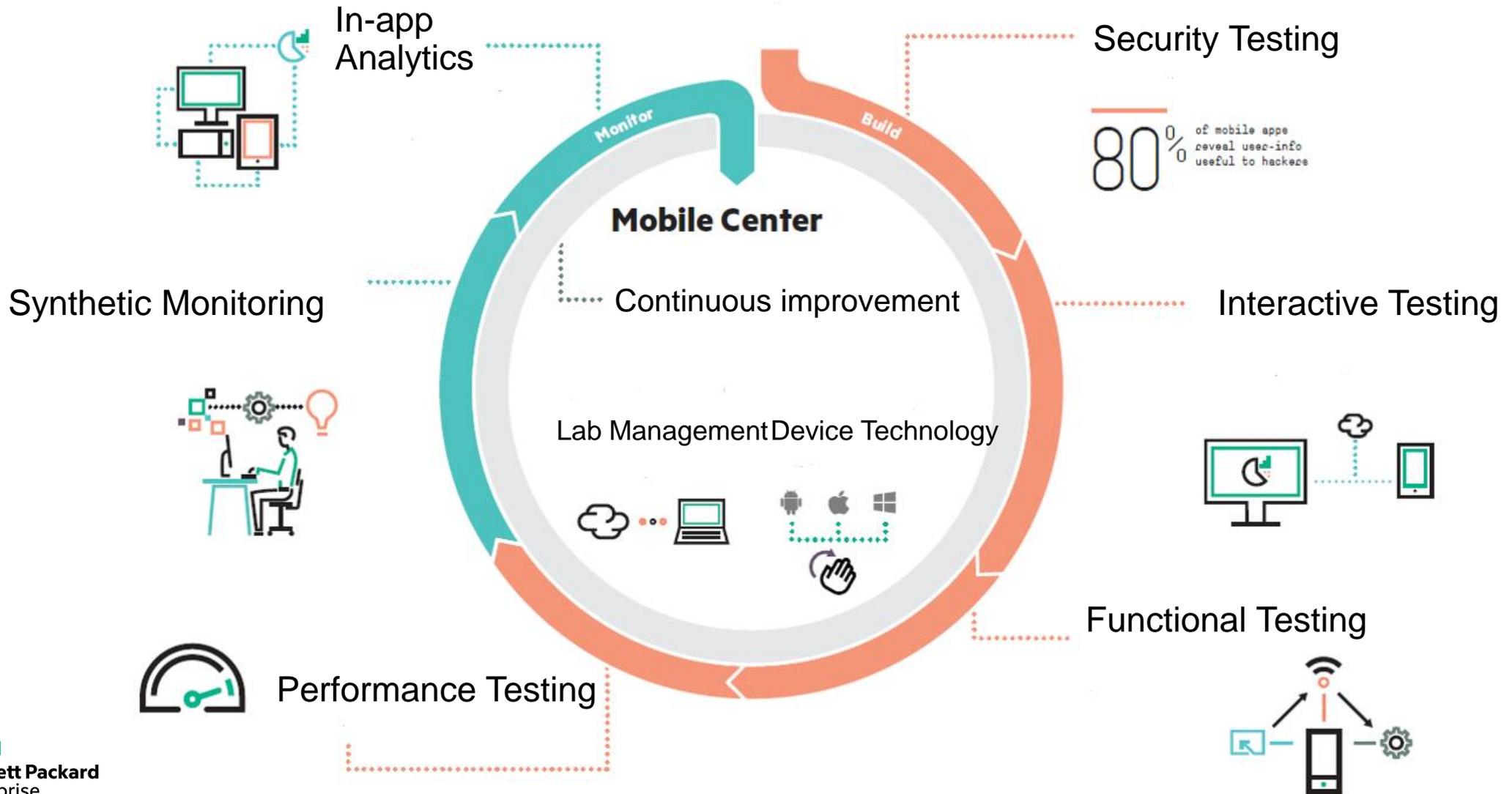


HPE Software helps customers deliver high-quality mobile apps and ensure a consistent, positive user experience under any circumstance.

