

“L’evoluzione della Testing Factory: nuovi strumenti e tecnologie a supporto delle “moderne” Testing Factories per renderle più agili ed efficienti”

STF 2015

Paolo Garzone - Solution Account Director, Continuous Delivery
EMEA South CA Technologies

17 Giugno 2015





2004

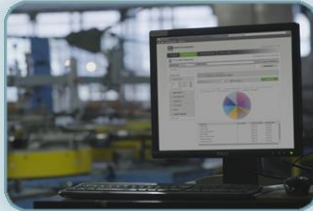
2014

HOW Many
ARE STILL
IN BUSINESS?

“Software is eating the world”

- Marc Andreesson

Wall Street Journal, *Why Software is Eating the World*, August 2011



\$177B

Public cloud services market expected to grow 16% in 2015 to \$177 billion¹



welcome to the **Application Economy**

268B

By 2017, mobile apps will be downloaded more than 268 billion times²



50%

By 2018, more than 50% of B2B collaboration will take place through Web APIs³

¹ Gartner Forecast: Public Cloud Services, Worldwide, 2012-2018, 4Q14 Update, E.G. Anderson, et al., 10 April 2015

² Gartner Hype Cycle for Application Development, 2014, Thomas E. Murphy, et al., 29 July 2014

³ Gartner Press Release, "Gartner Says by 2017, Mobile Users Will Provide Personalized Data Streams to More Than 100 Apps and Services Every Day" January 22, 2014 <http://www.gartner.com/newsroom/id/2654115>

Every Company is Becoming a Technology Company, Every Business a Digital Business



DIGITAL TRANSFORMATION



Re-thinking how the business operates to find new ways to create and deliver customer value



**Eliminate
constraints
and critical
dependencies**



**Rapidly deliver
high-quality
applications
and services**

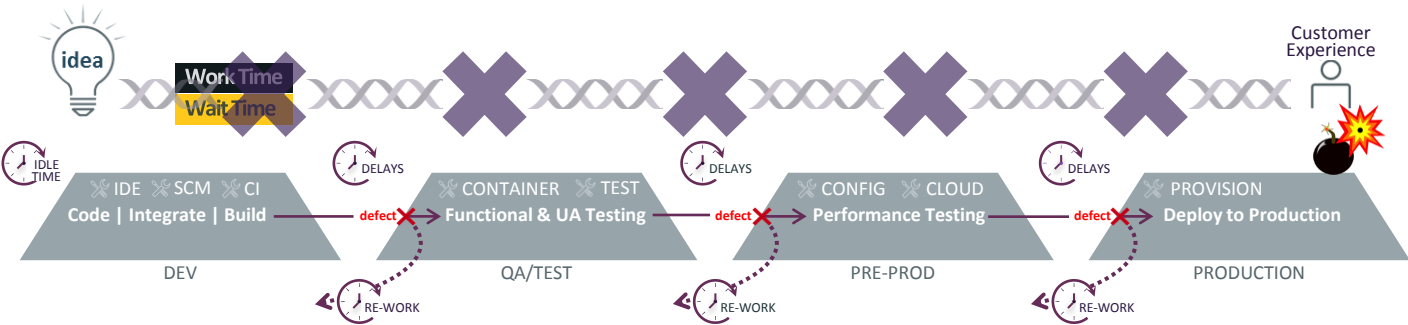


**Create
and deliver
exceptional
customer value**

**CONTINUOUS
DELIVERY**

Traditional “software factory”

- Developers Deadlocked
- Constrained Environments
- Manual Testing
- Too little testing, too late in the cycle
- Too many disparate tools
- Manual Scripting
- Poor customer experience



