

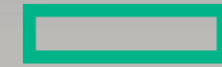
Enabling the Shift towards Agile and DevOps Capabilities

February 1, 2017

Today's Speakers:



Petr Kunstat
EMEA Pre-Sales
Hewlett Packard Enterprise



**Hewlett Packard
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The webinar will begin shortly.

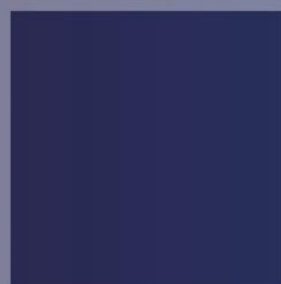
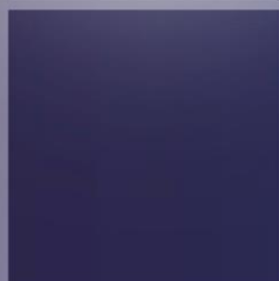
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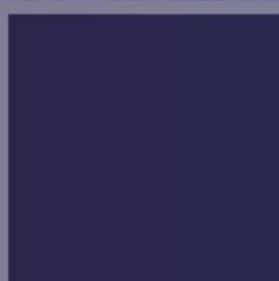
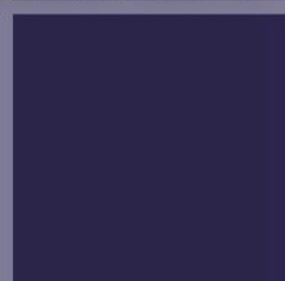
Discover the independent HPE software
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COMMUNITY



Enabling the Shift towards Agile and DevOps Capabilities



Welcome Members

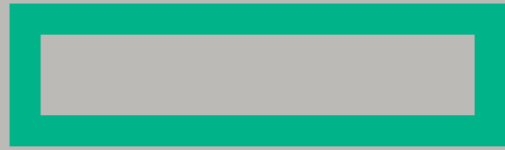
Vivit and HPE welcome you to our Post Discover Summit 2017



<http://www.vivit-worldwide.org/default.asp?page=LondonSummit2017>



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Milan Danrel
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Machine Data Systems
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Today's Speaker



Petr Kunstat
EMEA Pre-Sales
Hewlett Packard Enterprise

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Webinar Housekeeping



The screenshot shows a webinar interface for Vivit. On the left is a sidebar with a logo/picture section, a Q&A section with a text input and 'Ask' button, and a 'DOWNLOAD FILES' section with a table. The main area displays 'Slide 2 of 27' with a collage of images including the Vivit logo, a lightbulb, a group of people, and text like 'ADVOCACY', 'Building the DevOps Tool Chain', 'January 17, 2017', 'COMMUNITY', and 'EDUCATION'. A red arrow points to the maximize button in the top right corner of the presentation pane.

LOGO/PICTURE

Slide 2 of 27

Q&A

Ask a question

Ask

DOWNLOAD FILES

File Name	Size
No file Found	

Folder: All Files

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ADVOCACY

Building the DevOps Tool Chain
January 17, 2017

COMMUNITY

EDUCATION

Dial-In #: VoIP or 415-926-7795 or [International Numbers](#) Conference ID: 0866-2702 User ID: 280895

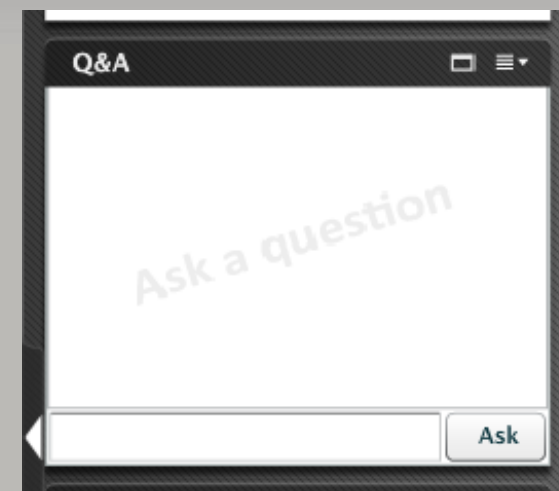
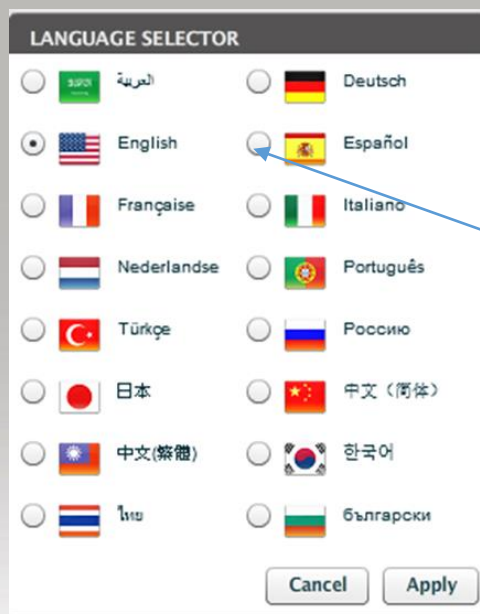
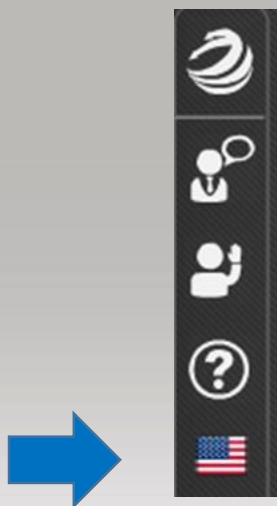
- This “LIVE” session is being recorded
- Recordings are available to all Vivit members
- To enlarge the presentation screen, click on the rectangle in the upper right hand corner of the Presentation pane

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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





Enabling the Shift towards



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Agile and DevOps Capabilities

Petr Kunstat
EMEA Presales Consultant

Francesco Colavita
EMEA Business Consultant

What is the motivation for DevOps adoption

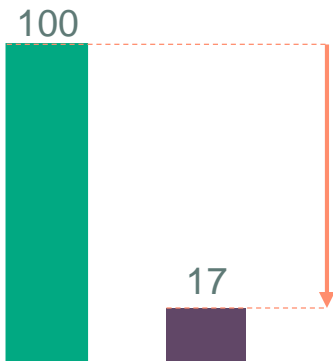
The value of adopting DevOps

Pre-transformation Post-transformation

Indexed to 100

Improvement in time to market

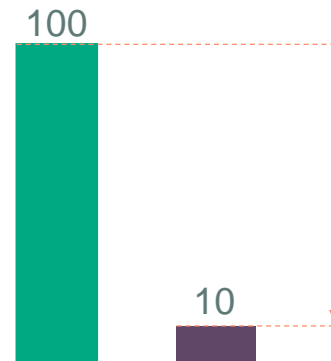
Average number of days from code completion to live production



- Eliminate rework through integrated change management and automated deployment and testing

Reduction in cycle time

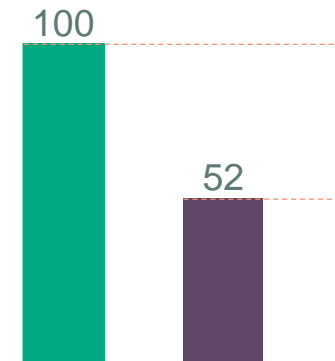
Number of days to update servers and the IT environment



- Eliminate wait time and rework through standardized processes
- Eliminate non-value-added work through automation

Improvement in productivity

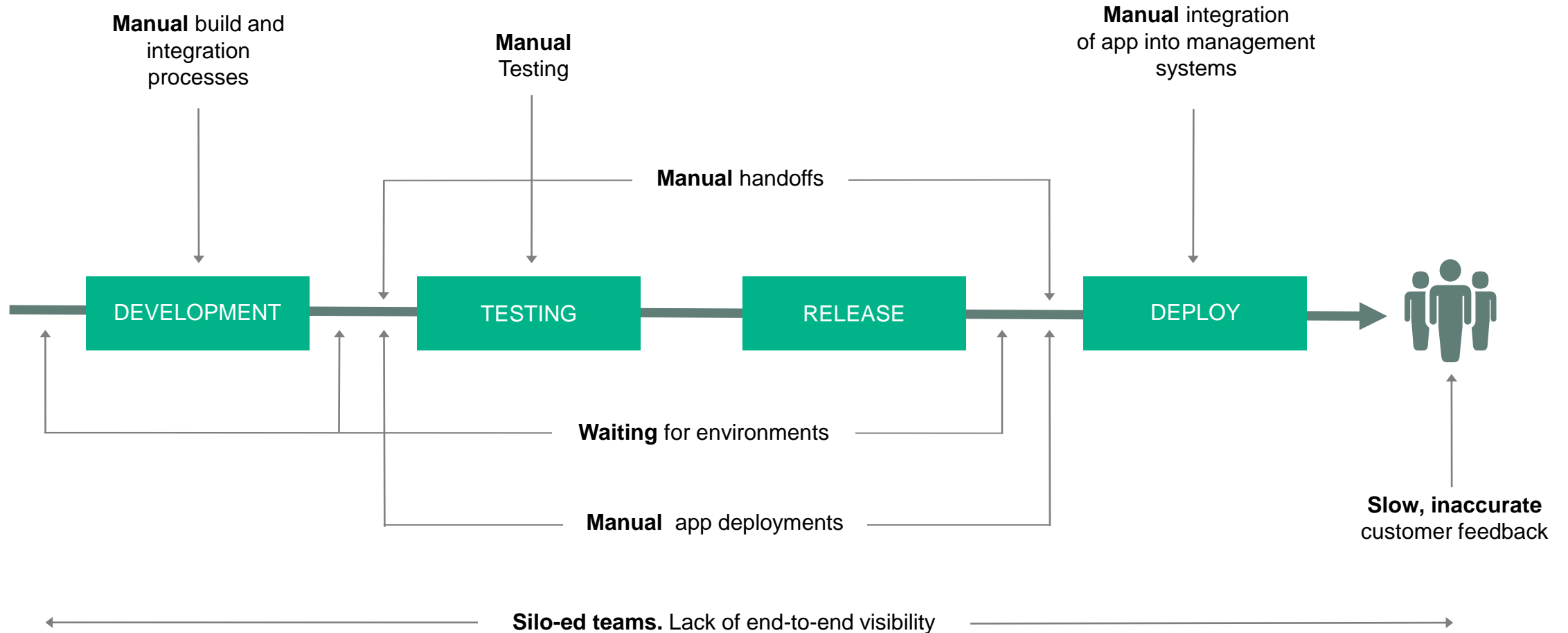
Average number of DevOps handoffs per processing activity



- Eliminate wait time and rework through improved development and operations communication

DevOps multiple constraints/challenges

What slows delivery down?



Removing the constraints...