Approaching the mobile app lifecycle with a UX mindset



Introducing the HPE Mobile App Solution

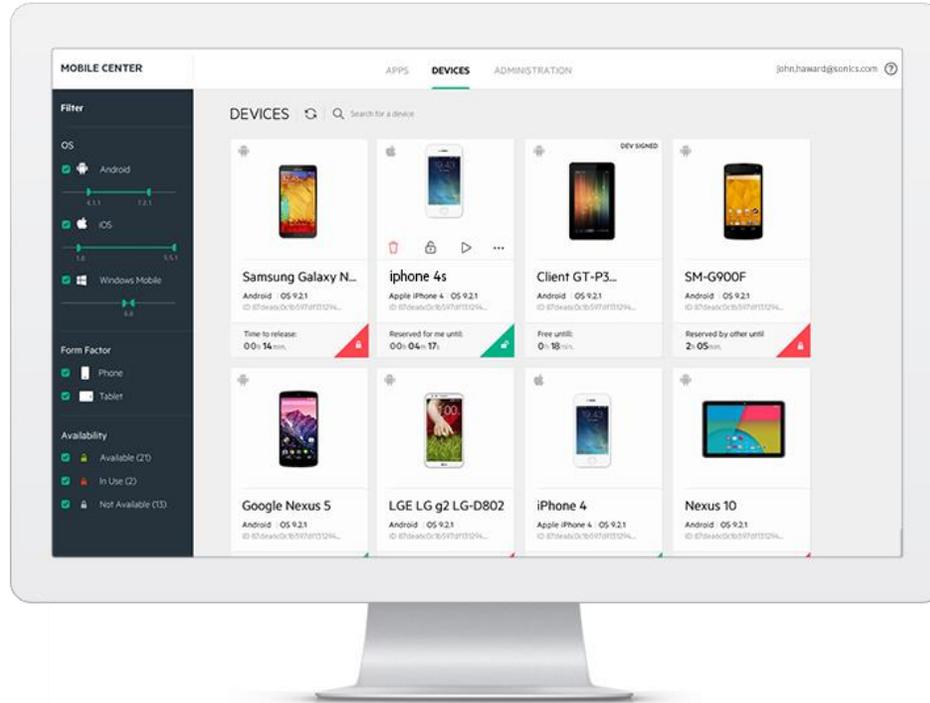


HPE Mobile Center

Your single gateway to the mobile technology

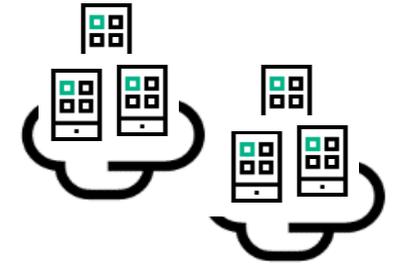
Your private cloud

Real devices
Emulators



HPE Mobile Center

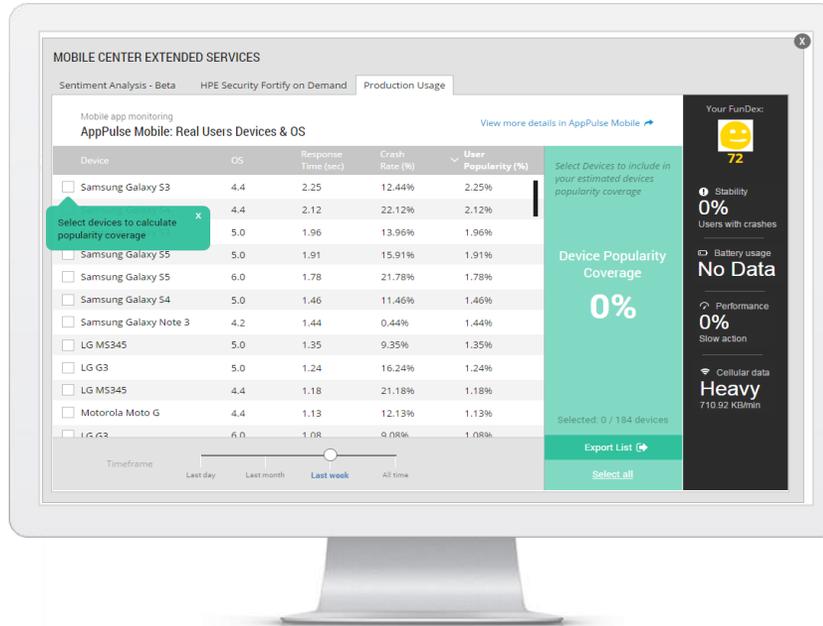
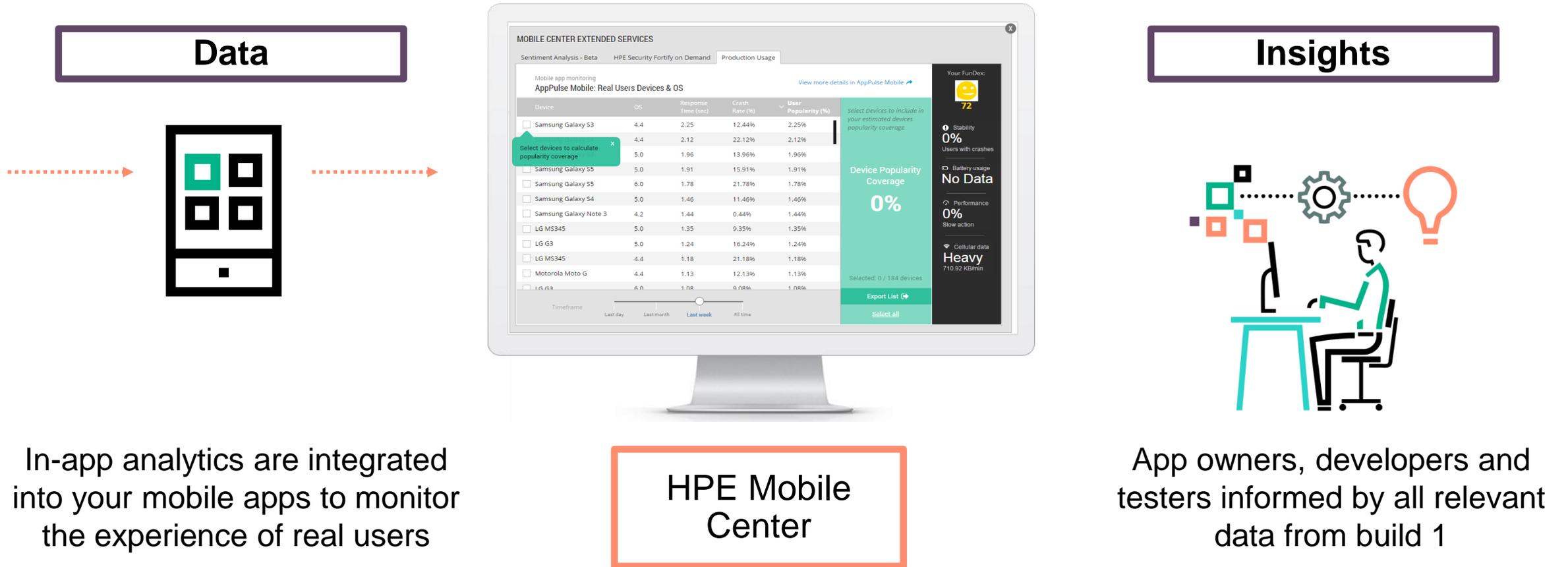
Public cloud



amazon web services Device Farm

Step 1: Shift mobile analytics left

HPE Mobile Center comes with HPE AppPulse Mobile



Why integrate Security?