SLOW AND INEFFICIENT - EXCESSIVE IDLE TIME, DELAYS AND RE-WORK

Continuous Delivery

Developers Deadlocked

Constrained Environments

Manual Testing

Too little testing, too late in the cycle

Too many disparate tools

Manual Scripting

Poor customer experience

Parallel Work Streams

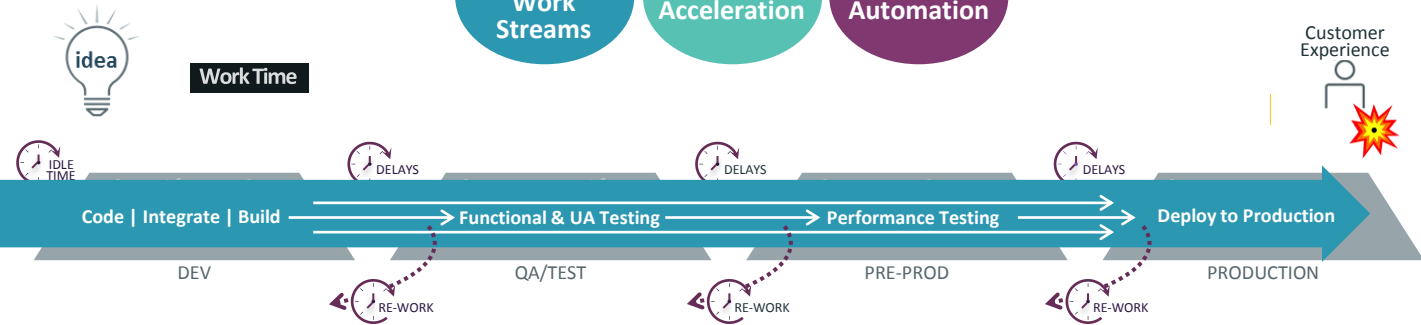
Quality Acceleration

End-to-end Automation

idea

Work Time

Customer Experience



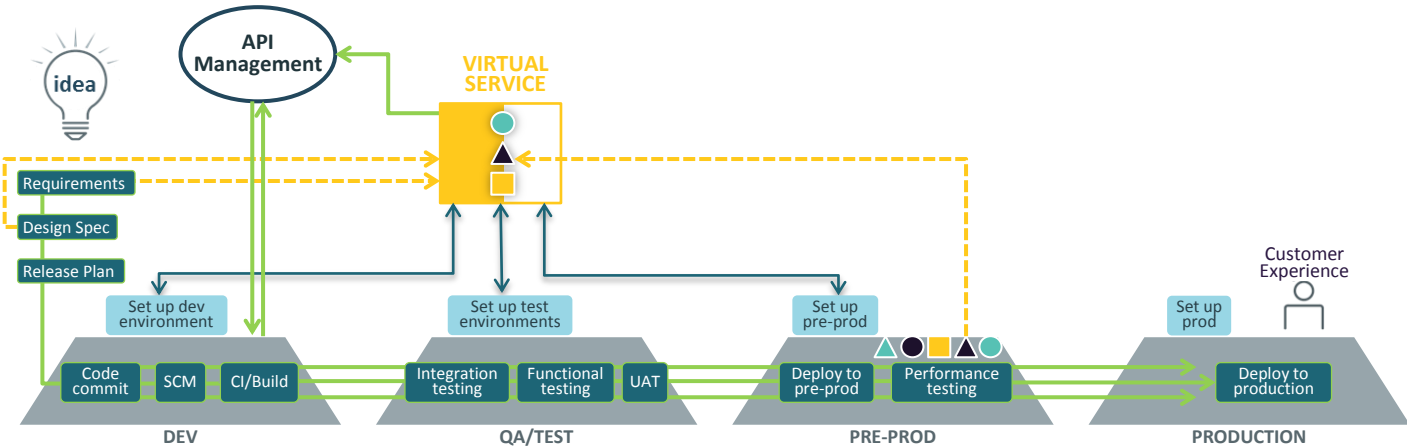
TOOLING FOR HIGHLY AUTOMATED, END-TO-END SOFTWARE PIPELINE

Parallel Work Streams

Accurately simulate constrained systems

Quickly create, edit and deploy virtual services

Virtualize APIs and manage access



