

AI Ops

Harnessing AI Ops for a Retailer's Digital Transformation at Pace and Scale Using ITSI

accenture

October 2019





OLI FIGUS

Accenture Technology Strategy Consultant



NICK HOWARD

Accenture Technology Senior Manager

8,513

**MILES FLOWN
TO BE HERE**

2

NATIONALITIES

**AUSTRALIA
ITALY**

5

**LANGUAGES
SPOKEN**

**ENGLISH (AUS, US)
FRENCH
ITALIAN
SPANISH
SPL**

Clear Demand for Digitization

Example Situation



CREATED
MOBILE APP

600%

INCREASED TRAFFIC TO
WEBSITE FROM MOBILE

750K

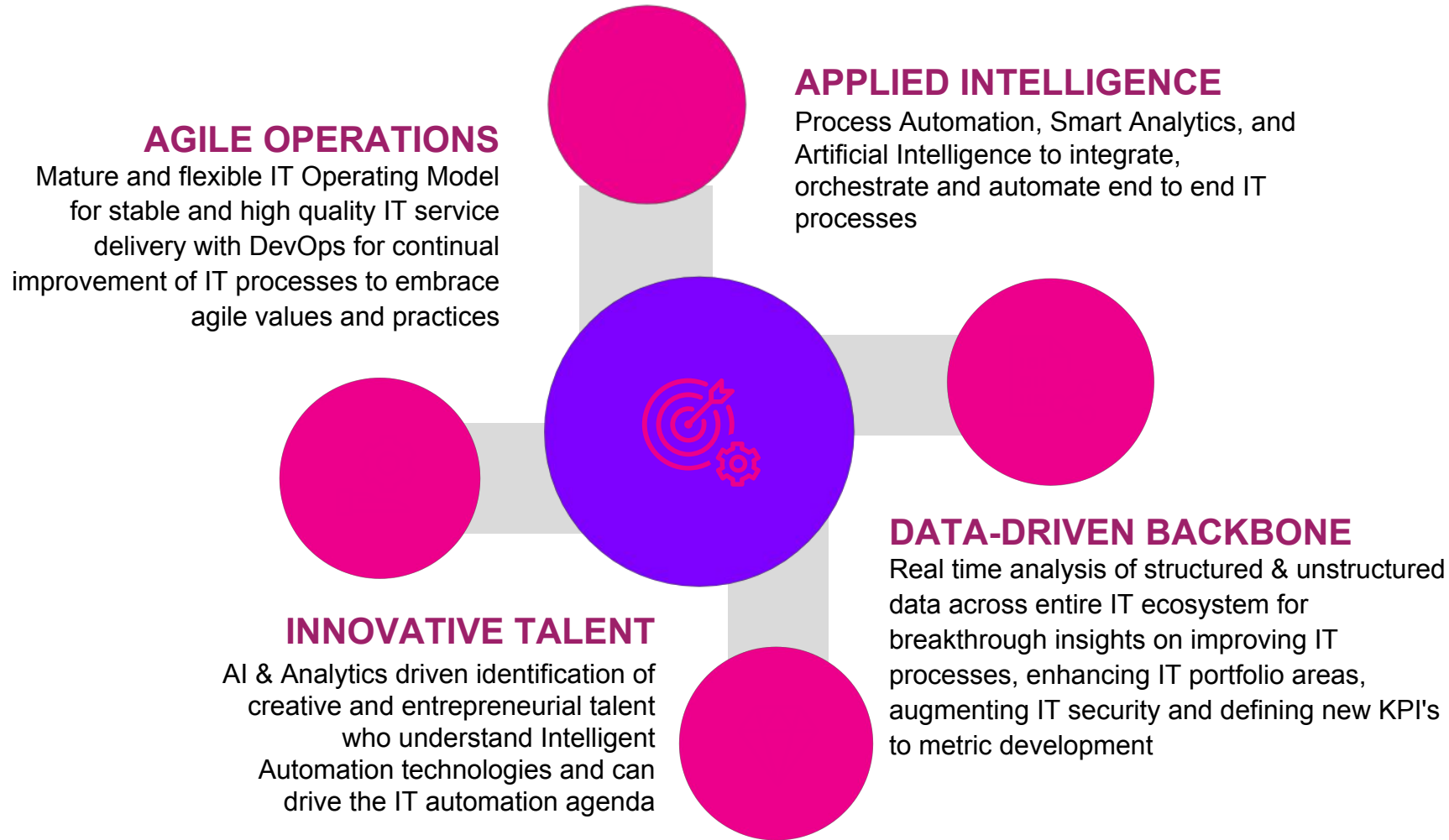
MOBILE VISITS / MONTH





Opportunity for a **WISE PIVOT** + **DIGITAL TRANSFORMATION**

Intelligent Enterprise Essentials





Challenge 1: Lack of Instrumentation to Monitor & Support a Pivot

0

INSTRUMENTATION
METRICS
TELEMETRY
VISIBILITY



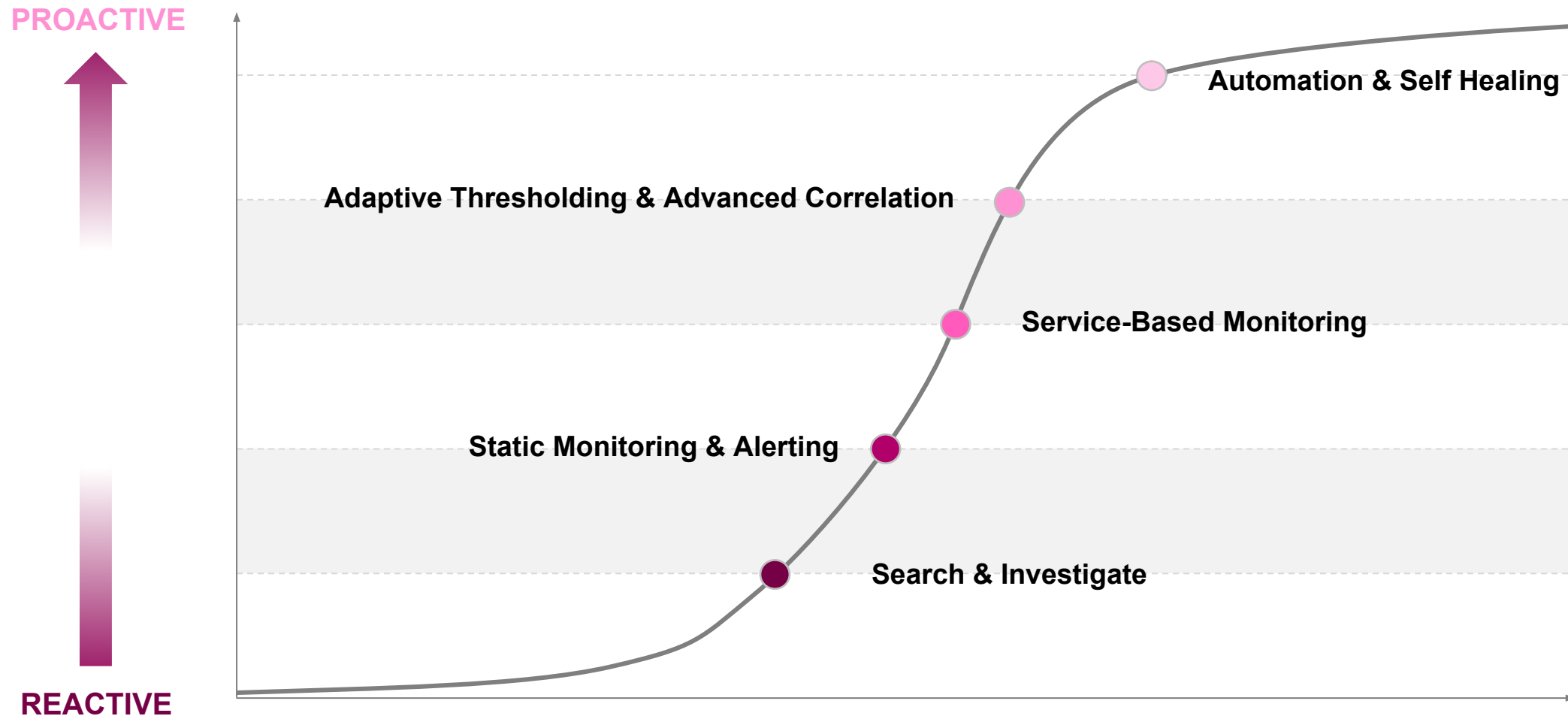
Complex app landscape, making control and flexibility a challenge