High velocity innovation

Increase automation



- Automate everything
- Accelerate routine tasks
- Ensure repeatability
- Reduce errors

Reduce latency



- Continuous integration, testing, builds
- API driven testing
- Testing virtualization
- Continuous delivery and deployment
- Continuous security from dev thru prod

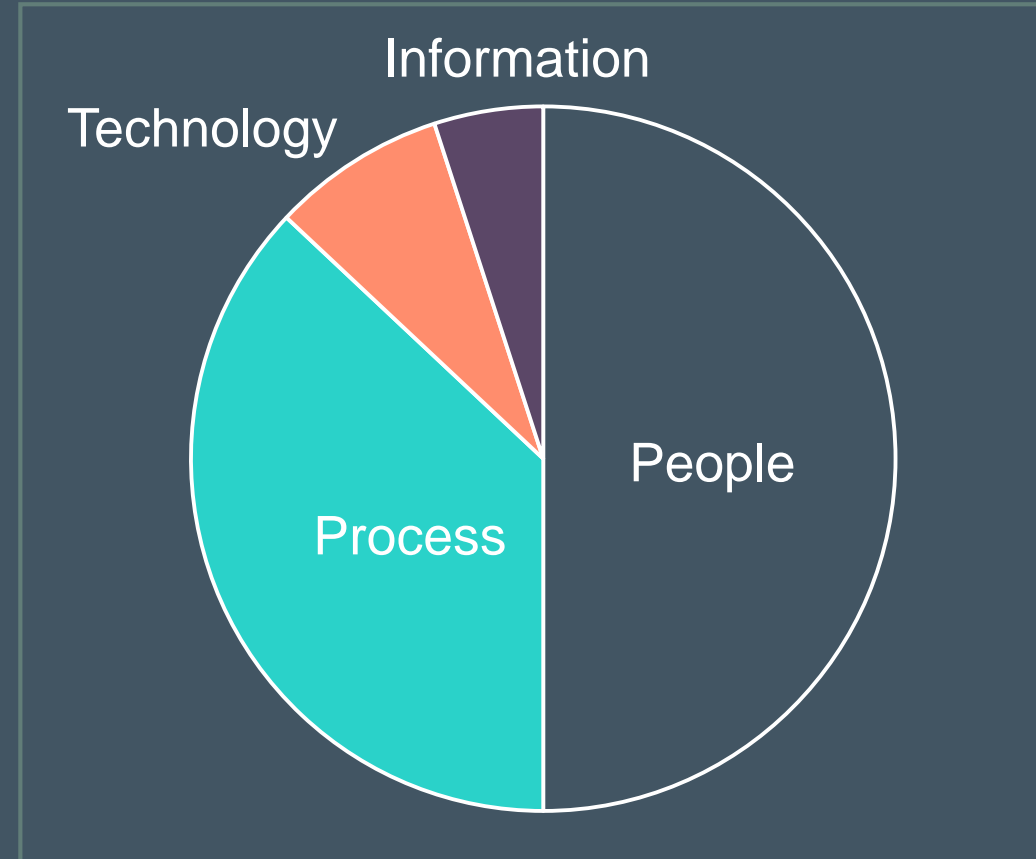
Increase visibility



- Continuous assessment:
 - Monitor and measure everything
 - Constant feedback loops
 - Prioritize business, security and dev planning
 - Improve and iterate
- Visibility across teams

What we see on the customer side

Where does DevOps get blocked?



Gartner, Feb 2016

Typical Customer's situation



I'm thinking about DevOps

What does it really mean?
What benefit could I have?
I'm scared to start this big
Transformation project



I have implemented DevOps

but I don't see any benefit as
my apps are still slow.
I have increased incidents
due to SW delivery
acceleration.



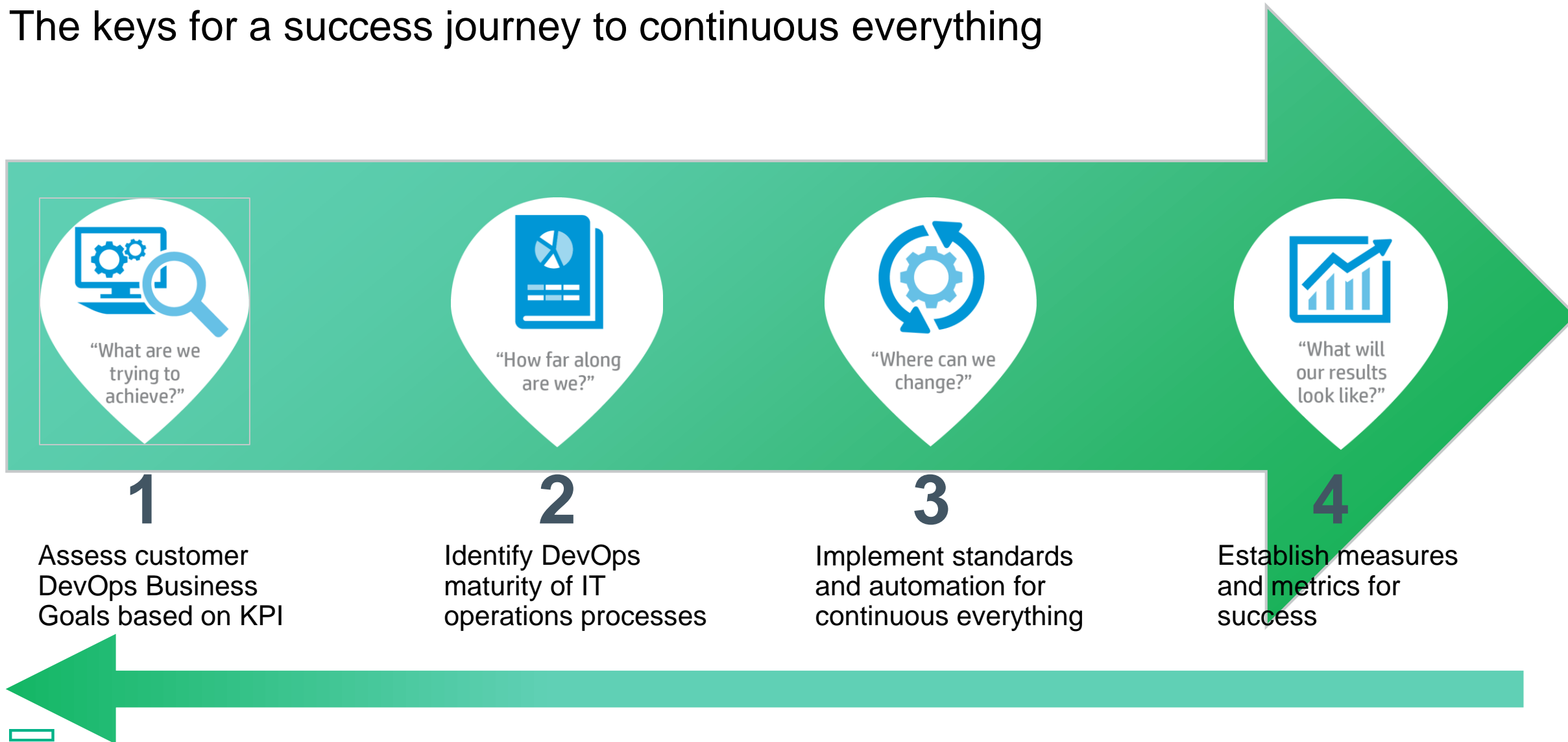
I Have DevOps Tools

but they don't solve the
latency problems.
I'm always late and I'm
missing a visibility