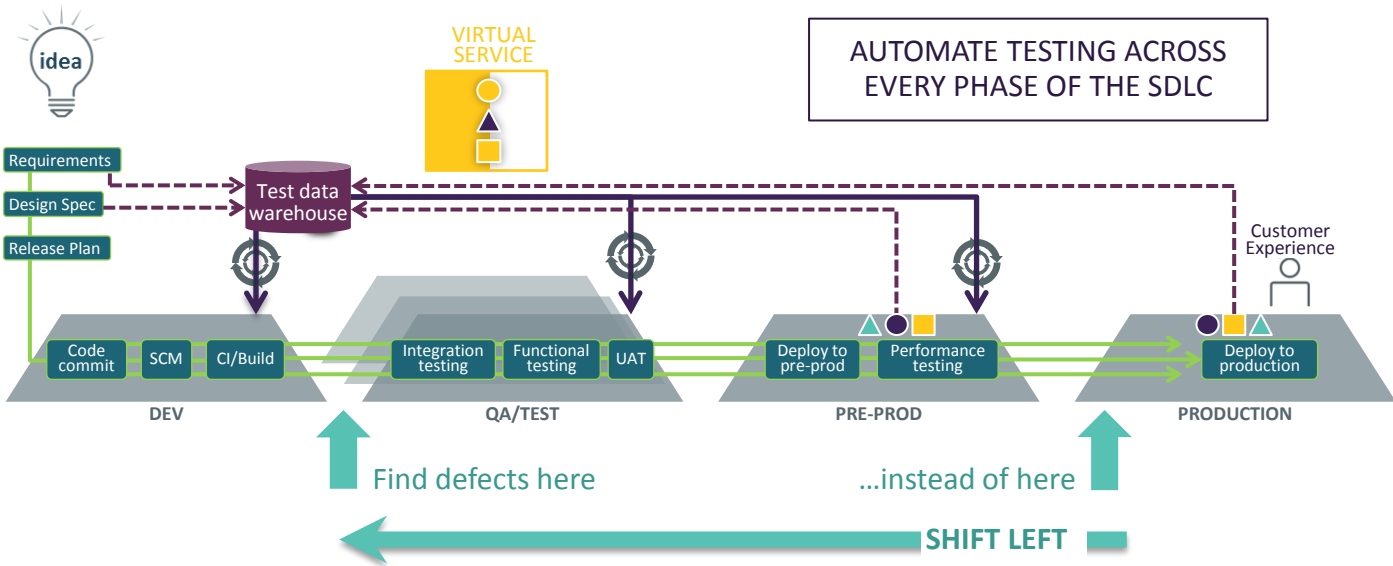
ELIMINATE DEPENDENCIES AND CONSTRAINTS
TO ENABLE PARALLEL WORK STREAMS

Quality Acceleration

Capture, create, store and manage test data to re-use and share

Automatically generate test cases and virtual services

Test on any device or platform mobile-to-mainframe



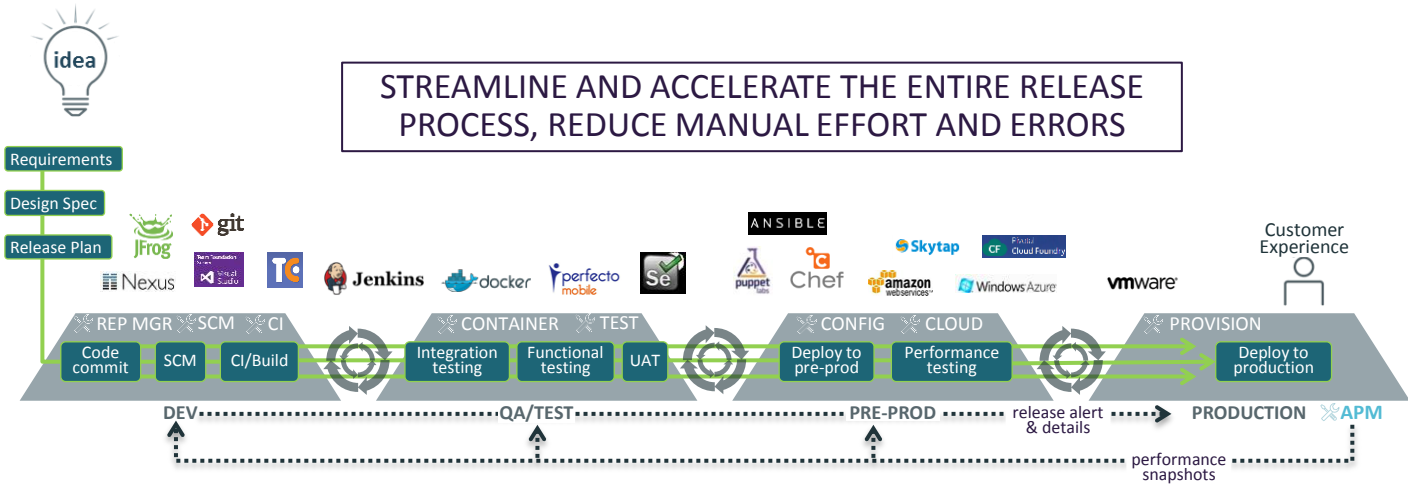
End-to-end Automation

Integrate 100+ open source and 3rd party tools

Automate application deployment & promotion

Create continuous feedback loops

STREAMLINE AND ACCELERATE THE ENTIRE RELEASE PROCESS, REDUCE MANUAL EFFORT AND ERRORS



Continuous Delivery **REDEFINED**



Parallel
Work
Streams

Reduced infrastructure