Security breaches can cost your company millions



The cost of security failures is high

\$1M

Regulatory compliance cost

Average cost of a single violation for credit card companies

\$5.4M

Average breach cost

Average cost per data breach in the USA (lowest \$1.5M in India)

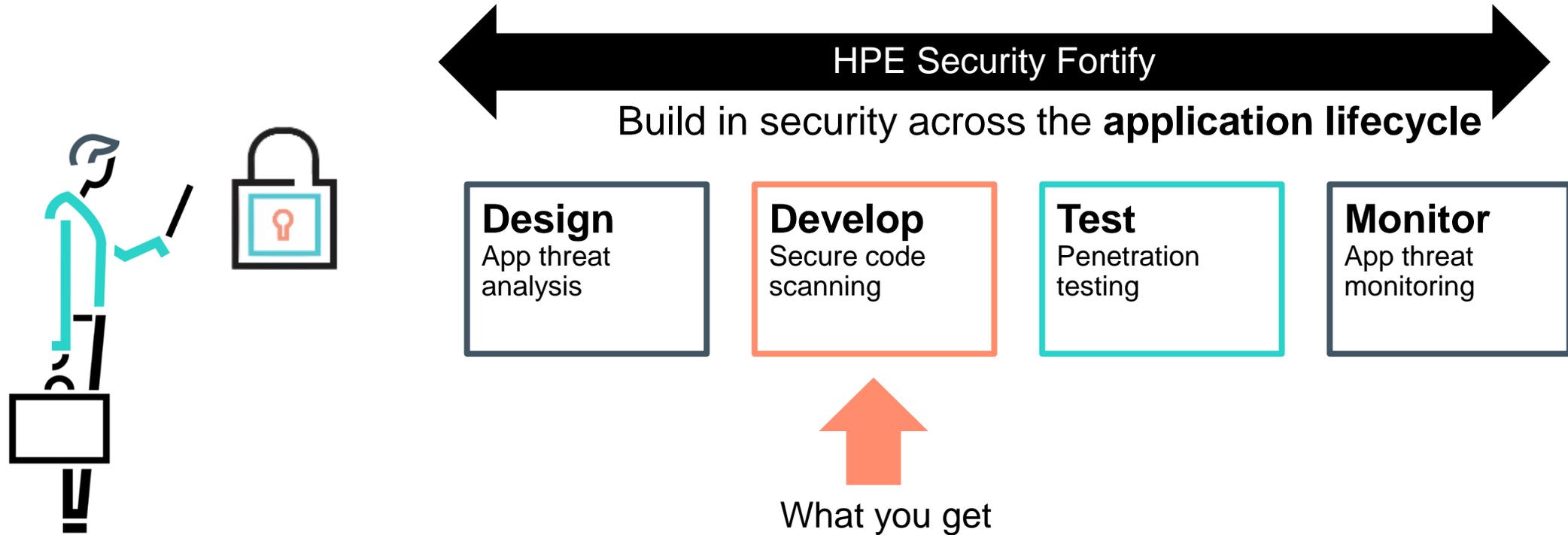
\$20M

Single breach cost

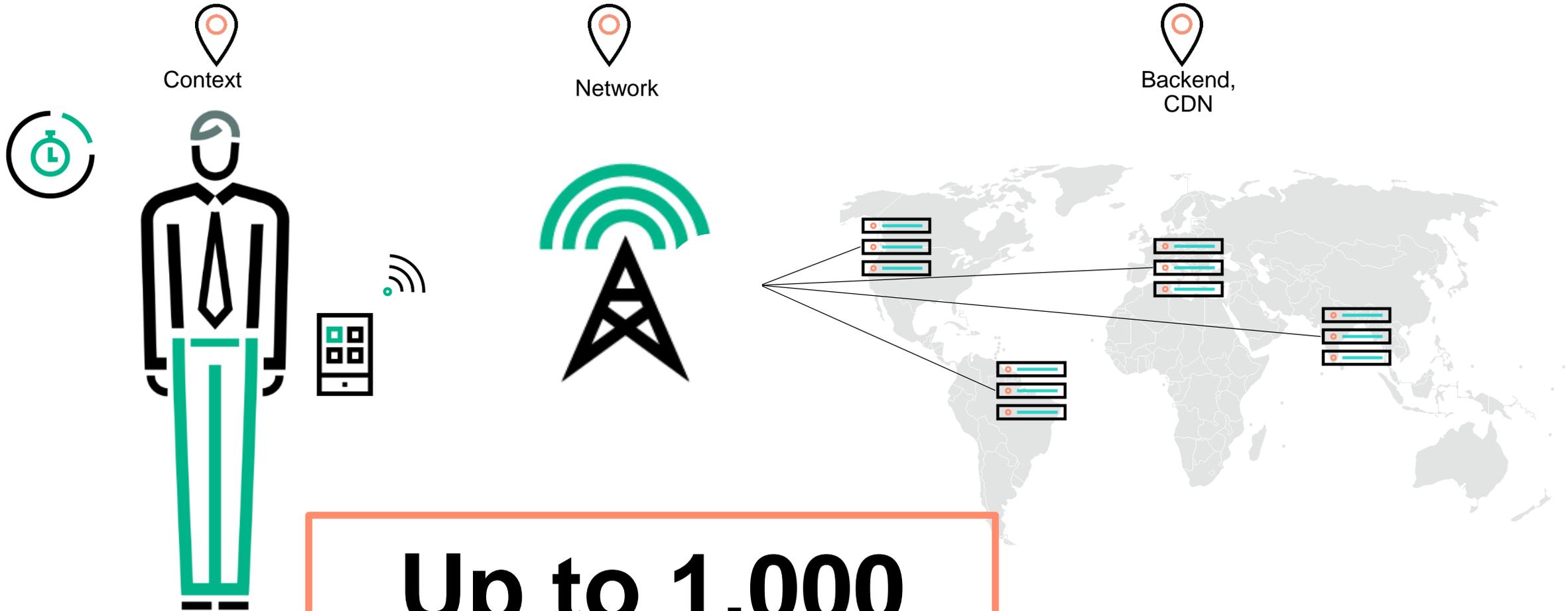
Cost to a US Government agency after breach of 26.5M records

Step 2: Submit your app for security scans

HPE Mobile Center comes with HPE Security Fortify



How to optimize the mobile client performance?