How to build DevOps strategy

Where to Start

The keys for a success journey to continuous everything

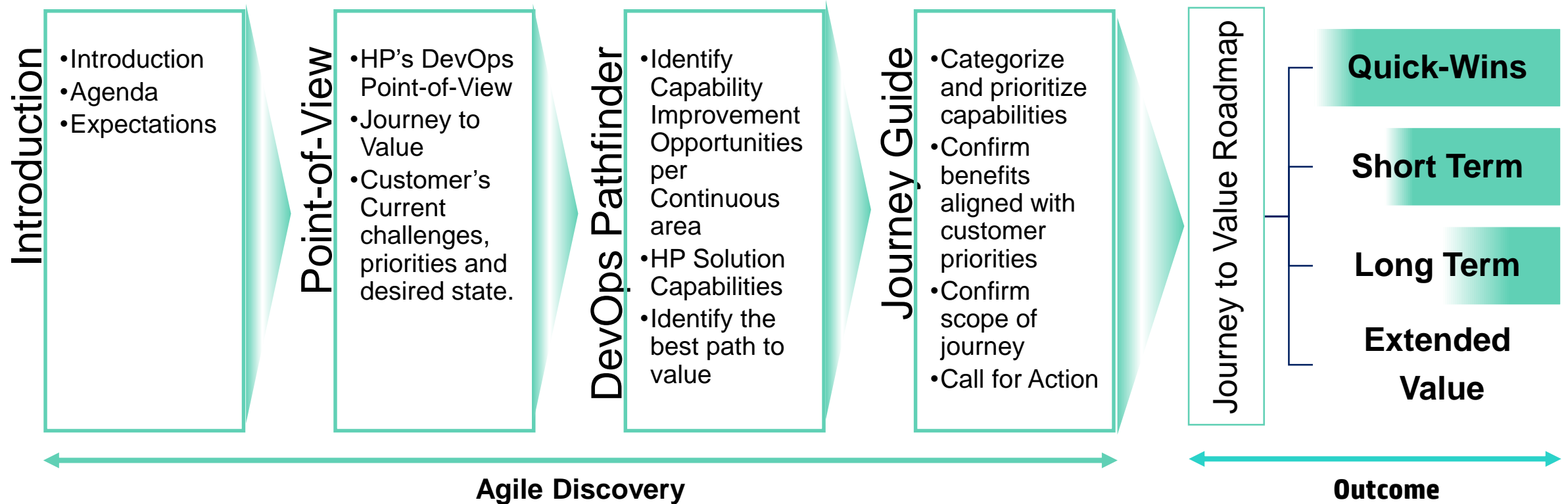


HPE Assessment Methodology & Tools

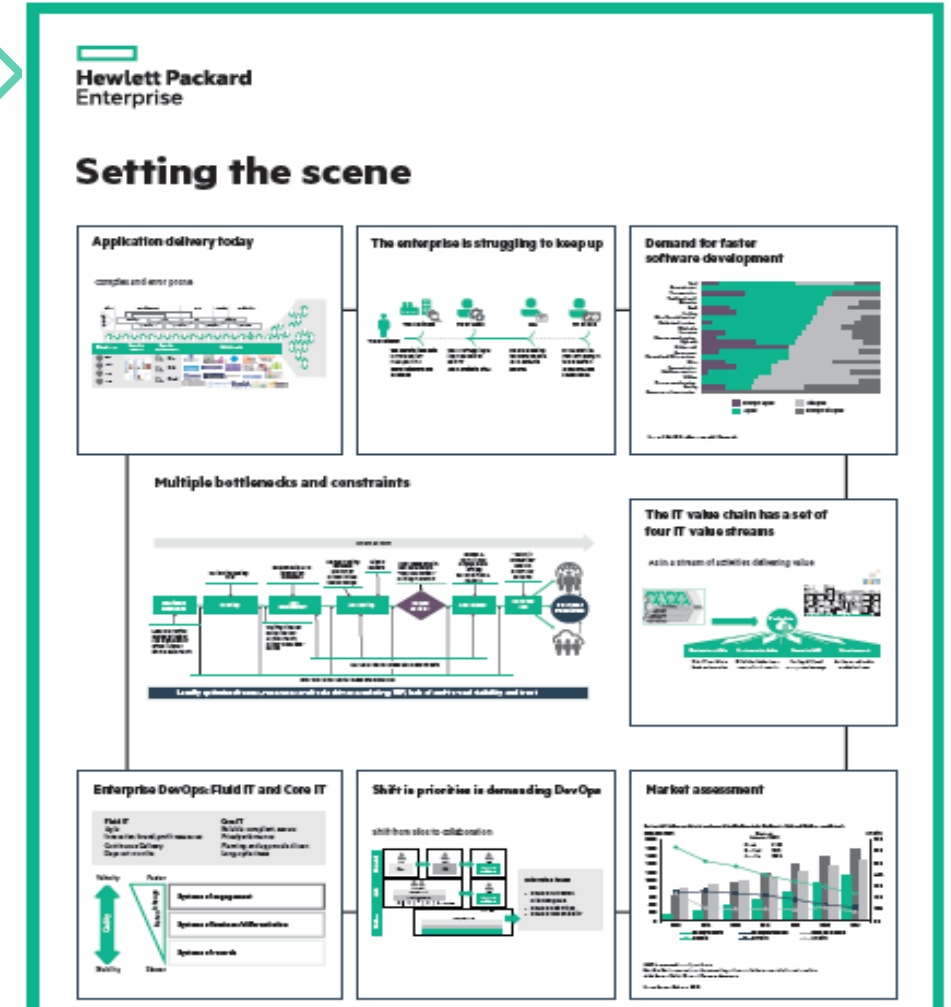
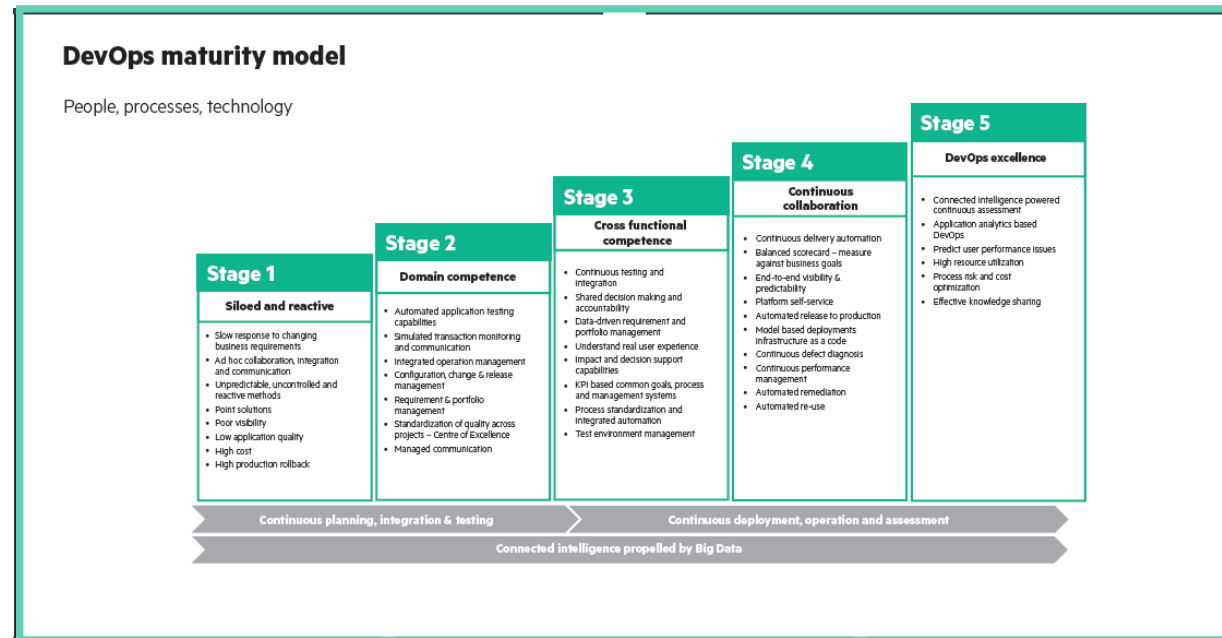
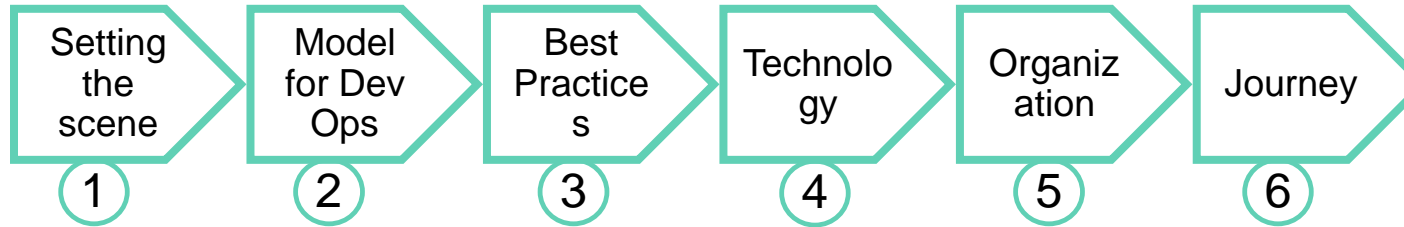


- Journey to Value (JTV)
- Discovery Workshop
- Transformation Workshop

HPE Assessment Methodology: Journey To Value



HPE Assessment Methodology : Discovery Workshop

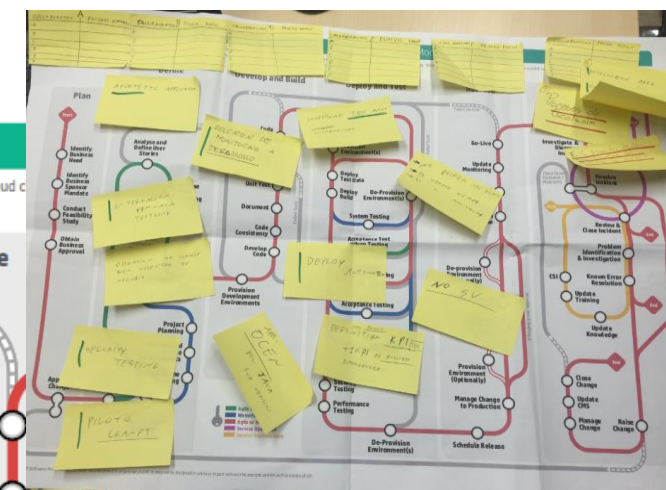
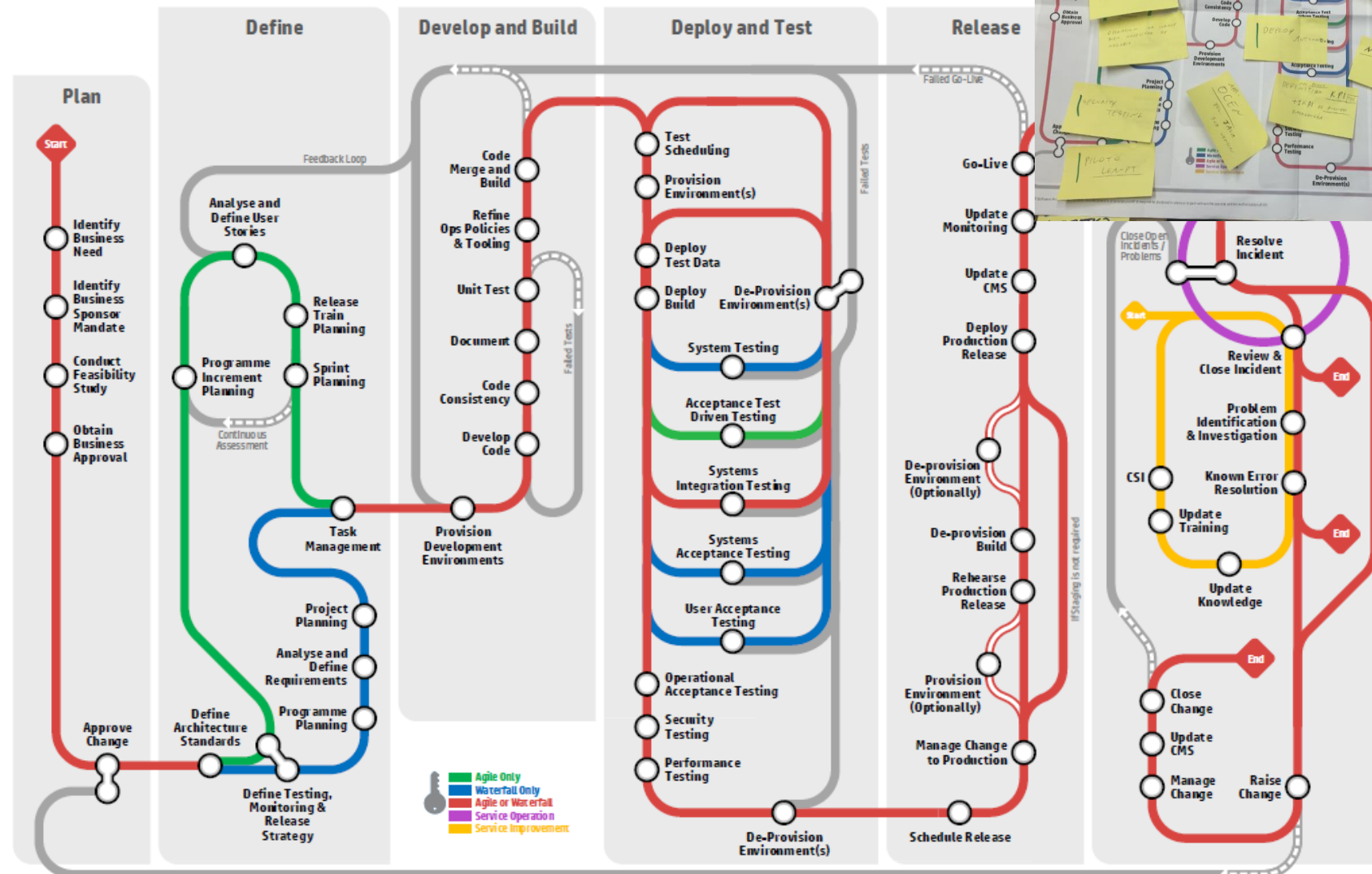


HPE Tool: Tube Map Model

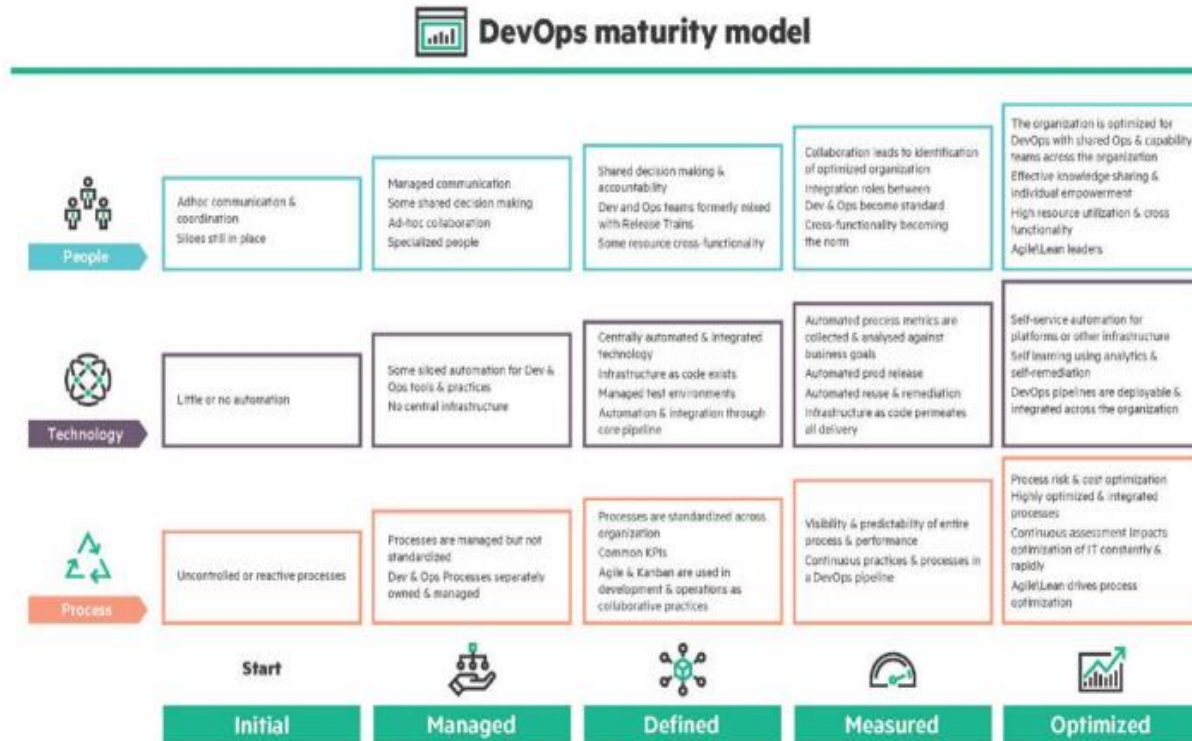
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DevOps Tube Map Model

DevOps is an approach that emphasizes the communication, collaboration and integration between software developers and IT Operations. With mobile technology and cloud computing, DevOps is one of the ways that greater agility and velocity can be built into the end to end development lifecycle.



