Those who build the apps will own the future...

Power Meets Innovation in the Application Economy
The new application economy is fundamentally changing the world of business across all industries. Technology savvy consumers increasingly demand mobile apps that give them anytime, anywhere capabilities to:

- Complete bank transactions
- Make retail purchases
- Book travel or meal reservations
- Conduct research

That means companies need to supply their customers with high-powered apps to access their products and services if they want to remain competitive. Meanwhile, those same companies are under pressure to provide employees with the mobile resources to do their jobs on the go.

The competition for users is fierce. As of July 2014, approximately 1.3 million apps are available from Google Play and 1.2 million in the Apple App Store.¹ The ability to scale to meet users’ demands for performance, reliability and security requires serious computing muscle.

It’s mainframes that provide the back-end power that allow mobile apps to thrive.

USERS SPEND
2 HOURS AND 42 MINUTES EACH DAY ON MOBILE DEVICES

NEARLY 86% OF THAT TIME IS DEDICATED TO USING MOBILE APPS

CONNECTING MOBILE-TO-MAINFRAME IN THE APPLICATION ECONOMY

Mobile-to-Mainframe Innovation is Critical

The velocity of change in the mobile app marketplace is breathtaking. And the IBM z Systems platform plays a crucial role in the ability to keep pace and ensure success every step of the way, including:

- **DevOps**—In a 2015 study by Freeform Dynamics, over 70% of respondents indicated their IT organization had implemented DevOps to one degree or another. Moreover, the study found that compared to those without DevOps, advanced adopters are 2x or more likely to have seen improvements in customer retention, customer acquisition, market share and revenue growth.¹

- **Digital Transformation**—Mainframes represent the power behind digital apps: executing critical transactions, storing key data and providing the speed, performance and security users demand from the application economy.

- **Security**—The astronomical increase in cyber-threats demands high-powered security. Mainframes provide the necessary encryption and security protocols while enabling high levels of speed and responsiveness.

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Success accrues to the developers who are able to deliver reliable, high-value apps to market first. The key is finding innovative application development solutions that speed the development process but don’t require costly system rewrites. CA offers a number of elegant solutions designed to accelerate development while providing for optimal quality and dependability.

**CA SOLUTIONS: Mobile-to-Mainframe Application Development**

- **CA Application Lifecycle Conductor** tracks and governs the software development lifecycle from mobile-to-mainframe environments.  
  ➔ [Learn more.](#)

- **CA Endevor® Software Change Manager** provides business-driven, customizable lifecycle paths and automated version control to protect software assets and maintain application integrity.  
  ➔ [Learn more.](#)

- **CA Gen** delivers a single, integrated development environment that can help teams create and maintain large-scale business apps for multiple platforms.  
  ➔ [Learn more.](#)
Most organizations need to run applications designed for a wide variety of platforms. But, coordinating cross-platform workload management for maximum cost and resource efficiency is a complex balancing act—especially while also enhancing performance. It requires innovative IT orchestration solutions that can continually monitor demand and automatically manage multi-platform and application dependencies to optimize results.

CA SOLUTIONS: Mobile-to-Mainframe IT Orchestration

- **CA Workload Automation** simplifies cross-platform workload management to add flexibility, while lowering costs by reducing the need for manual system monitoring and management.  
  → Learn more.
CA SOLUTIONS: Mobile-to-Mainframe Big Data Management

- **CA UIM for Big Data Monitoring** monitors big data technologies such as Hadoop, Cassandra and MongoDB as well as traditional IT infrastructures through a single, unified view and architecture. → [Learn more.](#)

- **vStorm Connect Data Streaming for Big Data** helps integrate and provide quick access to enterprise data residing on both your distributed Hadoop infrastructure and your mainframe. → [Learn more.](#)

- **CA Workload Automation Advanced Integration for Hadoop** helps manage dependencies between Hadoop and your entire IT landscape (AE, DE and ESP Editions). → [Learn more.](#)
To maintain control over today’s complex computing environments, it’s necessary to unify IT management across the entire application infrastructure—from mainframe to mobile to cloud. Unified management can simplify the infrastructure and make it easier to manage. Plus, with comprehensive visibility from a single pane of glass, you’ll frequently be able to predict and prevent problems before they occur. And even when you can’t, you’ll have the ability to detect and resolve issues before they can severely disrupt system or application performance.


- **CA Performance Management** provides broad visibility and in-depth tools to optimize performance across large, complex systems, while helping to increase business agility and reduce costs.  
  [Learn more.](#)

- **CA Storage Management** provides the ability to maintain high levels of data availability and protection using a consistent interface to manage multiple storage platforms.  
  [Learn more.](#)

- **CA Unified Infrastructure Management** provides a holistic end-to-end view to proactively monitor performance and availability of an entire IT infrastructure—from a single scalable solution.  
  [Learn more.](#)
The Customer: Standard Life

Standard Life is a Fortune Global 500 provider of long-term savings, investments, workplace pensions and employee benefits.

THE CHALLENGE: Each month, Standard Life conducts actuarial valuation requiring cloning of over 130 DB2 tables and indexes, then executes a set of batch programs against the cloned objects. Minimizing elapsed time of database cloning is critical. The process was taking too long—often not completing until noon of the following day.

“It was a fantastic experience for us, and it’s a great opportunity to influence product development. Connecting through Agile Development is definitely a win-win for customers and partners and for CA. When you work with CA, they solve your problem.”

— Alex McShane, Senior Technician, Standard Life Insurance

THE RESULTS:

Reduced time 98%
Time to clone DB2 databases was reduced from 3.5 hours to 3 minutes

Reduced cost 99.5%
Million Service Unit (MSU) cost was reduced from 50 MSU to 0.25 MSU

More responsive
IT was able to be far more responsive to the business
HELPING OUR CUSTOMERS DRIVE BUSINESS RESULTS

The Customer: A Leading Global Financial Services Provider

THE CHALLENGE: In the increasingly competitive banking environment, organizations are being pushed to get to market faster in all areas of the business. CA helped this financial services provider optimize its IT infrastructure and underlying business processes to support a broad range of products and services offered in more than 55 countries.

THE RESULTS:

118% increase in operational efficiency

51% fewer cancellations on batch processes

Increased jobs executed annually from 1.6M to 3.5M

Reduced batch timeframe to 1½ hours
Mainframes: An Integral Part of the Application Economy

It’s a new world—one that requires speed and agility.

To deliver the velocity you want, CA is investing in a forward-looking view of the mainframe—connecting you with what you need, where you need it and when you need it.

Mobile-to-Mainframe integration helps you to deliver an exceptional customer experience, maximize your ROI and grow your business. Further, it empowers you to connect and integrate your mainframes with mobile and cloud through solutions designed to:

- Accelerate application development
- Optimize IT orchestration
- Power data management
- Unify IT management

CA solutions enable system orchestration from a holistic view that spans your entire enterprise; where mainframe is not an exception, but a participatory and integral part of your IT infrastructure.

Those who build the apps will own the future—and those apps continue to rely on the MAINFRAME.
Don’t be left behind. Learn more at: ca.com/mainframe

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate—across mobile, private and public cloud, distributed and mainframe environments. Learn more at ca.com.