

Mobilize the Mainframe for a Digital World

*Put your business in motion.
Build a mobile enterprise with System z*

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Mobile Is Changing Interactions And How Work Gets Done

People are transacting on mobile

- The average mobile phone user checks their phone 150 times a day

But the experience of mobile is not yet meeting expectations

- 80% of apps are used once then deleted

Mobile transactions are generating unprecedented amounts of data

- Global mobile data traffic will increase 26-fold between 2010 and 2015, reaching 6.3 exabytes per month by 2015

This data is helping organizations deliver new value

- By 2020, 90% of new passenger cars sold will have some form of vehicle mobile platform, up from 10% in 2012.

Mobile enterprises leverage this data, putting the right information into the right hands at the right times

- By 2015, 2/3 of the workforce will own a smartphone, and 40% of the workforce will be mobile



As a Result, Leaders are Redefining Their Agendas

**73% of
CEOs**

Are prioritizing investments in customer insights



**82% of
CMOs**

Plan to increase the use of social media



74% of CIOs

Say mobile solutions are part of their vision for increasing competitiveness



**70% of
COOs**

Identify supply chain visibility as the top challenge in delivering on their agendas



Solving Key Business And IT Challenges with System z



- Developing apps that integrate with information from System z data
- Customer demands drive need to rapidly develop, deploy and update apps with stability and compliance
- Deploy apps that access back-end systems with optimal performance



- Protection of privacy and confidential information
- Policies for client-owned smartphones and tablets
- Visibility, security and management of end-to-end security
- Infrastructure complexity from multiple device platforms



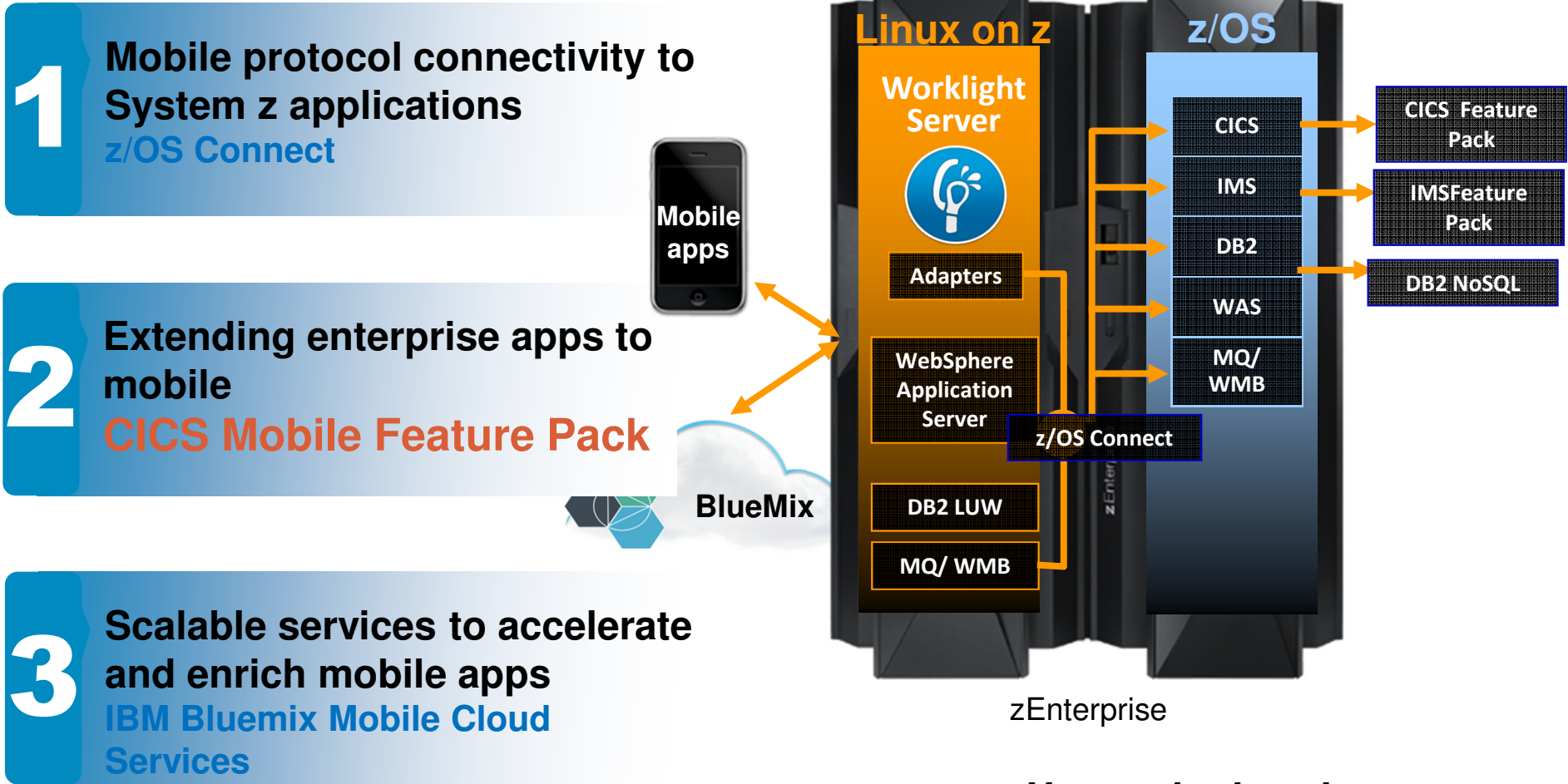
- Clients operate in a “4 screen” world
- Leverage mobile information to deliver deeper engagement
- Analytics on System z extending to mobile apps