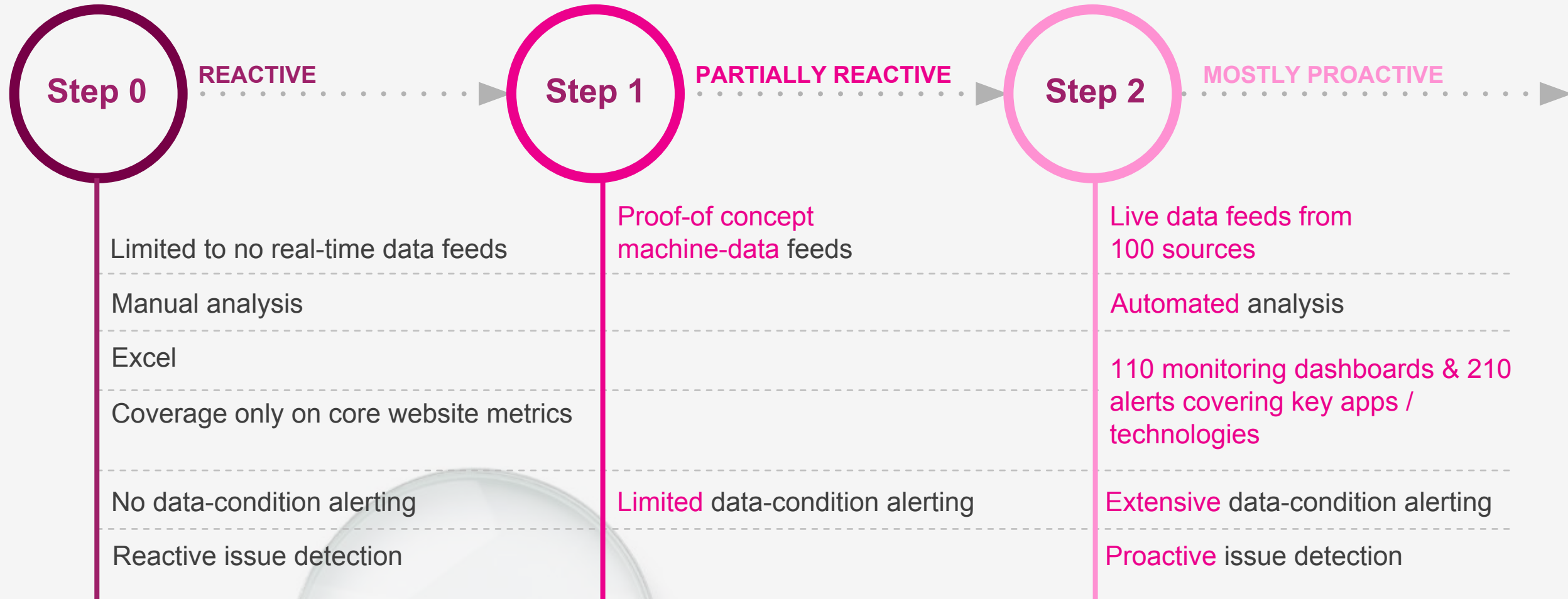
At any given time, clients are supporting code that went live **40 minutes - 40 years ago!**

ANALYTICS CAPABILITY MATURITY MODEL

Development efforts focus on step-wise capabilities to build towards the desired level of intelligence maturity



How to Start: Increase Visibility





Challenge 2: Accelerating to Maintain Competitiveness

Moving to **100% Agile delivery** and **DevOps ways of working** result in radical culture change

How does one keep up with the pace of agility but maintain visibility?