HPE Assessment Methodology: Transformation Workshop



Delivered by HPE SW EMEA / PS

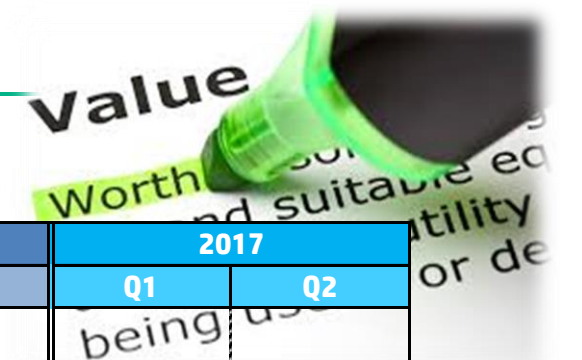
Two to Seven days assessment

Detailed Assessment with 1:1 interview

Detailed project plan for the Quick Win initiatives

ROI analysis could be included

Define a Roadmap: JTV output Example



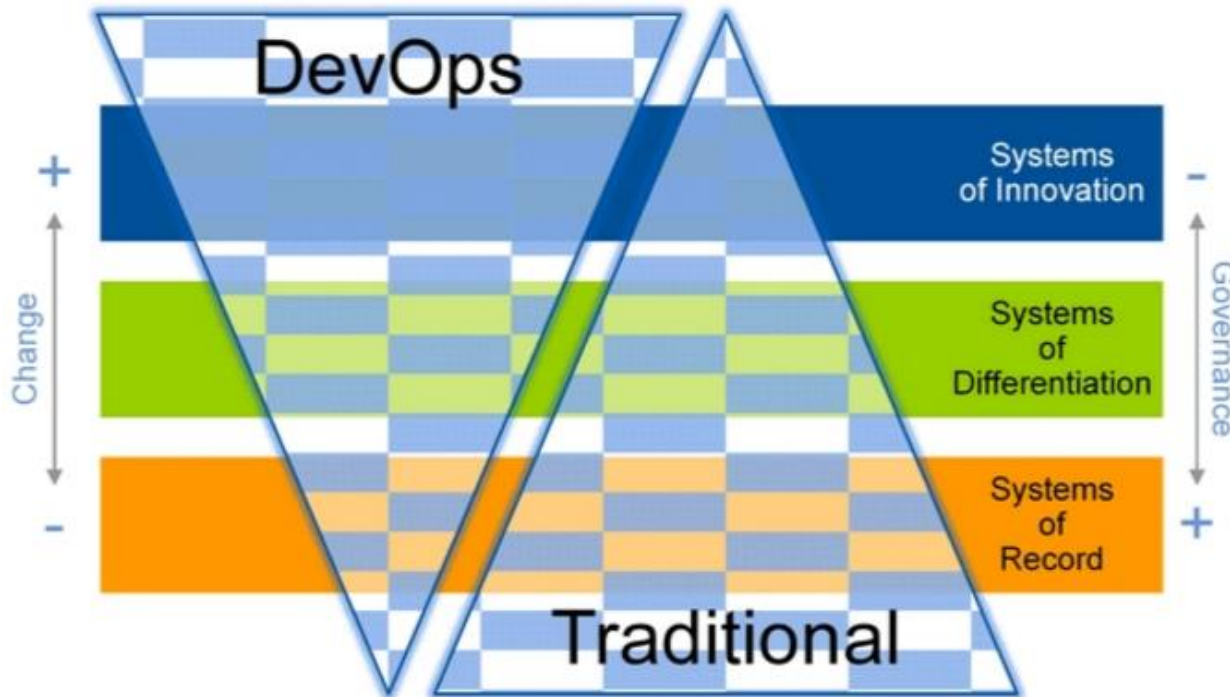
	2014		2015				2016				2017	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Quick Wins	→ Test Automation											
	→ Agile Management (AGM)											
Short Term			→ Requirements Management									
				→ Integration and Synchronization of ALM and AGM								
					→ Continuous Delivery							
				→ Performance Testing as a Service								
Long Term			Performance Testing (on premise)				→					
			Lifecycle Virtualization (Service and Network Virtualization)				→					
Extending the Value				HP ALI (Application Lifecycle Intelligence)				→				
				HP CDA (Continuous Delivery Automation)					→			

Before to start the Assessment



- Identify the right Services to start
- Involve the Key People
- Focus on the Main Business Needs

Identify the right Services to start



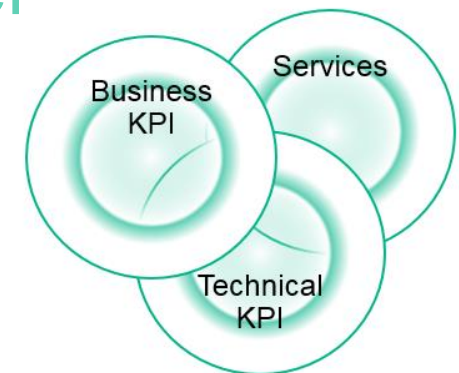
Key Services to start with:

- Crucial for the Business Goal
- As much innovative as possible
- Subject to frequent changes
- Controlled by few stakeholders

Involve the Key People

	BU 1	BU 2	BU 3	BU 4	BU 5
Service 1					
Service 2					
Service 3					
Service 4					
Service 5					

- PMO
- BUx Demand Manager
- BUx Development Manager
- BUx Test Manager
- Security Manager
- Operation Manager
- BUx Architect



Understand the Business Needs

Do you want to Differentiate?



Point to Business Goals

Is my business profitable?

Are my products doing well?

Are my customers satisfied?

Are my marketing efforts paying off?

Is my business on the right track?

Am I fast enough for my market?

Key Points to Successful Assessment



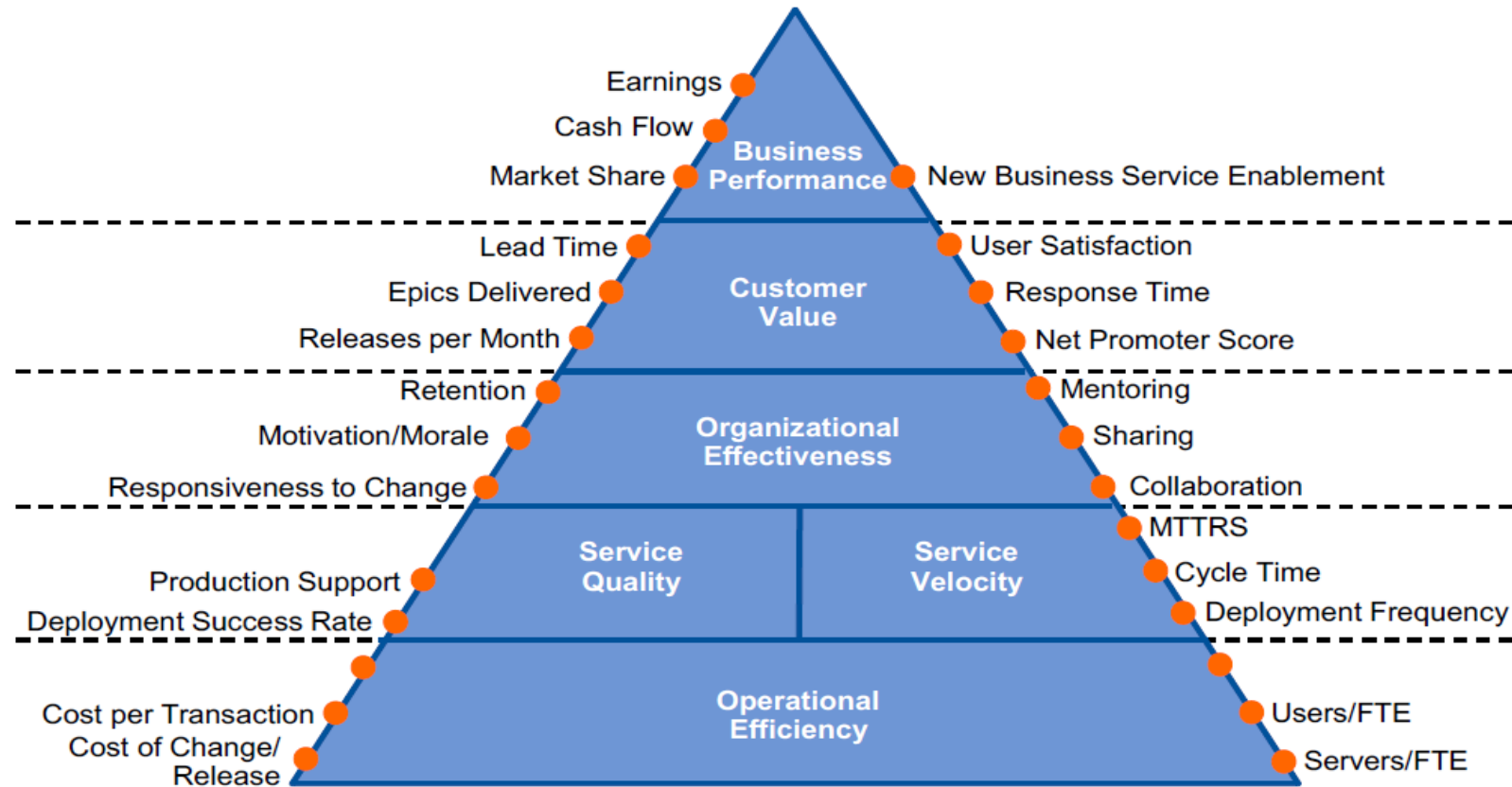
During the Assessment

- Link Business needs to Technical KPI
- Analyze the current IT capability
- Discover Operational Bottleneck
- Build a concrete Roadmap



