5 Ways DevOps Practices Boost Innovation on the Mainframe

ca technologies®

But innovation doesn't apply to mainframes, does it?

Digital transformation in the modern software factory is essential. And mainframes are mission-essential elements of this transformation in many industries, including, finance, transportation, insurance and others.

The industry is adopting agile and DevOps practices throughout IT to increase business agility. But mainframe teams have been left out of this transformation. Until now.

In this book, explore the potential for DevOps in your organization, told from a mainframer's point of view.

Improve Business Agility Through Agile Development

Achieve End-To-End Managerial Visibility into the SDLC

Continuous Testing: Shift Left to Improve Quality and Reduce Test Cycles

Continuous Delivery Keeps Mainframe Applications Up to Speed

Continuous Availability, Monitoring & Performance Enhances UX

Improve Business Agility Through Agile Development

"Teams face a variety of challenges in delivering mainframe application improvements at **digital business speed**."

Kurt Bittner and Robert Stroud, Forrester Research, Inc., "Digital Transformation Needs Mainframe DevOps," June 20, 2016

Agile projects are

3x MORE LIKELY TO SUCCEED THAN TRADITIONAL WATERFALL PROJECTS.[1]

65% of CA Gen, CA Endevor® or CA ALC users surveyed deem these products "effective" or "very effective" in addressing the pressure of **delivering software more frequently**.[3]

Highly agile organizations are

40% MORE LIKELY TO SUCCESSFULLY COMPLETE THEIR STRATEGIC INITIATIVES.[2]

Turn to CA Mainframe Application Development, Quality and Testing Tool solutions to build agile capabilities into your mainframe environment.

Learn how **CA development solutions** drive business value.

Try the ROI calculator.

1 InfoQ, "Standish Group 2015 Chaos Report--Interview with Jennifer Lynch," October 4, 2015, https://www.infoq.com/articles/standish-chaos-2015
2 Project Management Institute, "Capturing the Value of Project Management," Feb 2015, http://www.pmi.org/-/media/pmi/documents/public/pdf/learning/thought-leadership/pulse/pulse-of-the-profession-2015.pdf
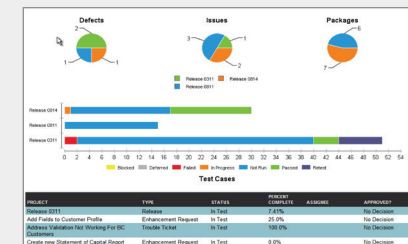3 TechValidate, "CA Technologies Mainframe Tech Facts," Dec 10, 2015, https://www.techvalidate.com/product-research/ca-testing-solutions/facts/BF9-0EB-589
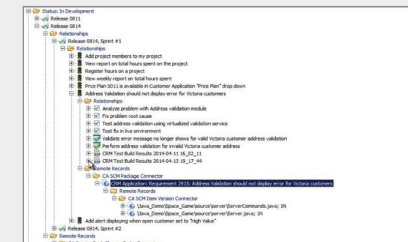
Achieve End-To-End Managerial Visibility Into the SDLC

55%

of a developer's time is typically spent on non-development work[1]

That's why developers need tools to effectively coordinate systems development lifecycle activities for project management and governance.

Cluster/job/node management

Heterogeneous system management
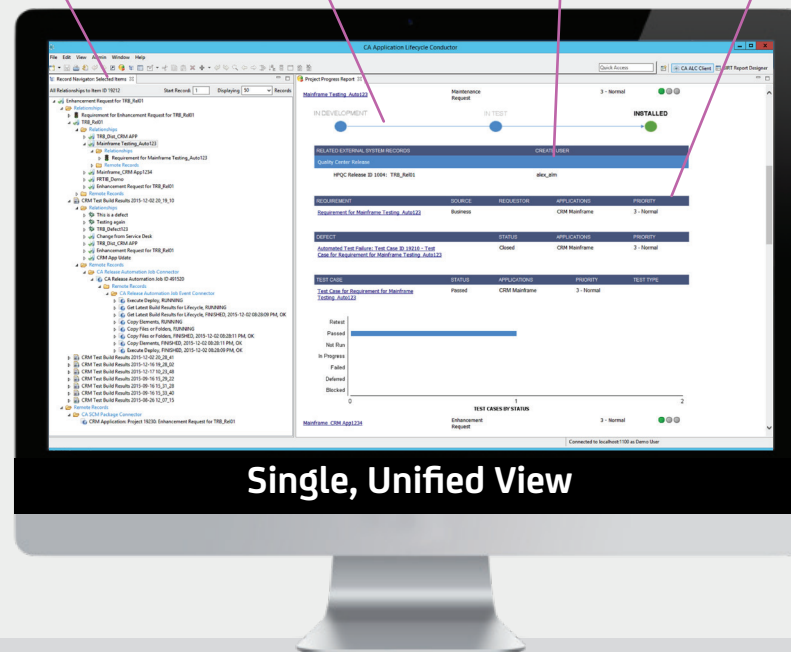
Intelligent alert management

Real-time job information

End-to-end reporting, real-time dashboards
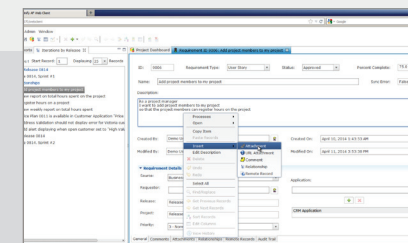
Complete visibility & traceability

Flexible/modern interface

Single, Unified View

CA Application Lifecycle Conductor enables agility and DevOps on the mainframe.