- New process and business designs required for transformation opportunities
- Rapid and disruptive innovation shortening time to value requirements



Connecting mobile apps on the zEnterprise



Unmatched scale to support millions of transactions per day



Philippines bank **RCBC** transforms IT to gain 1.2M customers in one year



Challenges

RCBC needed an IT infrastructure to support a core-banking system that would help the bank improve efficiency, launch products faster and provide anywhere-anytime mobile access to banking products and services.

Solution

Developed mobile solutions using IBM Worklight platform and Rational Team Concert software workflow to track the development process, from code checkout to promotion to the target environment which extended their business beyond traditional brick-and-mortar branches

Benefits

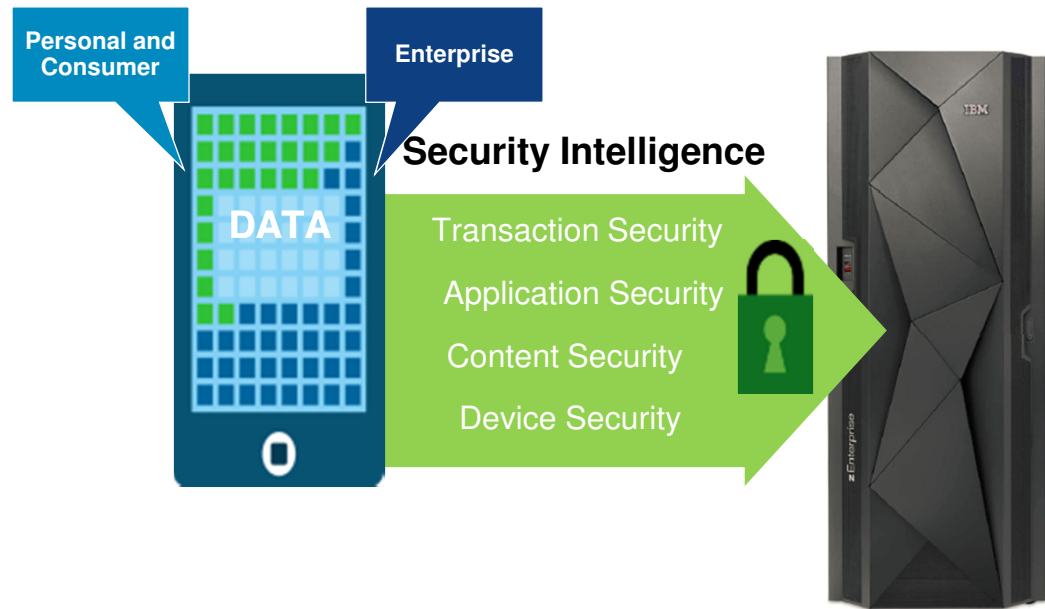
Reduced new product launch times by 50 percent and increased its readiness to effectively compete in the marketplace, moving two to three years ahead of its competition.