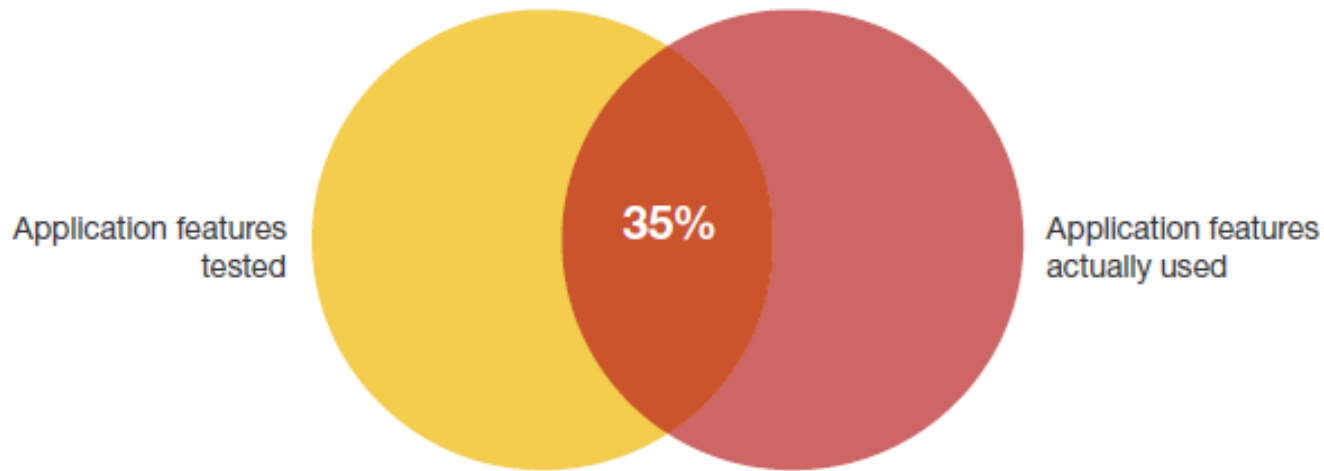
Translate Business needs in IT KPI

Figure 1. DevOps Metrics Pyramid



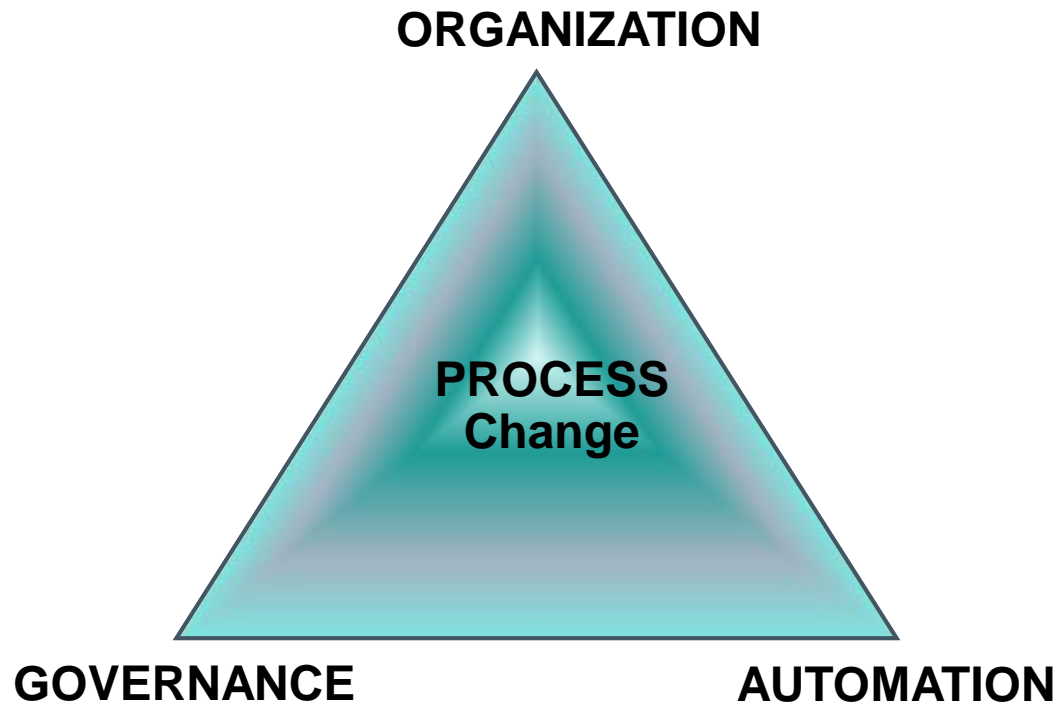
Source: Gartner (May 2014)

Meaningful KPI can require multiple metrics



"And this is the only performance indicator that's moving up. Unfortunately, it's my blood pressure."

KPI can depend on multiple changes



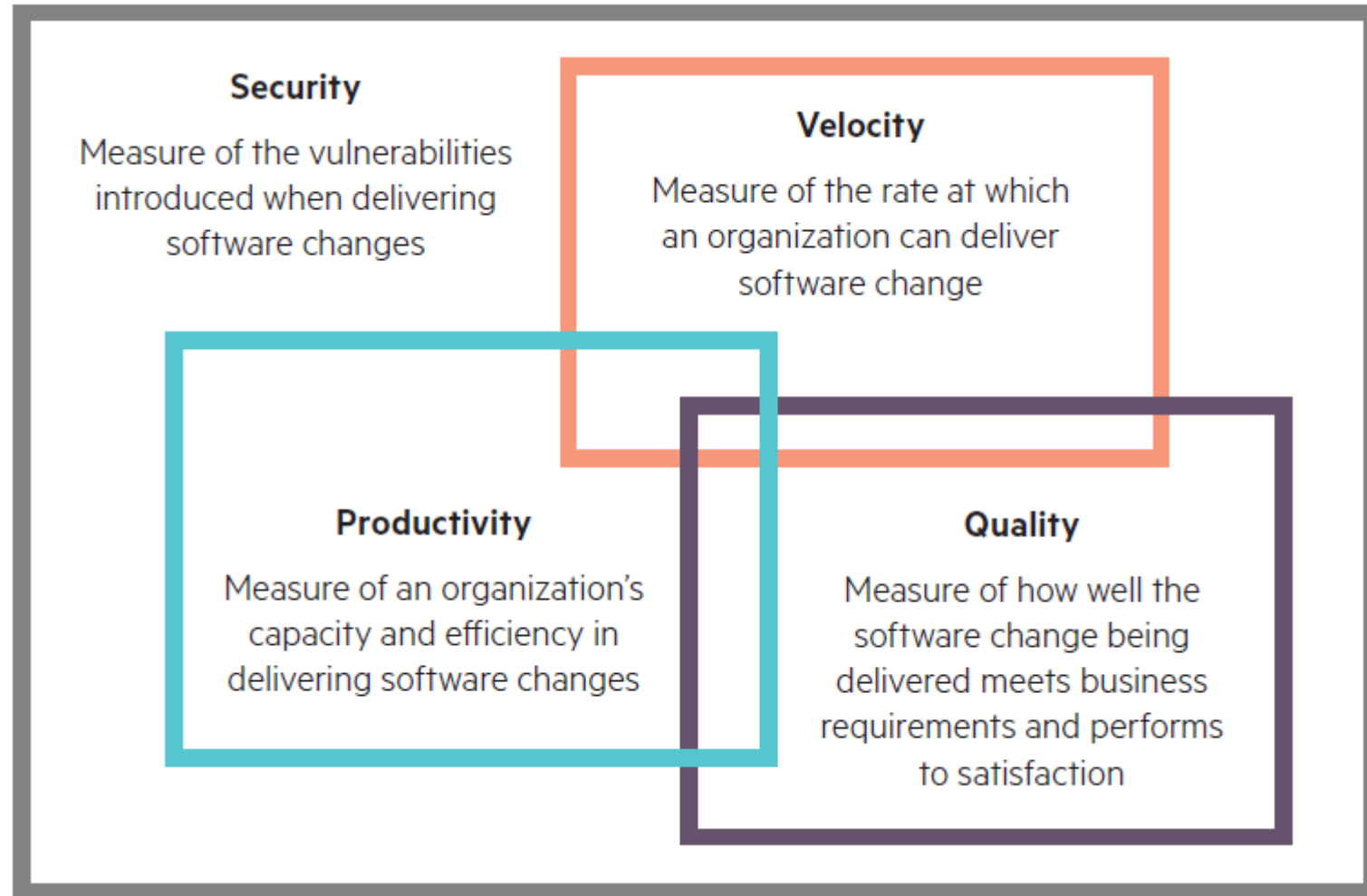
Different actions can be required to improve a single KPI.

Metric can measure the single change benefit and contribute to create the KPI.

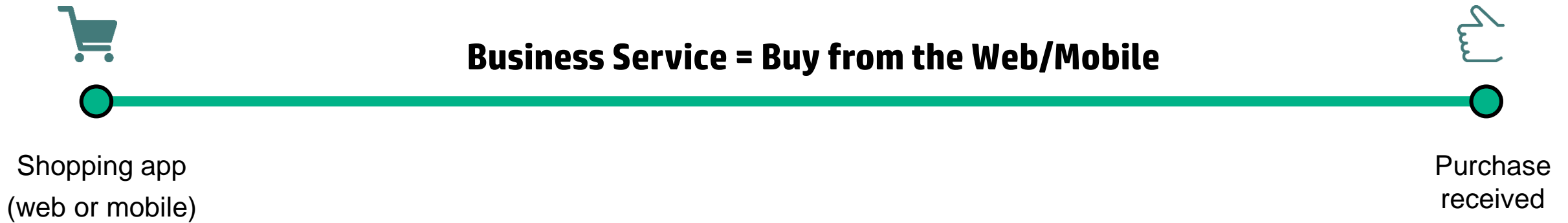
Metric provide information that can be digested.

KPIs offer comparative insights that guide future actions.

IT Areas that impact the Business KPI



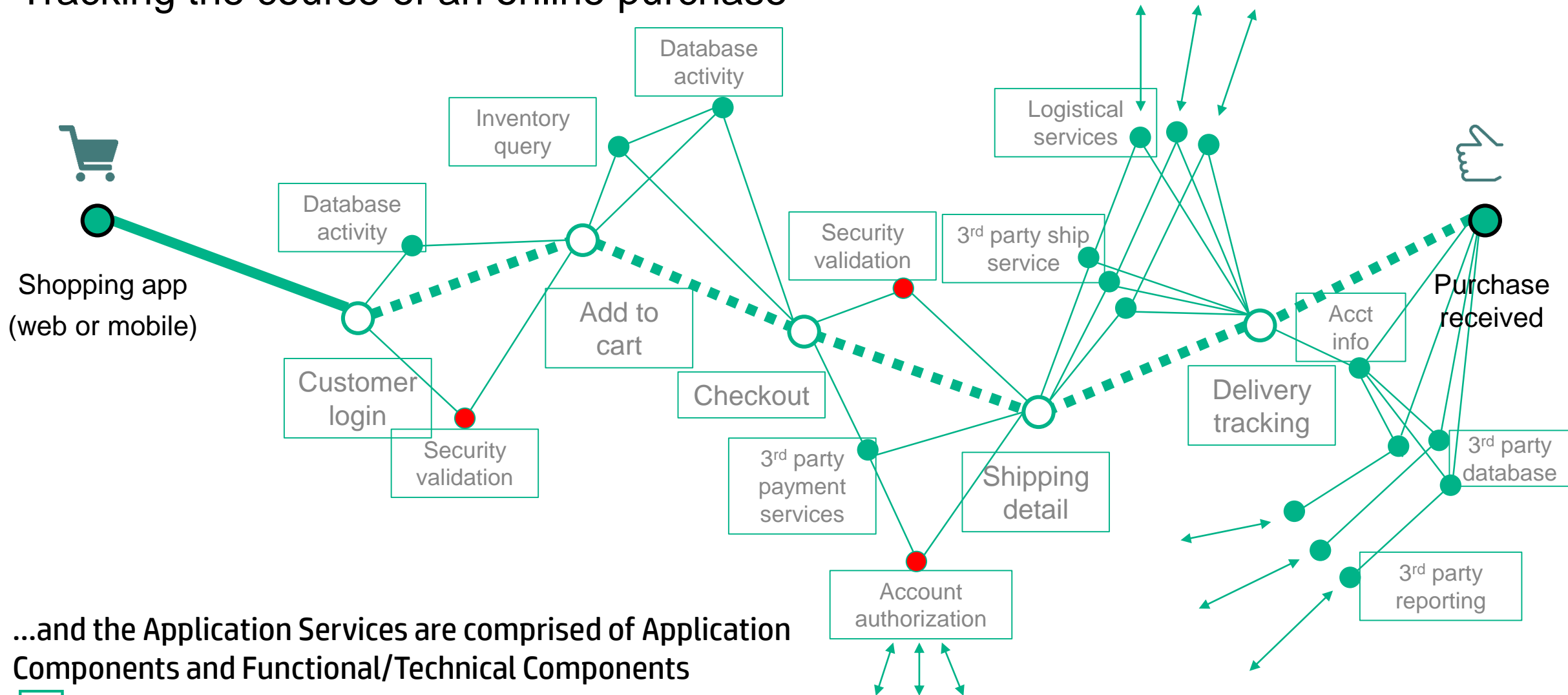
Business KPI: Measure Customer Satisfaction and behavior