Calculate the savings now and **learn more**

Continuous Testing: Shift Left to Improve Quality and Reduce Test Cycles

Early error detection = BIG $ SAVINGS[1]

$1 for code-fix during testing

$10 for code-fix during QA

$100 for code-fix during production

MAINFRAME TESTING REMAINS A BARRIER

"When their only option is extensive manual testing, they hold off changes for as long as possible. Preventing change is not the solution; better and more complete testing is."

— Kurt Bittner and Robert Stroud, Forrester Research, Inc., "Digital Transformation Needs Mainframe DevOps," June 20, 2016

CA Service Virtualization **reduces development and test cycles** and speeds time to market.

Maximize efficiency by adopting the CA Testing Tools suite:

- **CA File Master™ Plus**
- **CA InterTest™ / CA SymDump®**
- **CA Test Data Manager**
- **CA Service Virtualization**
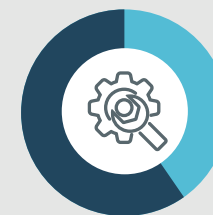
THE RESULTS SPEAK FOR THEMSELVES

Property & Casualty Insurer achieved[2]

50%

CYCLE TIME REDUCTION

90%

ERROR REDUCTION

67% of surveyed companies with integrated CA Endevor SCM and CA Testing Tools **reduced manual errors by 50% or more**[3]

We're building the next generation of continuous and automated testing capabilities on the mainframe environment. **Request a Call and Learn More**

1 Ovum, "Meeting the Challenges of Change Management," February 20, 2012
2 CA Service Virtualization data sheet, http://www.ca.com/content/dam/ca/us/files/data-sheet/ca-service-virtualization.PDF
3 TechValidate, "Survey of 25 Users of CA Technologies Testing Solutions," Published Sept. 10, 2013, TVID: F93-240-0F1

Continuous Delivery Keeps Mainframe Applications Up to Speed

To deploy a successful continuous delivery strategy, adopt **CA Endevor Software Change Manager**, the **industry's leading** mainframe source code and configuration management solution, with **CA Release Automation**.

Building DevOps competency **delivers huge business advantages**. Ccompared to lower performing IT teams, high performers:[1]

REDUCE TIME TO MARKET

Deploy **200x** more frequently

Require **2,555x** shorter lead times

Recover **24x** faster

IMPROVE RELIABILITY

Spend **22%** less time on unplanned work and rework

Have **3x** lower change failure rates

CA Endevor SCM

*A Fortune 100 company achieved **continuous automated deployments***

500 DEV PACKAGE PROMOTES PER MONTH

150 PRODUCTION PACKAGE DEPLOYS PER MONTH

Zero PRODUCTION BACKOUTS

CA Release Automation

389% ROI TOTAL **ECONOMIC IMPACT** WITH PAYBACK IN **2.8 MONTHS**.[2]

ING INCREASED RELEASE FREQUENCY TO CONSISTENTLY OVER **12,000**/MONTH[3]

We're building the next generation of continuous delivery capabilities on the mainframe environment. **Request to call.**

1 Forrester, "State of DevOps," 2015
2 Forrester, "The Total Economic Impact(TM) of CA Release Automation," December 2015
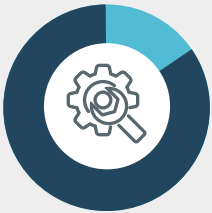3 "ING Builds Highly Available Continuous Delivery Pipeline with Microservices and Containers," CA World® 2015 Presentation

Continuous Availability, Monitoring & Performance Enhances UX

REDUCED LPAR

80%

An **insurance company** in Germany reduced their overall daily batch processing time from 14 hours to 7 hours, and were able to **reduce LPAR utilization to 80% in just two weeks.**[1]

REDUCED HOURS

14 to 1

And a **public company** in Brazil **reduced the processing time** of a troublesome batch job from 14 hours to 1 hour 10 minutes.[1]

INCIDENT DETECTION SAVED

450K+

A banking customer saved $450K+ over three years with proactive incident detection, while improving collaboration between distributed and mainframe teams.[1]

Run the CA Mainframe Application Tuner **business value estimations asset**

Learn more about **CA Enterprise Performance Management**.

Learn more about how CA can
help you build agile DevOps capabilities
and innovate on the mainframe.

Request a Call.

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