and outsourcing costs
by as much as

\$1 million

Quality
Acceleration

Autotrader 

Saved an average of

576

man-hours per release

End-to-end
Automation

ING 

Reduced test data
set up effort by

75%

Increased test
coverage from

30% → 80%

 **UnionBank**

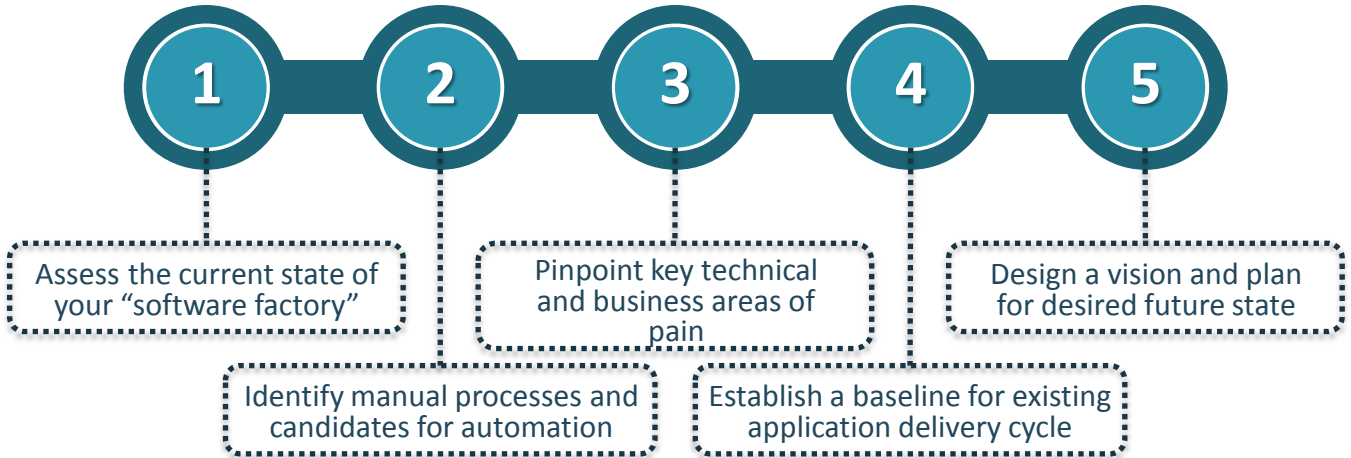
Reduced testing costs

85%

Reduced application
deployment time up to

94%

Where do You Start?





R.I.P



DOMINANCE





Don't Become the
BLOCKBUSTER
of the Future



Bridge the gap to the **Application Economy**



Paolo Garzone

Solution Account Director, Continuous Delivery
EMEA South CA Technologies
paolo.garzone@ca.com

 [@CA_Italy](#)



in

ca.com/it