IBM MobileFirst

With System z:

- Instrument applications with security protection from mobile to back-end systems
- Secure mobile transactions from customers, partners and suppliers
- Preserve native device experience without compromising security
- Separate personal and business data
- Provide intelligent access based on risk and location



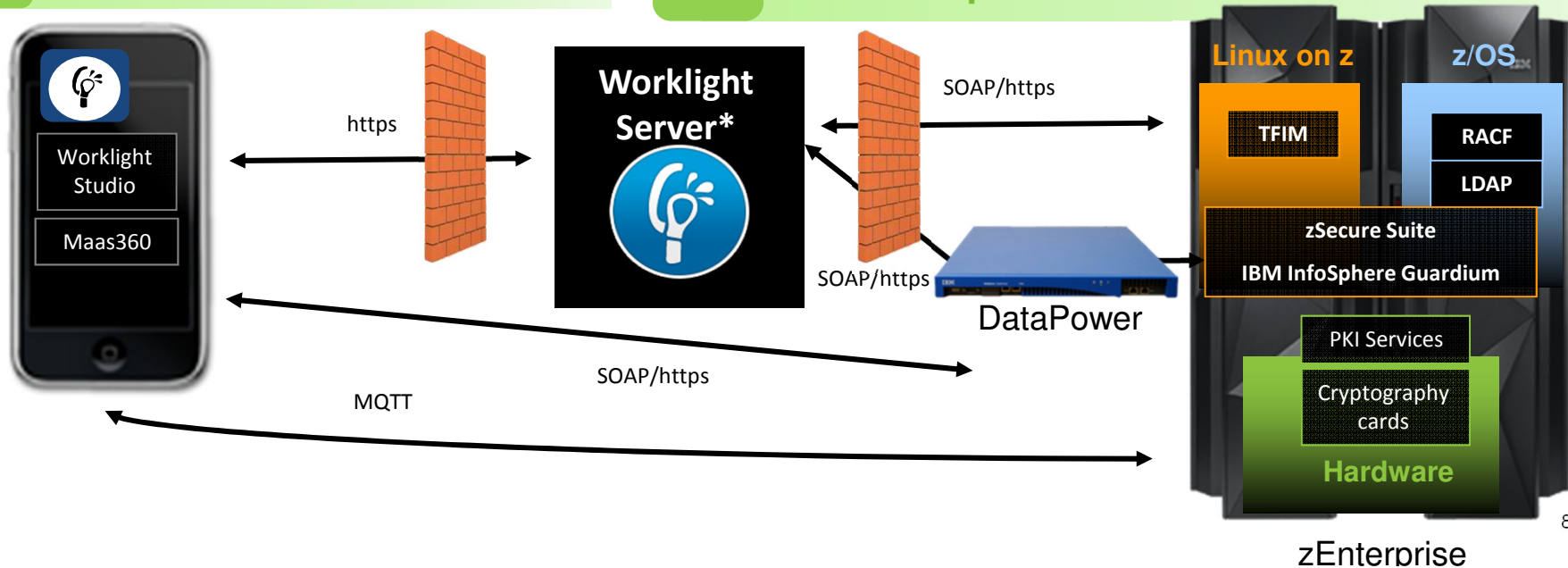
Securing mobile apps for sensitive data on System z