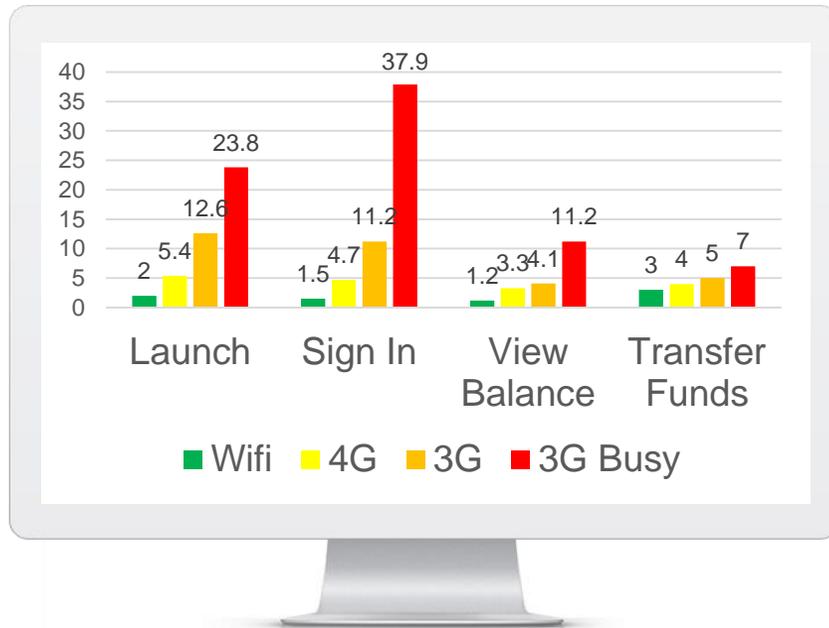
Up to 1,000

times slower than local performance

Step 3: Identify the performance offenders earlier

HPE Mobile Center comes with HPE Network Virtualization

Simulate network conditions

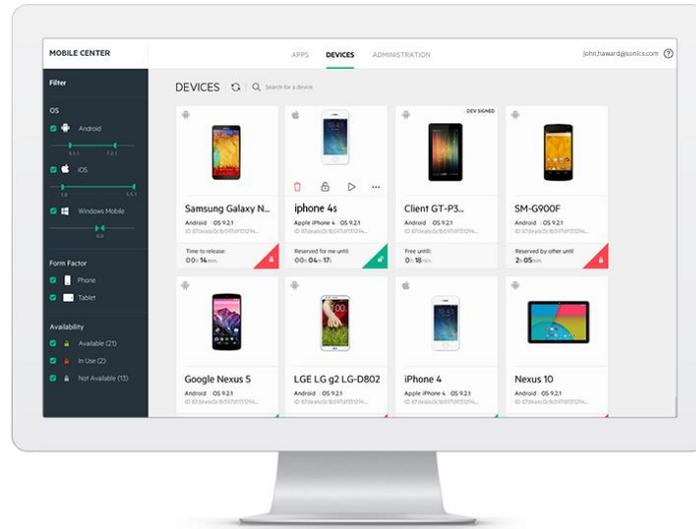


Identify and remove bottlenecks

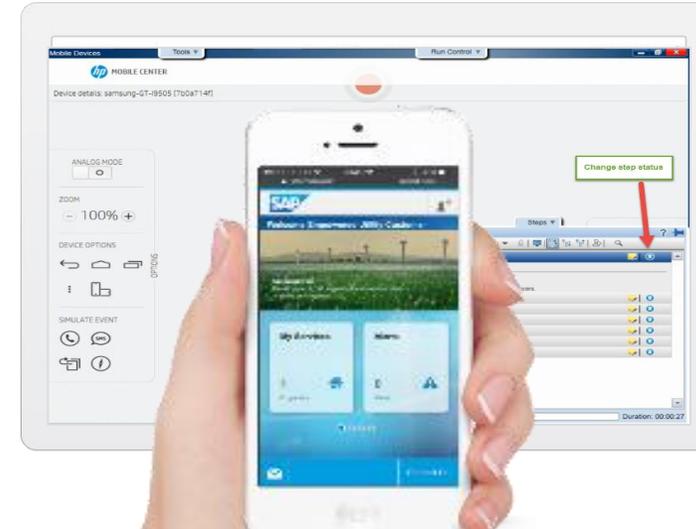


Step 4: Accelerate Manual Testing

Structured exploratory and interactive testing



HPE Mobile Center



HPE Sprinter

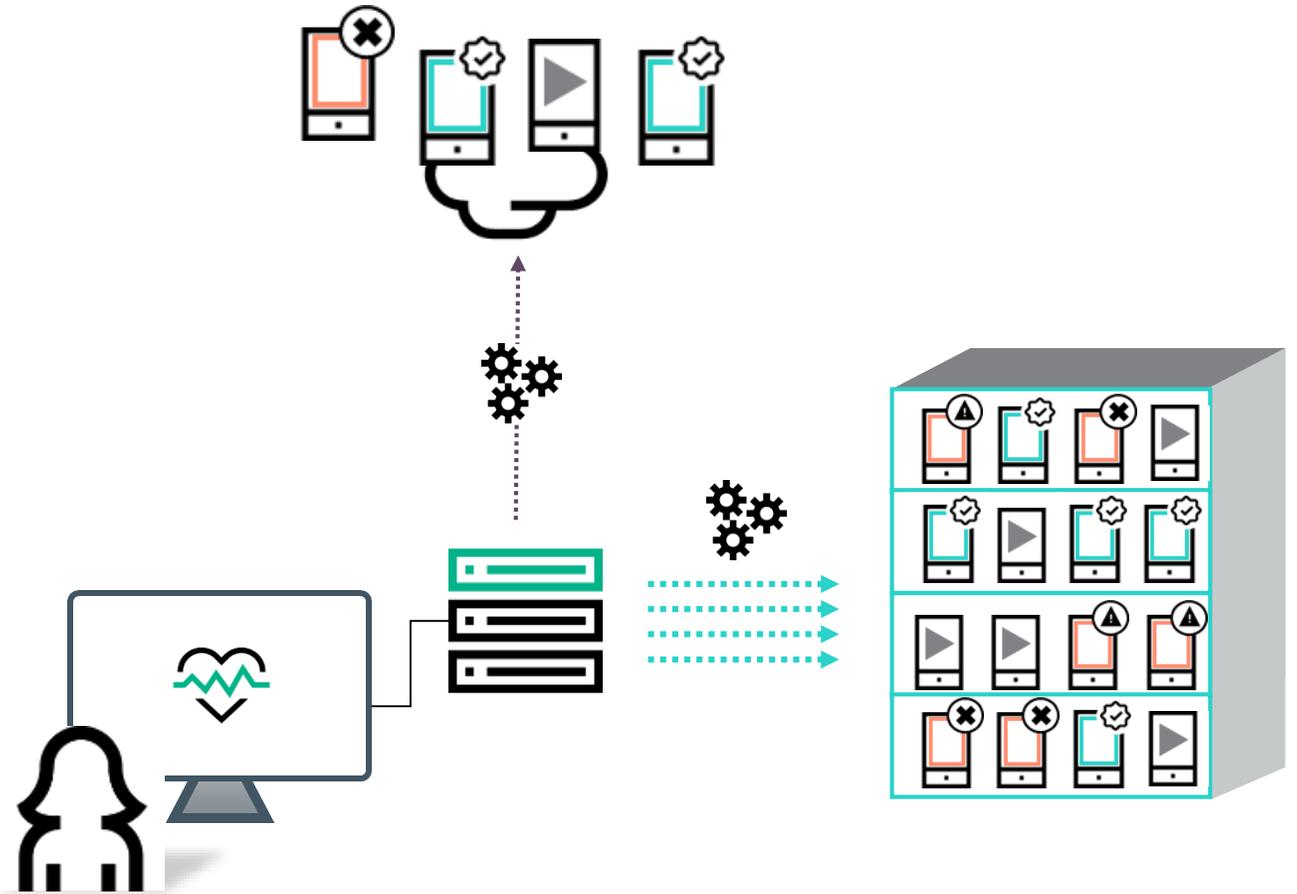