Tracking the course of an online purchase

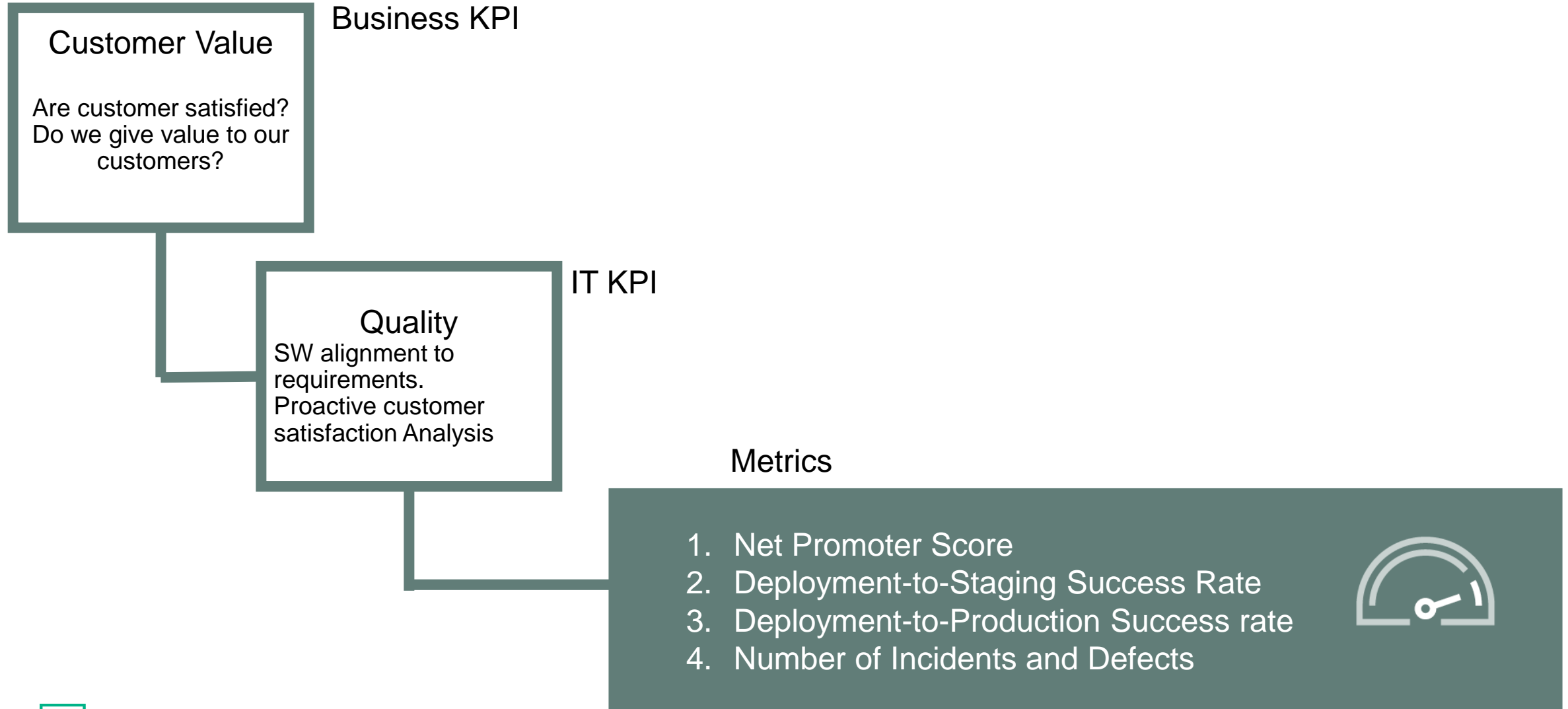
Technical Metrics: Measure Customer Satisfaction and behavior

Tracking the course of an online purchase

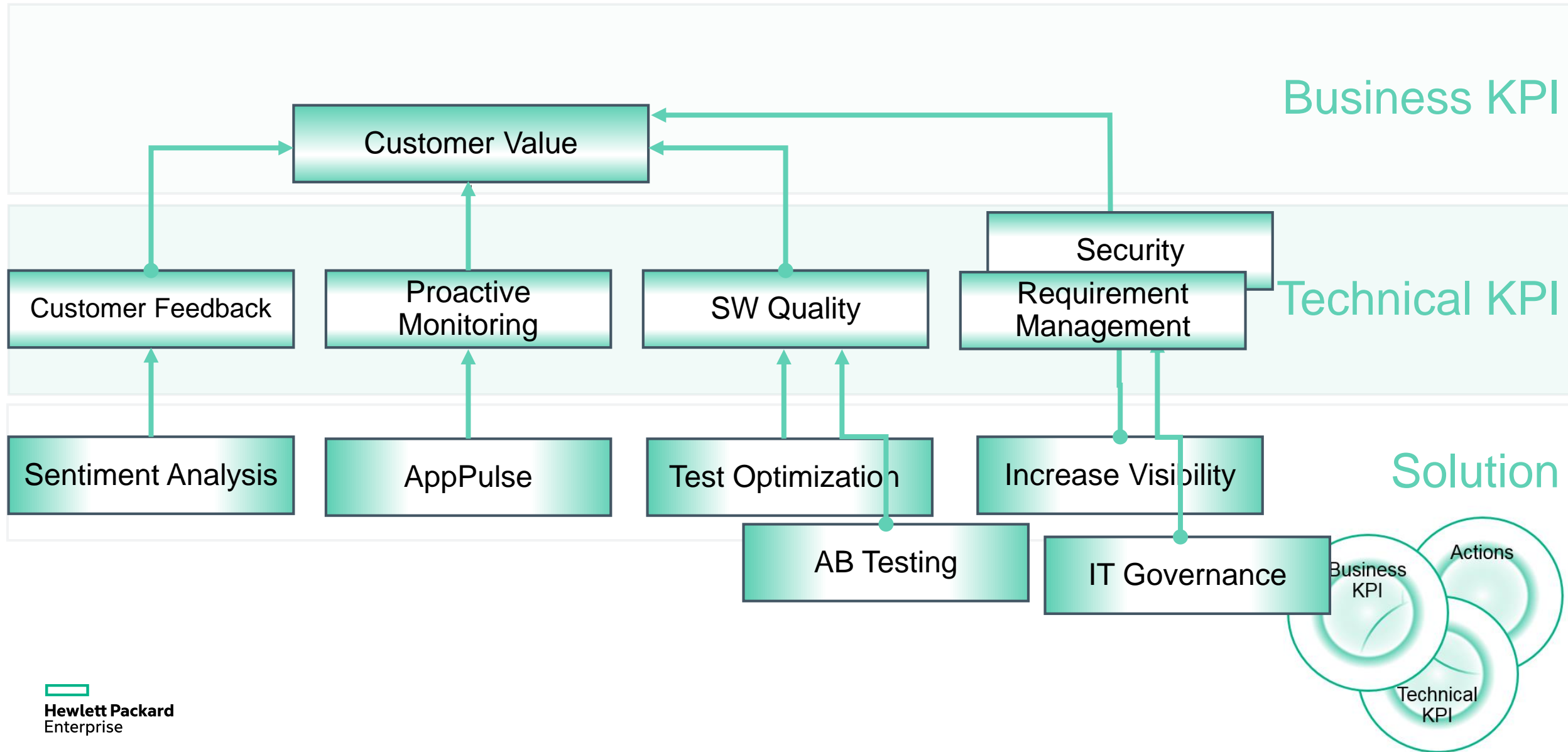


...and the Application Services are comprised of Application Components and Functional/Technical Components

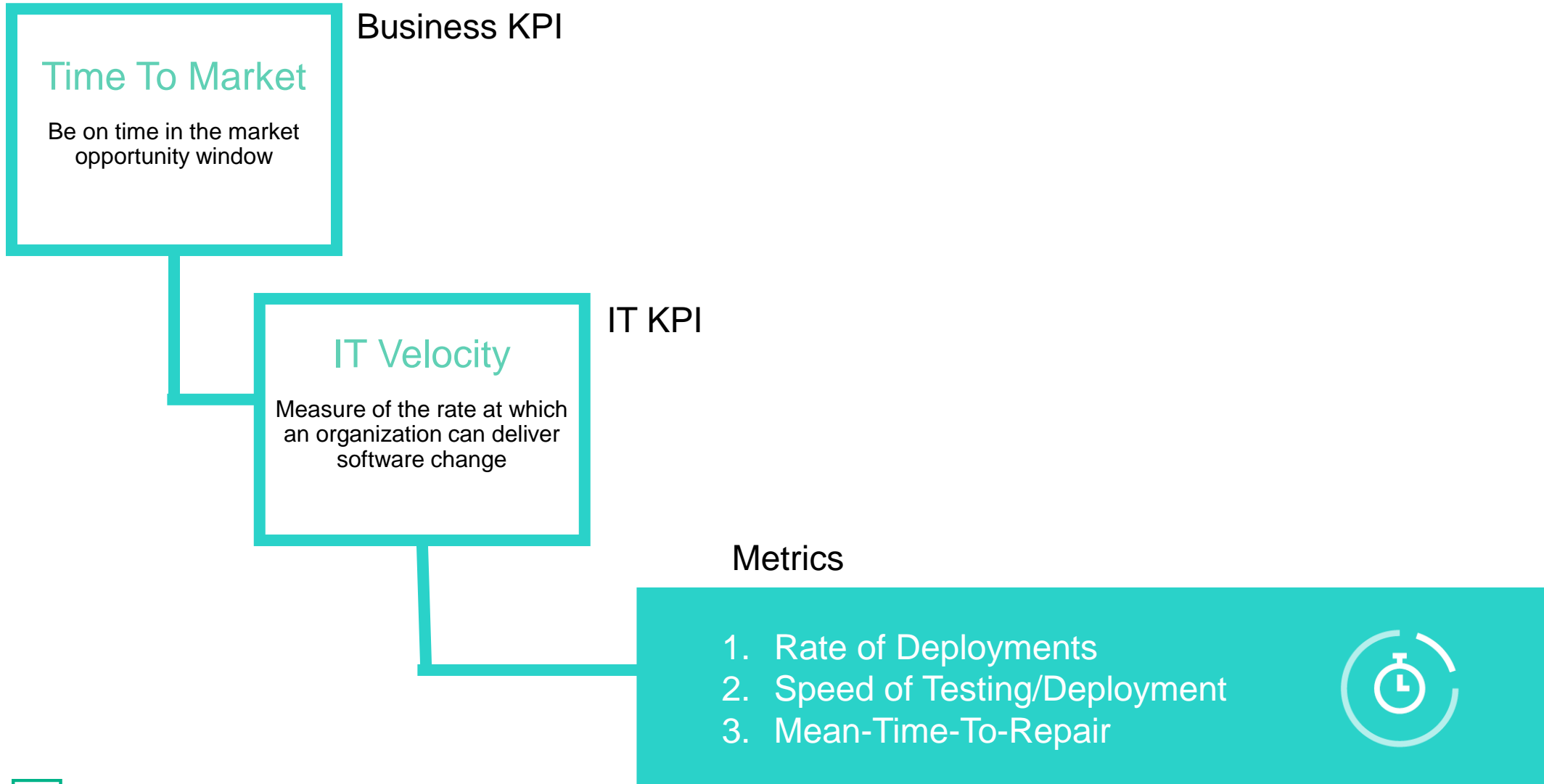
Business & IT KPI correlation: Customer Value