Become More Predictive with ITSI

1

**SERVICE
TEMPLATES**

Drive Scale

2

**GLASS
TABLES**

**Visualize Complex
Architecture**

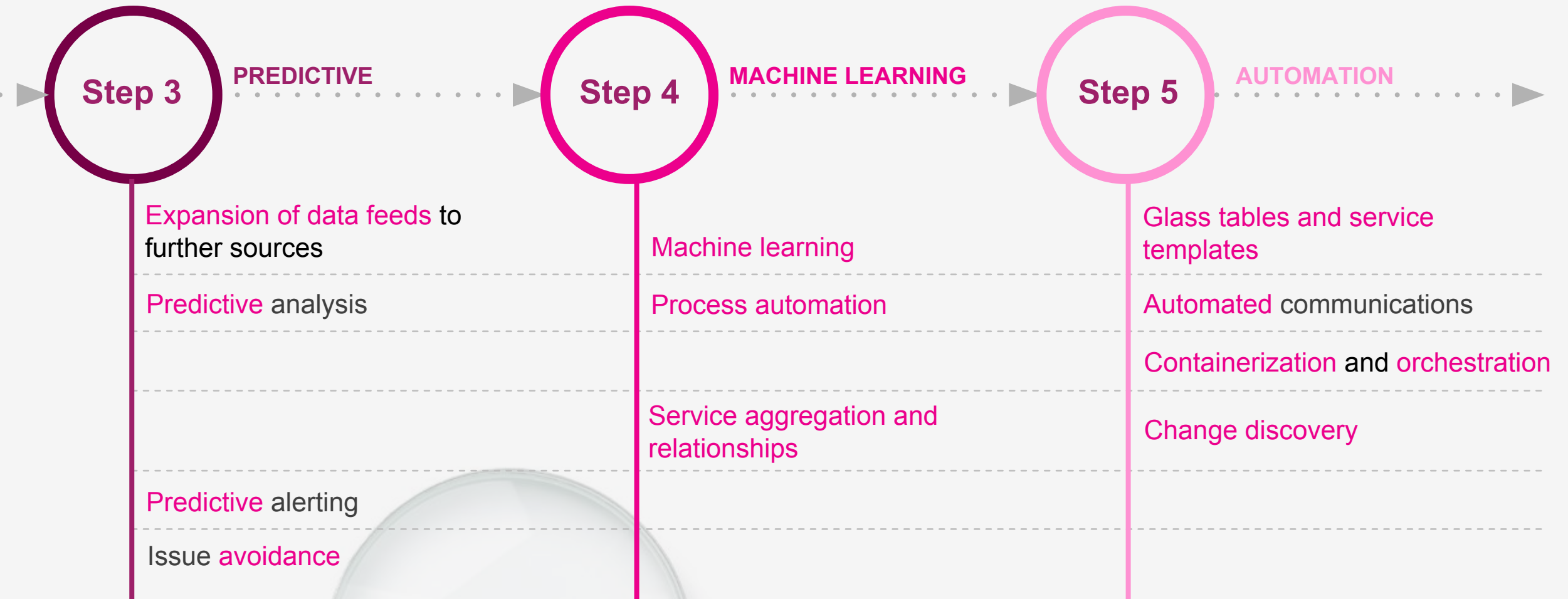
3

**MACHINE
LEARNING**

**Drive Complex
Analysis &
Continuous
Improvement**



How to Evolve: Predict, Learn, Automate



Example Results

182M | INCREASED SALES IN
FIRST 2 YEARS

28% | INCREASED
OPERATING PROFIT

23% | INCREASE IN WEB /
APP VISITS IN 1 YR

45% | INCREASE IN SALES ON
BLACK FRIDAY

38% | GROWTH OF MOBILE
COMMERCE SALES

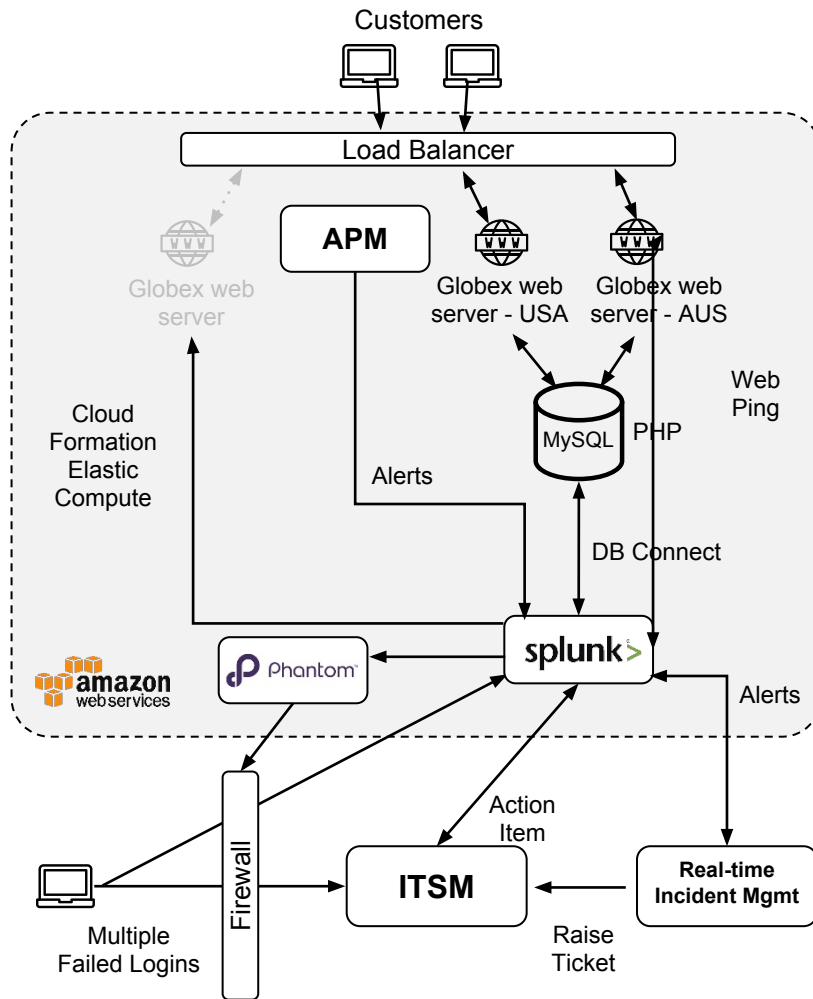


AIOPS DEMO



Configuring the AIOps Ecosystem

Success comes from orchestrating the right end-to-end business service oriented use cases that best align with our desired outcomes



Use Case Eg.	Description
Performance Degradation	APM → splunk> → Real-time Incident Mgmt → ITSM
Outage	APM → splunk> → ITSM → amazon web services
Business Analytics	splunk>
Security	splunk> → Real-time Incident Mgmt → Phantom


It's not about the tools, it's about the configuration

Guiding Principles: Building a Mature AIOps Ecosystem

Focus on **customer and business-focused outcomes**

Anchor on a data backbone of **next-gen platforms**, with focus on **configuration and integration** of tools

Stay **flexible** to accommodate ever changing systems landscapes



Key Considerations for Success & Quick Wins

Employ an agile methodology and approach
focused on user adoption

Obtain necessary sponsorship and collaboration

Target mission-critical services or
applications first to capture value

Develop end-to-end use case work flows

Build stepwise capabilities cohesively

Lessons Learned

1

MAKE IT VALUABLE

Users love to see this **come to life**

2

MEASURE BOTH SUCCESS AND FAILURE

Business is just as defined by the **absence of success** as it is the **presence of failure**

3

RELIANCE ON METRICS

Business metrics are as valuable as technical metrics, but the best possible combination is to have them **together and linked**

4

DATA CURIOSITY

Encourage everyone to be **relentlessly curious** when it **comes to data**



**Thank
You!**