1 Unified management and security control for mobile devices
Fiberlink MaaS360
Trusteer

2 Enforce web and mobile security policies
IBM DataPower
IBM CastIron

3 Protect against fraudulent and unauthorized access
IBM Security Access Manager for Mobile

4 Security foundation for System z mobile workloads
IBM Security zSecure Suite, RACF, LDAP,
IBM Security QRadar SIEM,
IBM InfoSphere Guardium



UK's saving and mortgage **Nationwide** transformed from legacy core systems to a modern, real-time, multi-channel banking system



Challenges

Nationwide knew that it needed to transform its service offerings to embrace new channels and personalized products. Customers demanded an always-on, multi-channel banking system

Solution

Used DB2 for z/OS to enable to operate in real-time and across multiple channels with resiliency and stability for managing millions of accounts. Used IBM security tools to manage different levels of access rights with ease.

Benefits

24/7 availability to support anytime, anywhere banking services, shorter time-to-market for new accounts, and ample scalability to support Nationwide's ambitious growth plans.



Engage

*customers in context by
leveraging mobile
insights*

IBM MobileFirst **With System z:**

- Quickly create and deploy personalized mobile campaigns and gain insights with analytic information from System z
- Maximize brand value by integrating the physical and digital experiences of mobile customers
- Receive timely, informative and interactive information to support decision-making, regardless of location.



Analytics solutions for mobile apps in the zEnterprise

1 Informative and interactive business intelligence
IBM SPSS and Cognos Solutions for Linux on System z

2 Complex queries in seconds
IBM DB2 Analytics Accelerator for z/OS

3 Visibility into the customer mobile experience to optimize app design
IBM Tealeaf



Providing superior customer service at **Banca Carige** by launching innovative mobile services and analytics



Challenges

Banca Carige needed to develop an improved understanding of consumer behavior through analytics, and launch new mobile services that engage and retain customers through great service.

Solution

Banca Carige built an analytics environment and a new mobile banking service using IBM software on IBM zEnterprise EC12 mainframes, which provide round-the-clock availability and high security

Benefits

Launching new services meets changing customer demands, while the proven underlying technology accelerates deployment and reduces risk; consolidating to a single platform cuts cost and complexity.



Transform

*the value chain to drive
growth and ROI*

IBM MobileFirst

Can Help You:

- Design new engagement models placing the customer first
- Use cost-effective workload mobile pricing on System z for competitive advantage
- Use Linux on z solutions to build new business models that drive revenue