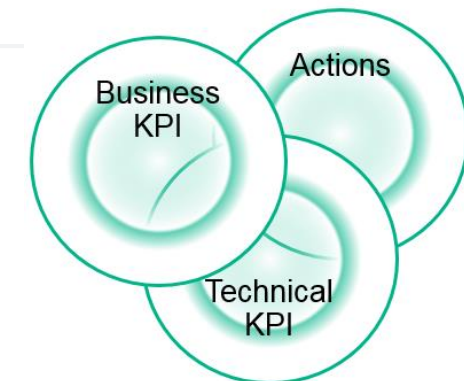
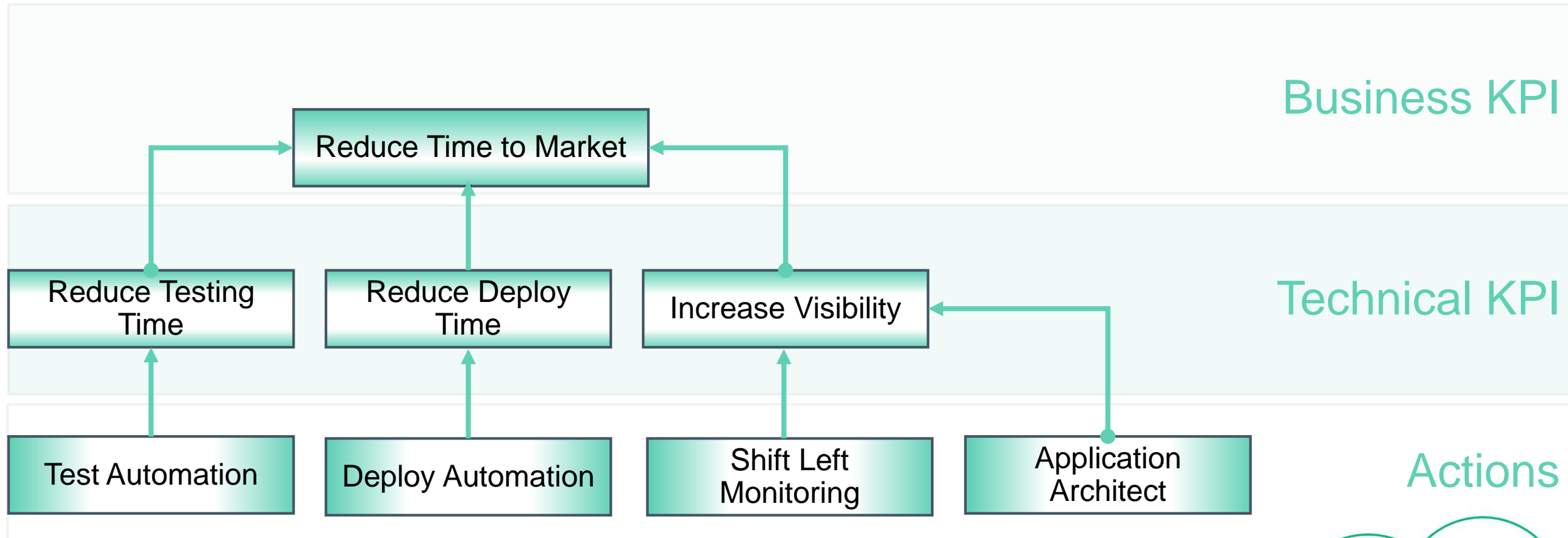
Create a KPI Chain



Business KPI: Time to Market



Create a KPI Chain



A man in a grey suit is standing with his back to the camera, writing on a whiteboard. He is holding a black marker. The whiteboard has the text "I believe DevOps has limitations because" and "..." written on it. In the foreground, the backs of three people's heads are visible, showing they are an audience watching the presentation.

I believe DevOps has limitations because

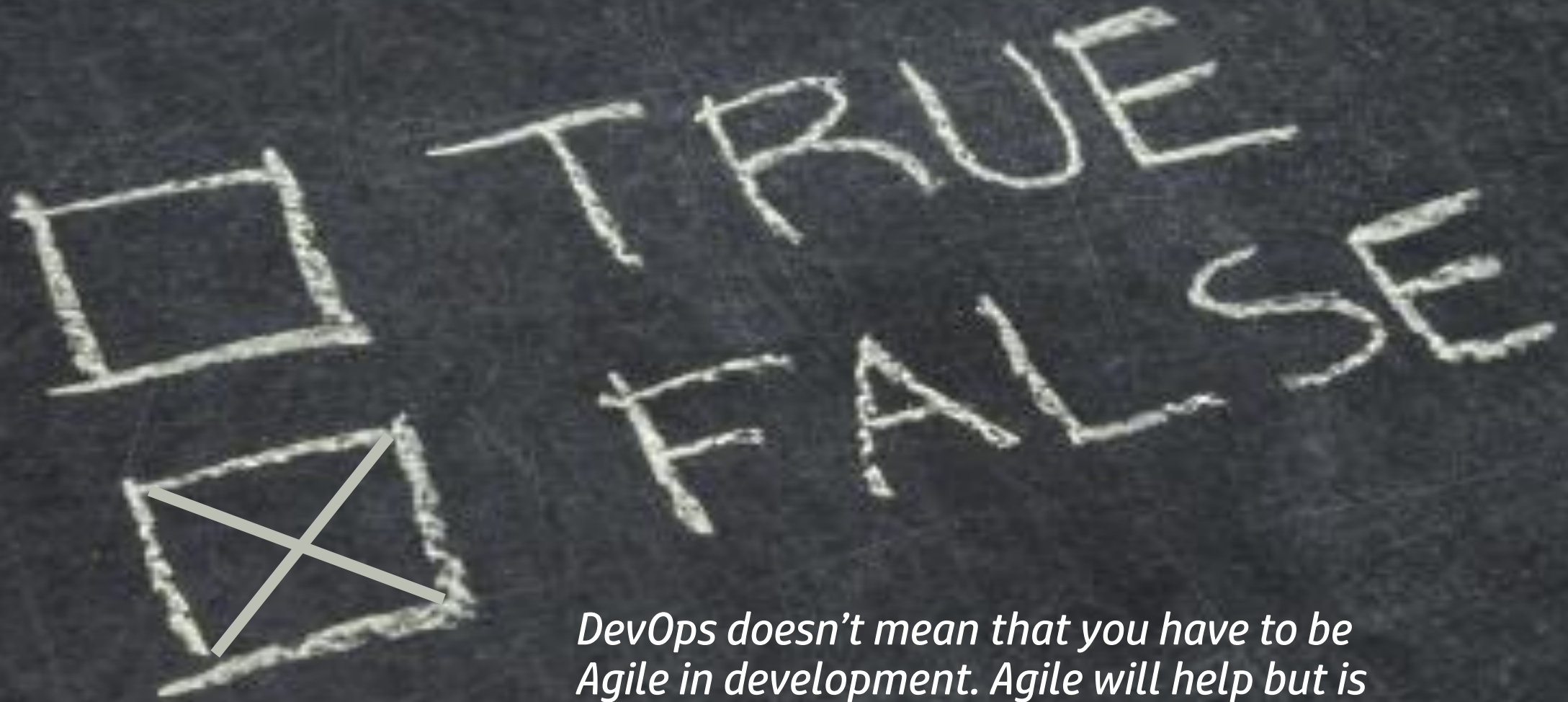
...

**Be aware
of**

Customer

***Myths
and fears***

DevOps requires that I need to be agile



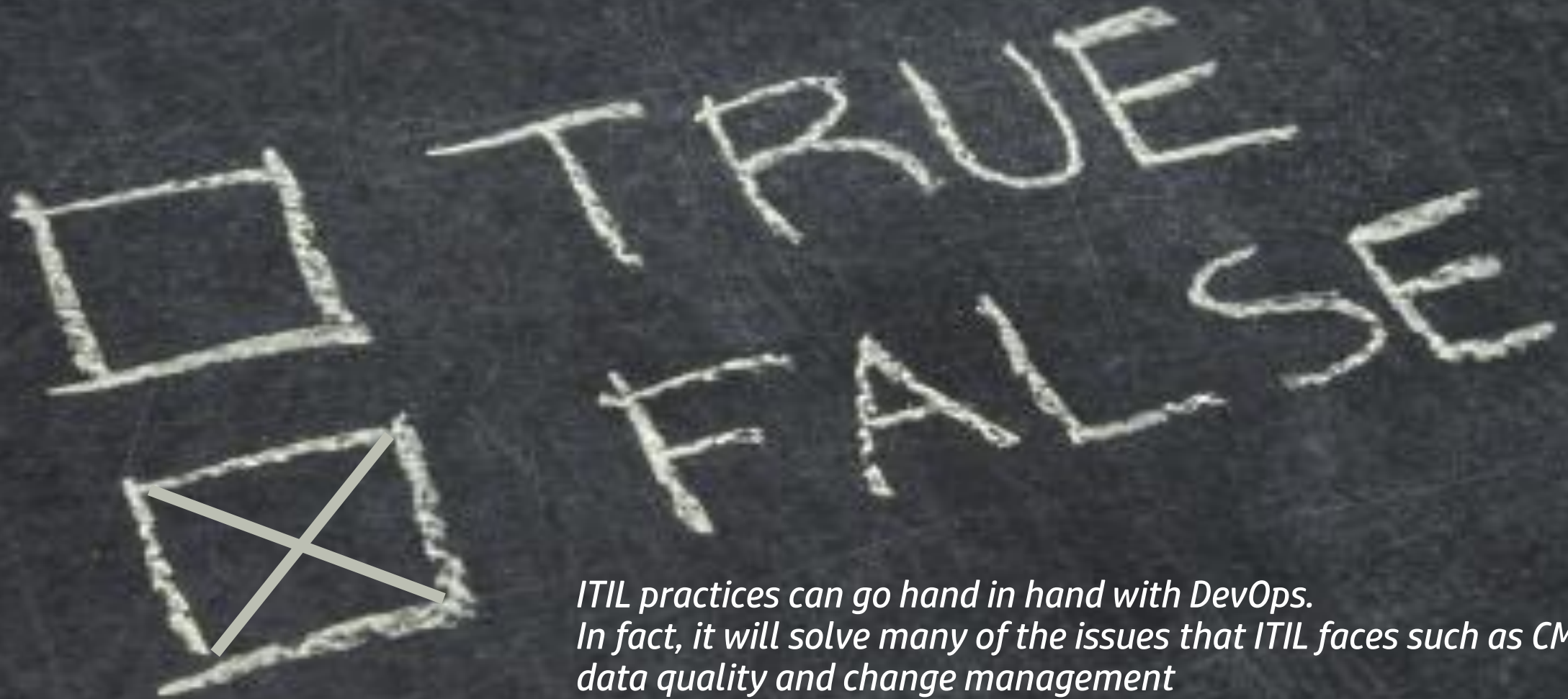
DevOps doesn't mean that you have to be Agile in development. Agile will help but is not a prerequisite

I have a mainframe and very stable code... DevOps is not applicable



*Actually, the idea of integration,
automated builds, promotion etc. exists
since 1980's on the mainframe already...*

DevOps is not compatible with ITIL



*ITIL practices can go hand in hand with DevOps.
In fact, it will solve many of the issues that ITIL faces such as CMDB
data quality and change management*

DevOps is not scalable to Enterprise level



DevOps is actually a way to bridge Enterprise IT needs and the rapid changing business demands.

DevOps requires a organizational change of my IT department



DevOps is not about re-organization of your IT, it is about a mindset and behavior of people to collaborate. It is a culture change.