Unleash the testers creativity by exploring the app with a user mindset, seamlessly report back on the defects, provide feedback on the design, while slashing test cycle time

Will your app survive in the app jungle?

Not enough time to validate all combinations

Too many releases, too often

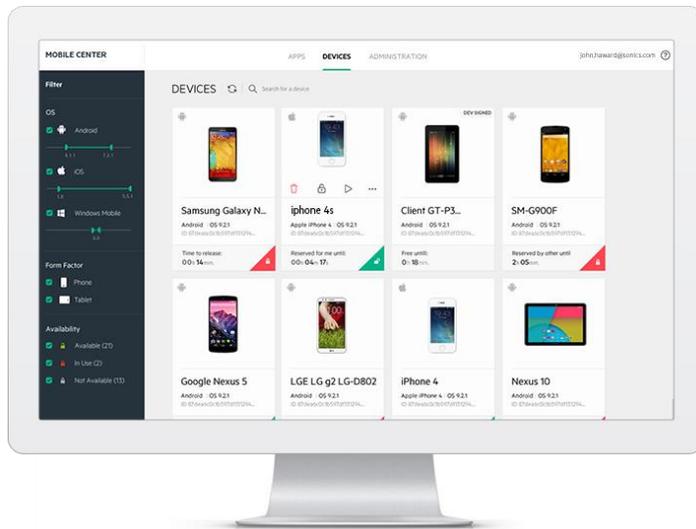
Not mature enough to automate



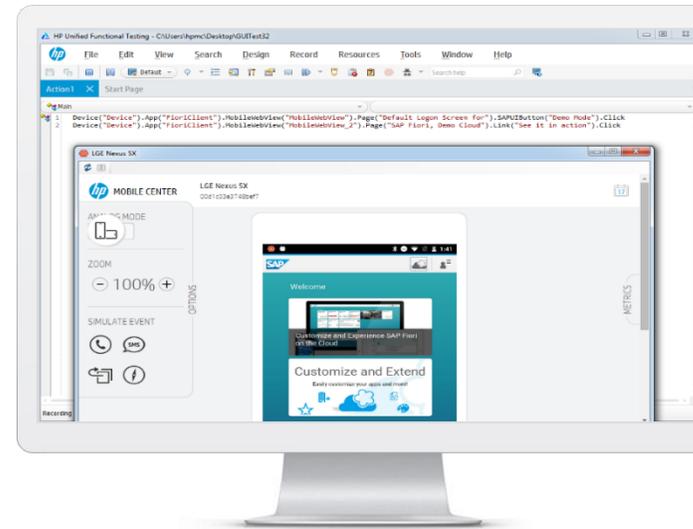
Step 5: Automate Functional Testing

Automate the sheer number of test cases

Increase test coverage and speed up test cycle with object-based automation, easy maintenance and smart reports, supporting remote and local iOS and Android devices