In essence,

Reinvent Business with Mobile



Transform your mobile apps with System z

1

Collaborate with IBM mobile experts and design new System z mobile innovation

IBM MobileFirst Studios

2

Develop cost-effective mobile solutions with System z

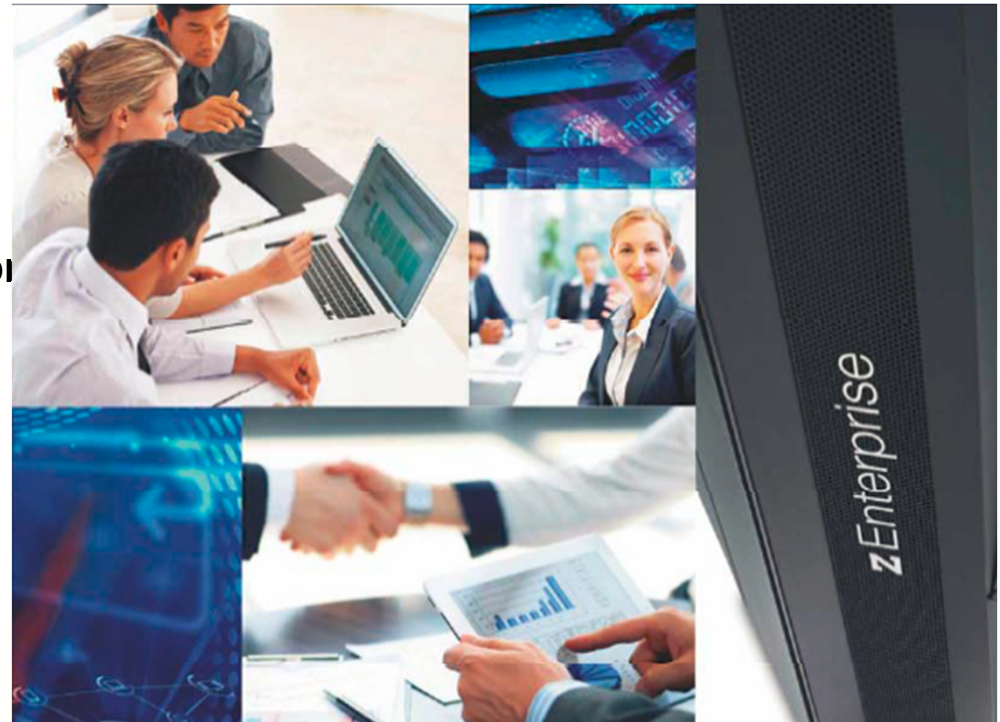
IBM Workload Pricing on System z

3

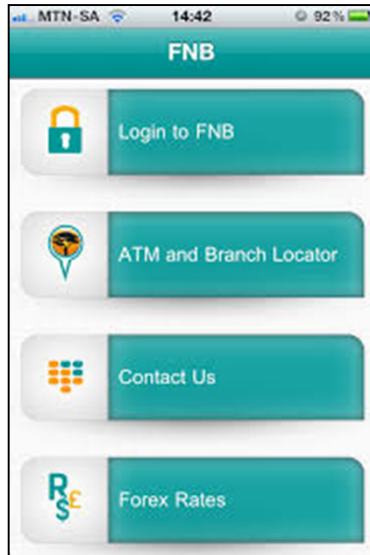
Accelerate the Mobile Transformation Journey with System z solutions

IBM Ready Apps

Linux on System z solutions



FNB drives unprecedented growth and performance in mobile banking



Challenges

in South Africa, more people have cellphones and smart mobile devices than bank accounts. FNB wanted to launch a reliable, secure and highly responsive mobile channel before its competitors, and looked for a platform that would enable very short time-to-market.

Solution

FNB integrated a new Java-based mobile front-end directly with tried-and-trusted business logic and core banking services running on IIMS on an IBM zEnterprise EC12 server. IBM IMS Enterprise Suite Connect APIs for Java and C and IBM IMS Enterprise Suite SOAP Gateway manage links between the channel applications and core functionality and data on the mainframe.

Benefits

Rapid deployment enabled FNB to gain first-mover advantage in the market, gaining the number one spot for mobile banking. Ultra-low average end-to-end response times of 30 milliseconds ensure snappy performance for mobile banking users. Fast, secure and reliable mobile banking generates more business for FNB and reduces its average cost per transaction.

IBM MobileFirst with System z provides seamless connection to Systems of Record

BUILD and deploy to back-end systems to access mission critical data for enhanced customer experience

PROTECT critical data with military strength security solutions from app to mainframe

ENGAGE customers with the fastest analytics capabilities for the enterprise

TRANSFORM enterprise business with packaged mobile solutions and services



Up to **60%** improvement in mobile transaction throughput with System z

Client Successes with Digital



Laminar Medica reduced new product development time and costs by 25%, contributing to 10% increase in competitive wins



SIBRA GmbH keeps a vital project within budget and on time



Nationwide improved code quality 50%, reduced end-user downtime by 70%, and increased on-time delivery 90%



A healthcare information provider cuts deployment time down to minutes



China Merchants Bank profits from a unified collaboration platform



Sandhata increased productivity 100%, and added tens of millions in new revenue



IBM CICS development team simplifies software builds and helps support agile development, improve collaboration