Configure Dashboard

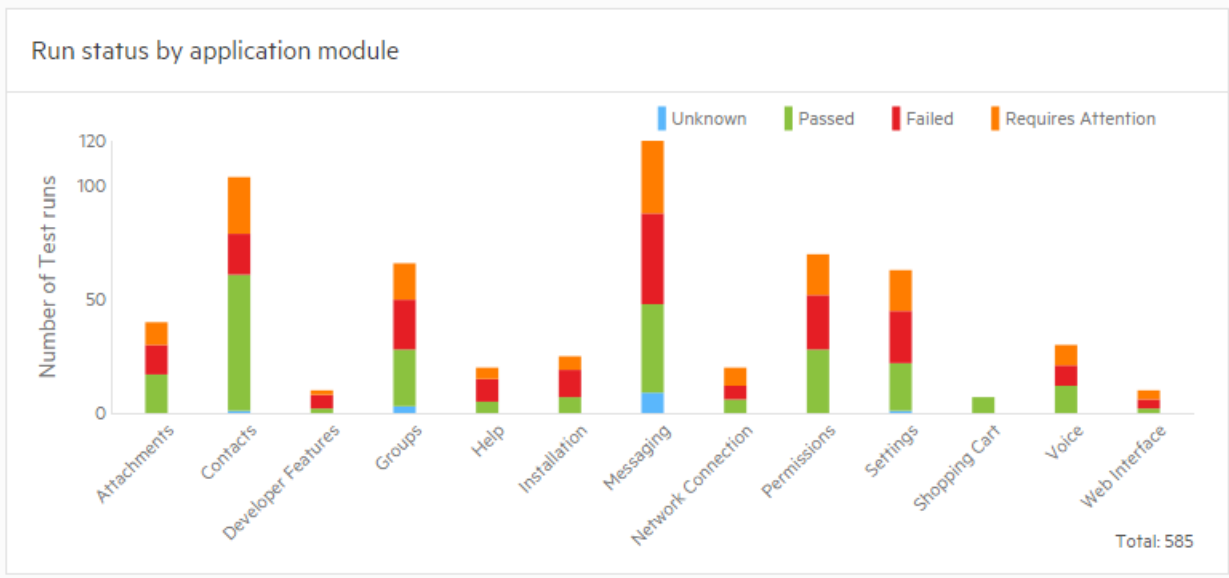
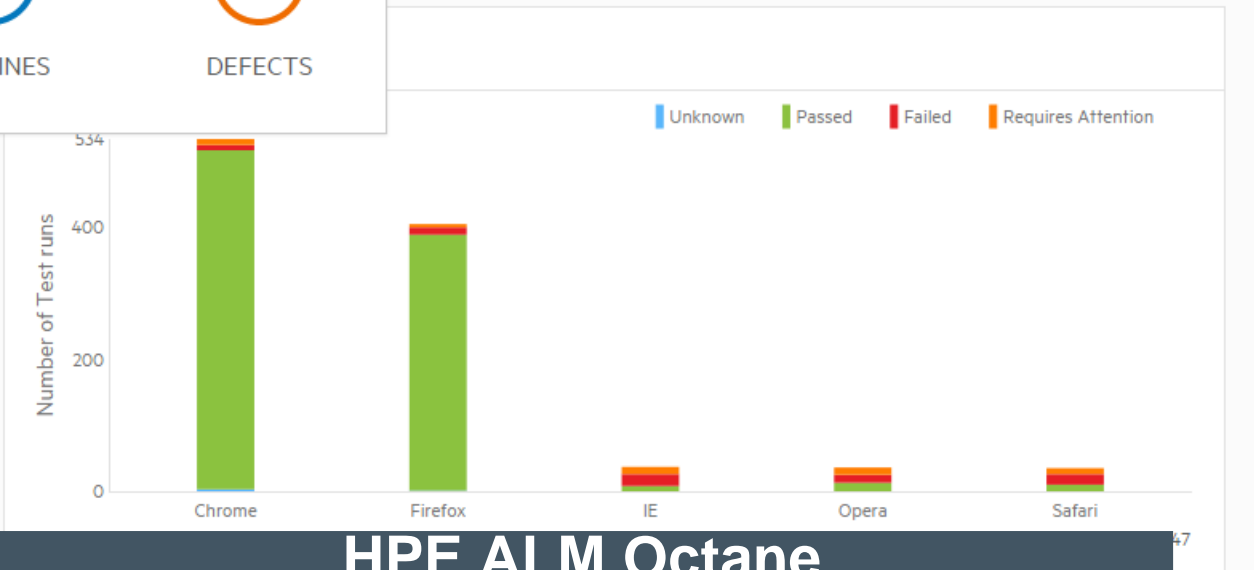
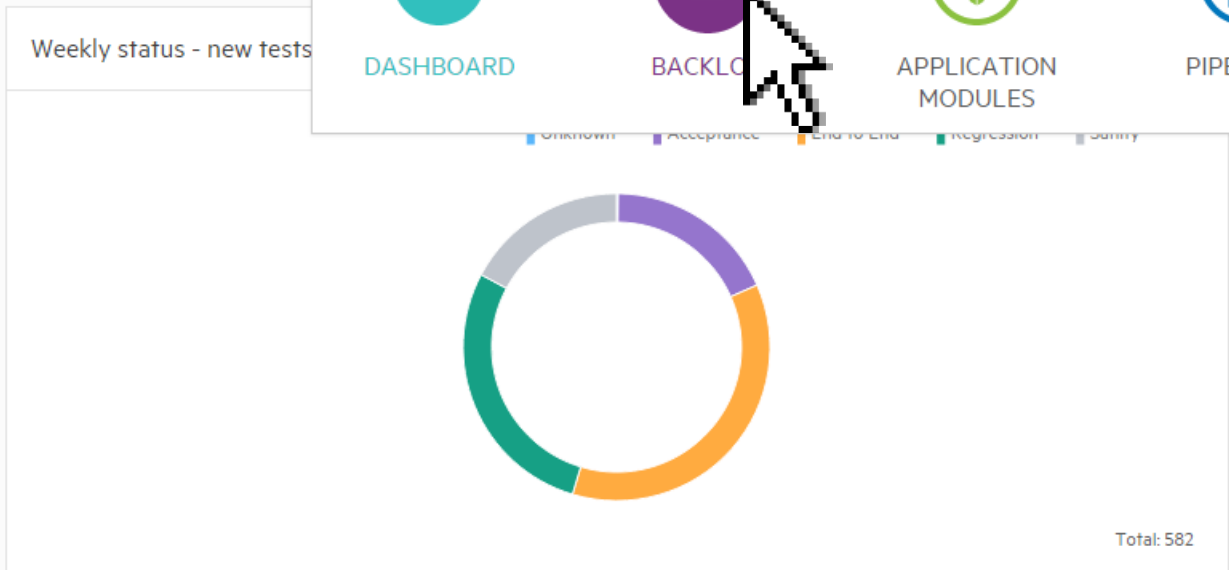
DASHBOARD

BACKLOG

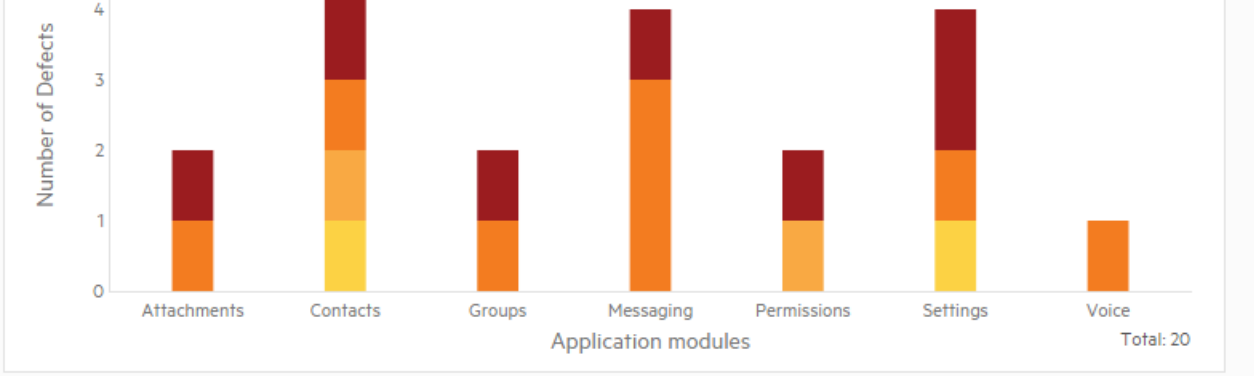
APPLICATION MODULES

PIPELINES

DEFECTS



HPE ALM Octane
A new era of modern quality management for lean, Agile, DevOps teams



Summary : Enable DevOps capabilities

For Continuous Innovation :

- **Motivate** people do things differently
- DevOps is more about **people** than tools
- Let someone with **experience** to help you with improvement
- Focus on valuable and meaningful **KPI**
- **SW Tools** (automation, virtualization) are DevOps friends



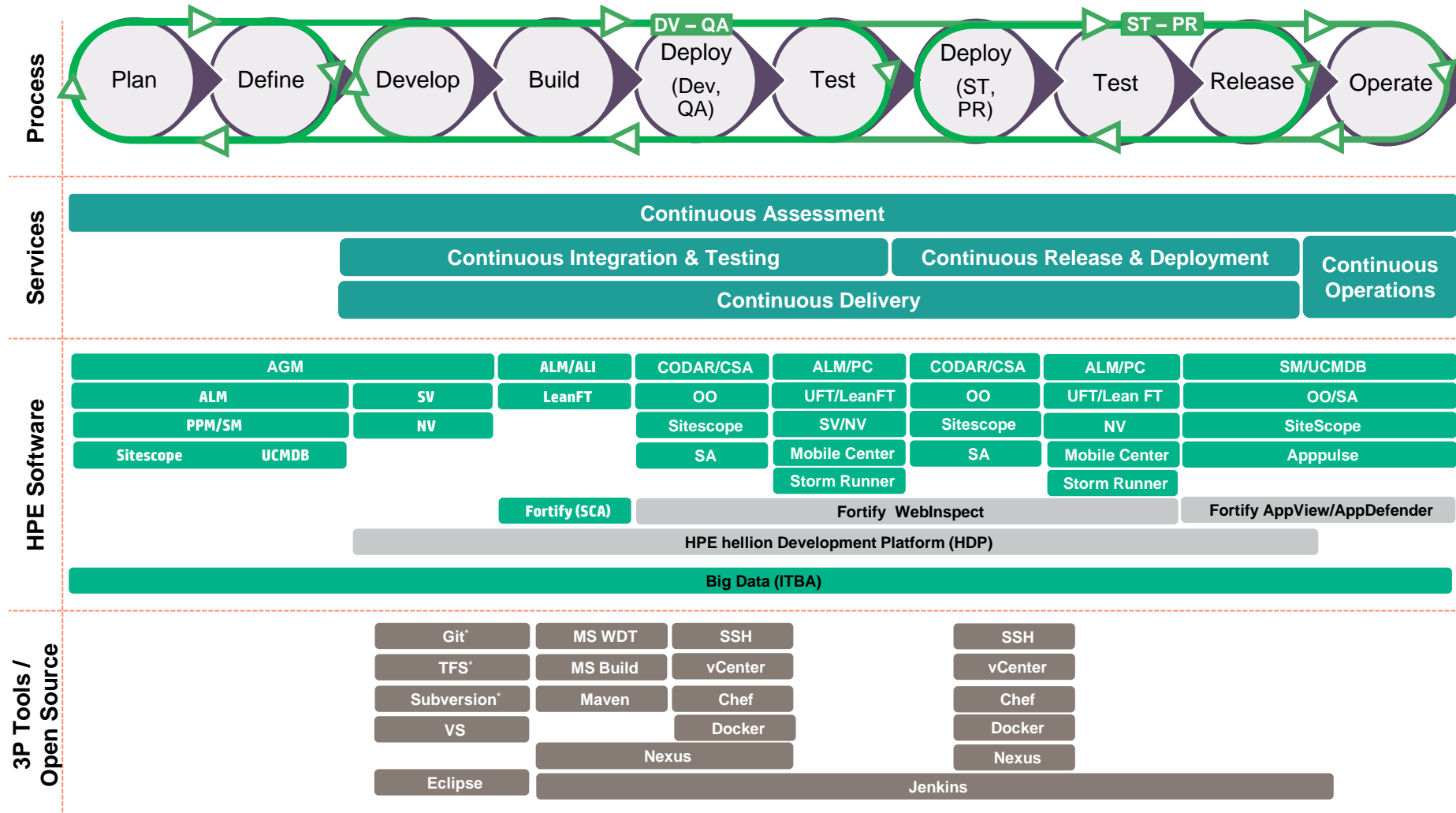


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Thank you

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HPE SW DevOps Technology Overview



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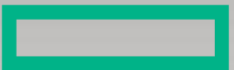
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- Complete the short survey and opt-in for more information from Hewlett Packard Enterprise.

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