HPE Mobile Center



HPE UFT/LeanFT, Selenium, Appium



HPE UFT



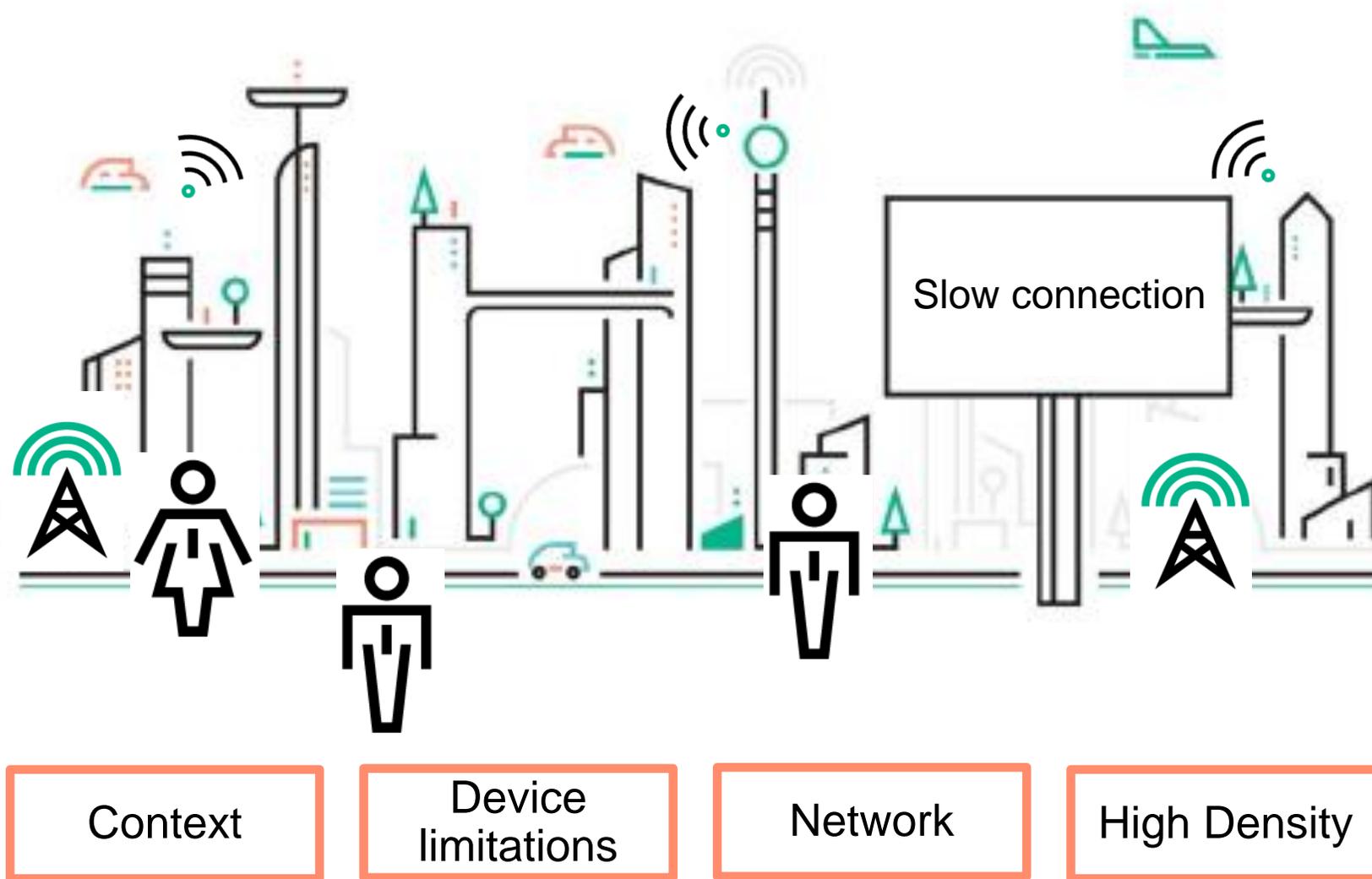
HPE LeanFT



appium

Smart defects for easier and faster remediation

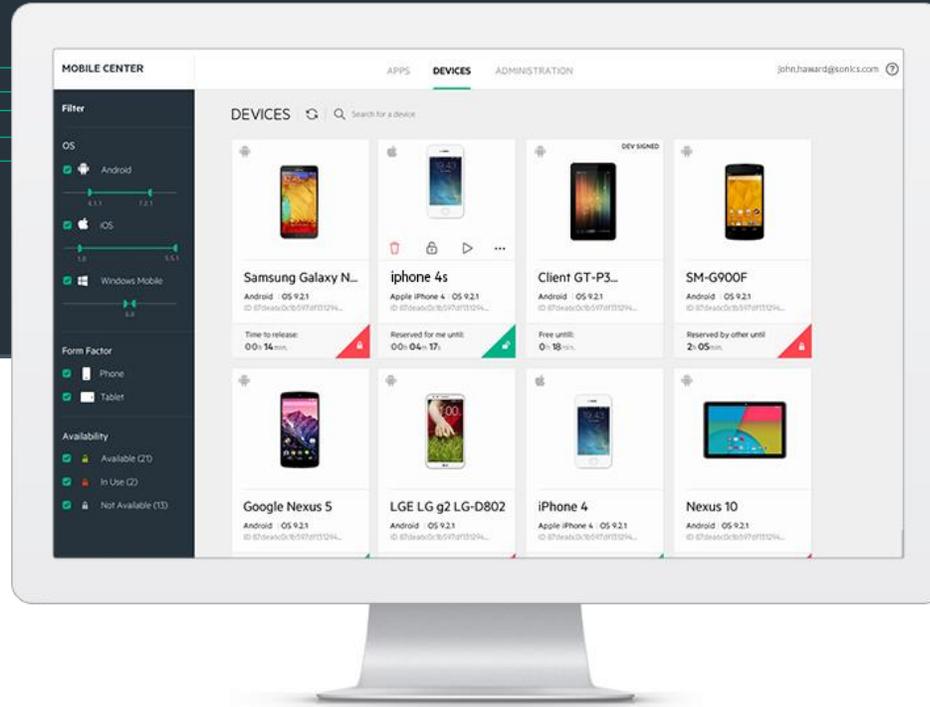
Will performance follow?