Sky Bet monitors the online customer experience to increase overall revenues



INTER Versicherungsgruppe increases productivity in application development



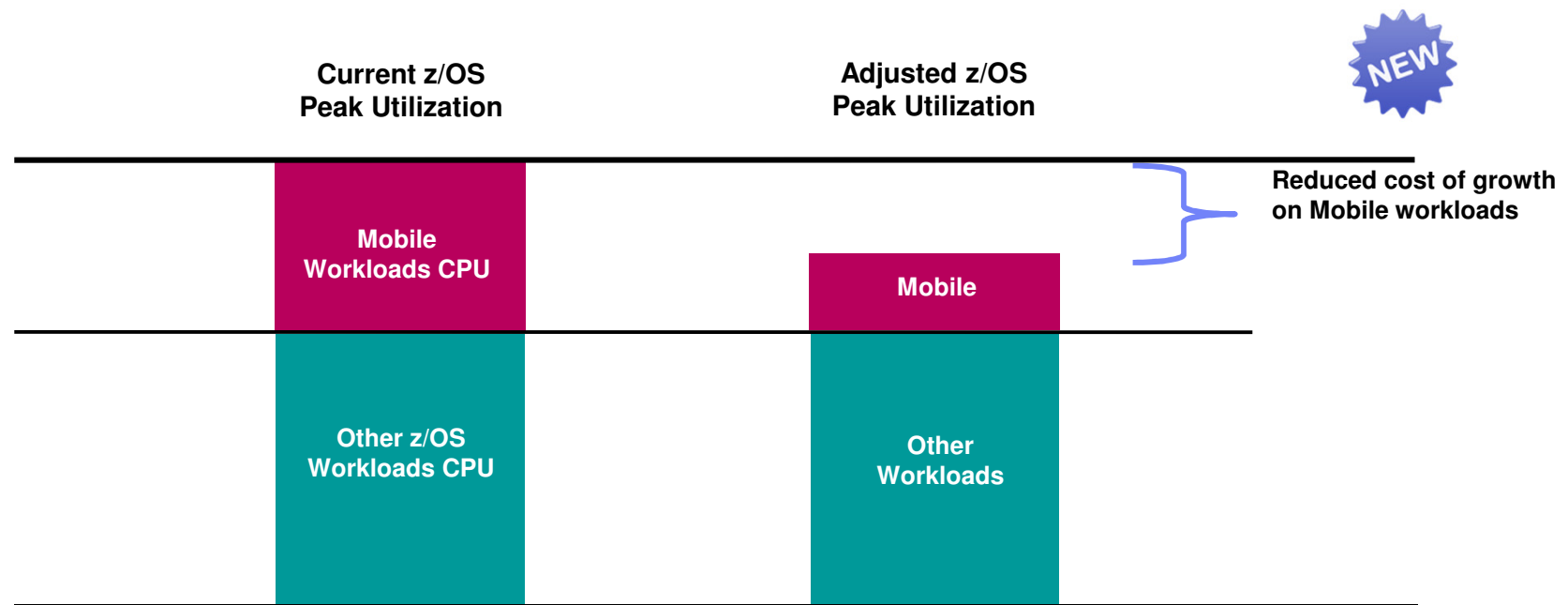
IBM Watson team is reducing delivery cycles from 9 weeks to 3 weeks, & has achieved zero maintenance window downtime



Aon Integramark establishes a dynamic SOA environment that automates data synchronization

New System z Mobile pricing enables IT investments to scale with the growth & business returns of mobile

- Reduce z/OS peak MSUs attributable to mobile workloads -- up to 60%
- No Infrastructure Changes Required... (such as separate LPARs)



- Customers must tag and track z/OS CPU seconds from mobile workloads.
- New MWRT tool replaces SCRT and will subtract mobile CPU seconds from peaks.
- [Announcement letter](#).

Thank you