HPE MOBILE CENTER



Android, iOS, Windows
Private cloud of devices
Amazon device farm
Google and Genymotion emulators



Free security scans
HPE Fortify



Mobile analytics
HPE AppPulse Mobile



Sentiment analysis
HPE Haven on demand



Crowd Testing
Ubertesters



Compliance
SafeDK

Application Delivery

Manual Testing
Sprinter

Functional Testing
UFT LeanFT Selenium Appium

Performance Testing
Load Runner StormRunner Performance Center

Network Virtualization and Analytics

Operations Management

Mobile Monitoring
AppPulse Active Application Performance Management

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Enterprise

HPE Mobile Center 2.01



Main themes of Mobile Center 2.01



Crowd Testing



SDK Scanning



Non-instrumented Hybrid applications

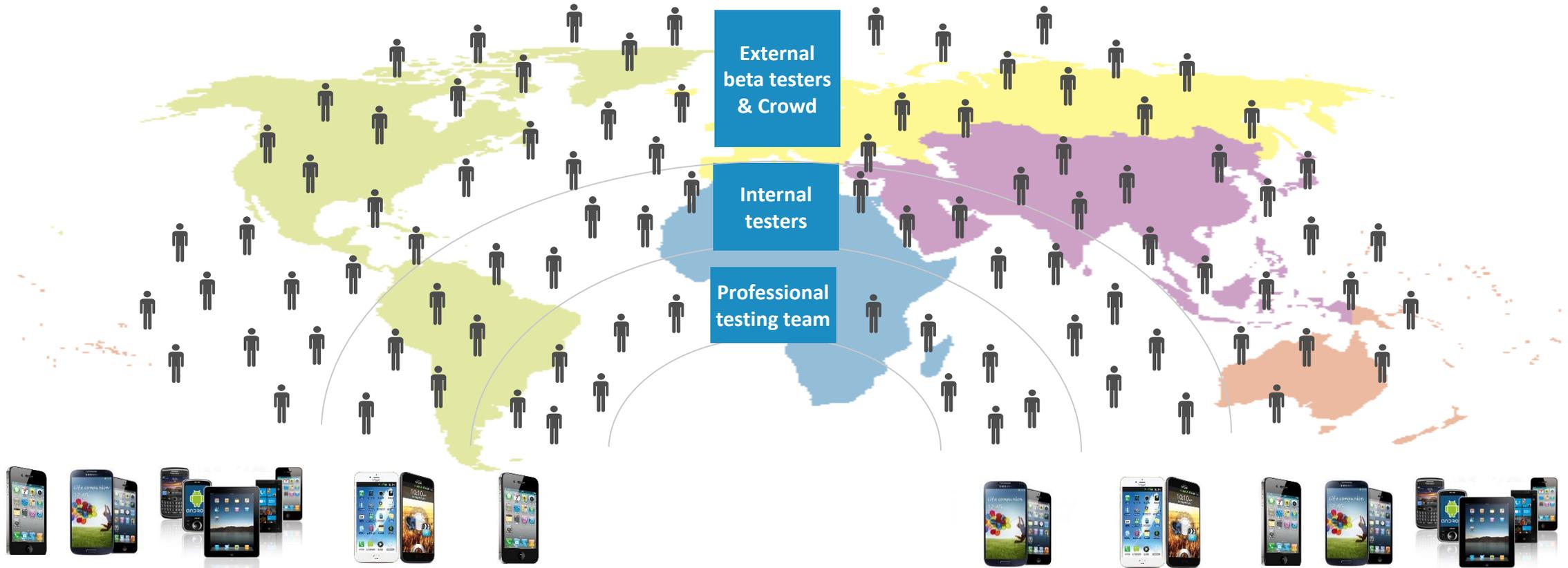


Record on Native Browsers



ALM Integration

New Beta/Crowd Testing and Management capabilities



Beta App
Distribution

Progress
tracking

Feedback
management

Team/Groups
management

Build
Management

Device
Management

Crowd Testing / Beta Testing via Ubertesters



LAST UPDATED
10/04/2016 9:31 AM

LATEST BUILD
3

MANAGE YOUR TEST

SESSIONS **23** | ISSUES **9** | CRASHES **0** | BUILDS **1** | ACTIVE USERS **1 / 3**

LATEST ACTIVITIES	SESSIONS	CRASHES	ISSUES
10/04/2016	1	0	1
09/30/2016	1	0	1
09/29/2016	2	0	2
09/28/2016	8	0	3
09/27/2016	11	0	5

Do you know what is inside your app?

App X-ray (SDK scanning) via SafeDK

SCANNED ON

09/26/2016 7:14 PM

YOUR APP CONTAINS

5 SDK(s)

RUN A NEW SCAN

scans left 3/4 [Get more scans](#)



Acra

Testing, Crash Reporting



AppPulse Mobile

Crash Reporting, Analytics



ListViewAnimations

Tools



NineOldAndroids

Graphics

Deprecated



Real User Monitoring (RUM)

Performance Monitoring

ALM Integration (12.53 Patch 1, 12.21 Patch 3)

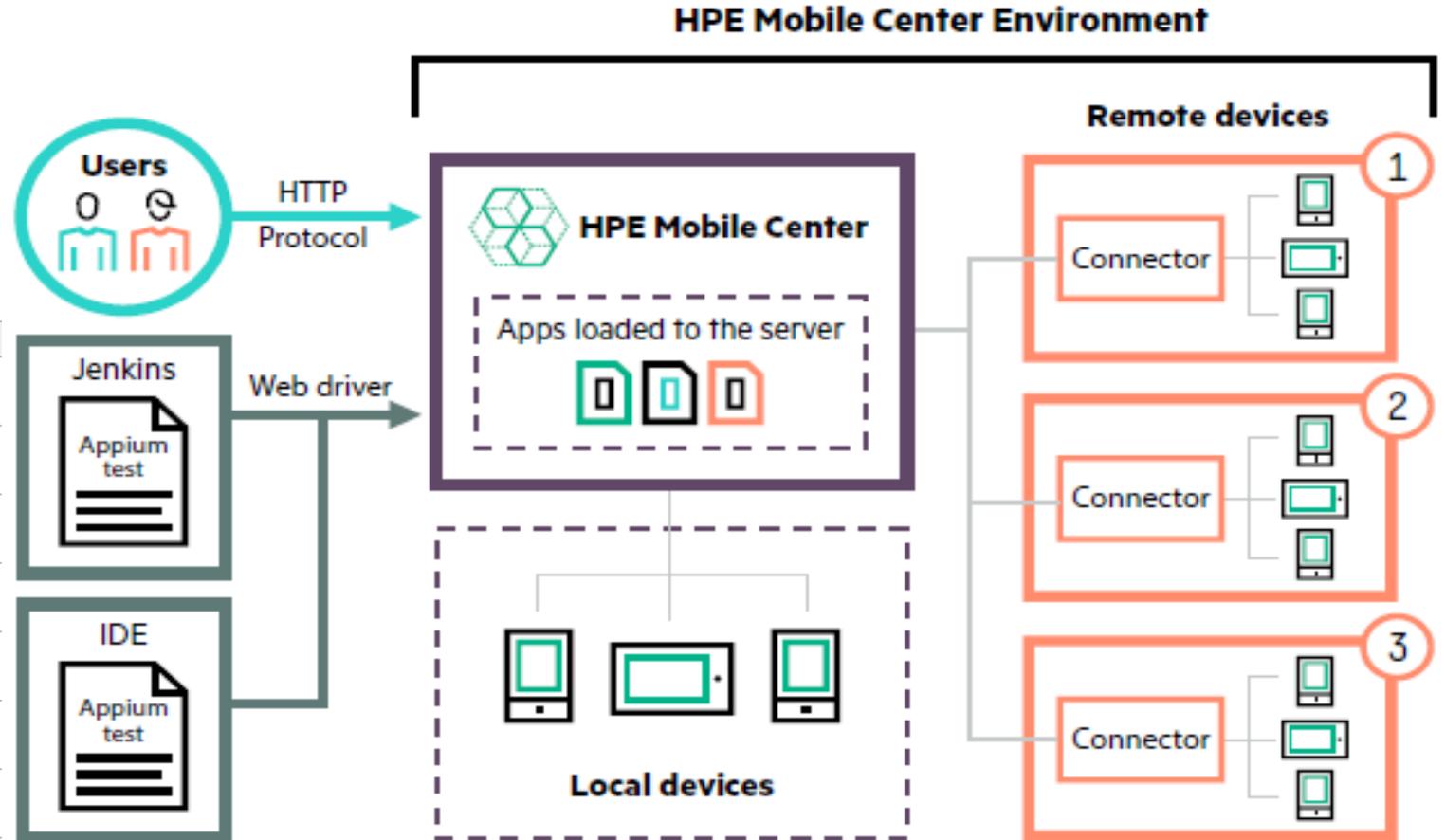
The screenshot displays the ALM interface with the Mobile Center window open. A green circle highlights the button labeled "Select device and application in Mobile Center" in the toolbar. The Mobile Center window shows the "DEVICES" section with three device cards: iPad Air 2 (9.3.3), iPhone 5 (9.3.1), and iPhone 5 (9.3.2). Below the device cards is a table with columns: Launch on start, Device, Device..., Device labs, Environment, Apps under test, and AUT Actions.

Launch on start	Device	Device...	Device labs	Environment	Apps under test	AUT Actions
Home	4569bec7e14f95...		MC		AMB , Version: 2...	Install=Y, Restart...
Advantage, Versi...	037eb9d408ea9...		MC		Advantage, Versi...	Install=Y, Restart...
Home	CB5A23UKKM		MC			Install=Y, Restart...
Browser	0928afa90de7ef...		MC			Install=N, Restar...
Advantage, Versi...	CB5A23UKKM		MC		Advantage, Versi...	Install=Y, Restart...

Parallel execution of Appium scripts

<https://wiki.jenkins-ci.org/display/JENKINS/Multijob+Plugin>

Job	S	W	Last Success
test	●	☀	6 min 18 sec
just echo 1	●	●	
echo1	●	☀	6 min 10 sec
just echo2	●	●	
echo2	●	☀	6 min 0 sec
just echo3	●	●	
echo3	●	☀	5 min 50 sec





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Live Demo



For more information:

www.hpe.com/software/mobiletesting

Mobile Testing Checklist: <http://go.saas.hpe.com/mobile-center/mobile-testing-checklist>

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1



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2



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4



Seize valuable opportunity

Time-to-value is the new name of the game, and the ability to capitalize immediately is key to survival. Through the Transformation Zone and Innovation and Spotlight Sessions, you'll learn how HPE can help you transform your organization to significantly reduce the time-to-value of your IT investments.

5



Accelerate transformation with IT consumption

The velocity of change in today's IT world is daunting. Driving innovation while still running the business is essential. Through a series of Spotlight, Theater and Breakout Sessions, learn how you can fund transformation, map your investment strategy to your IT roadmap and achieve faster time-to-market.

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Find answers to your biggest business and IT challenges

Discover 2016 is the perfect place to find solutions, seek new innovations and learn how Hewlett Packard Enterprise can help your enterprise succeed.

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Expand your network and grow relationships

Engage with other IT professionals, schedule formal onsite meetings at the Hewlett Packard Enterprise Meeting Center or visit the Guru Bar to chat with Hewlett Packard Enterprise experts.

10



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