



Enabling Digital Transformation with IMS

Barry M. Baker

Director, z Systems Software: IMS & TPF



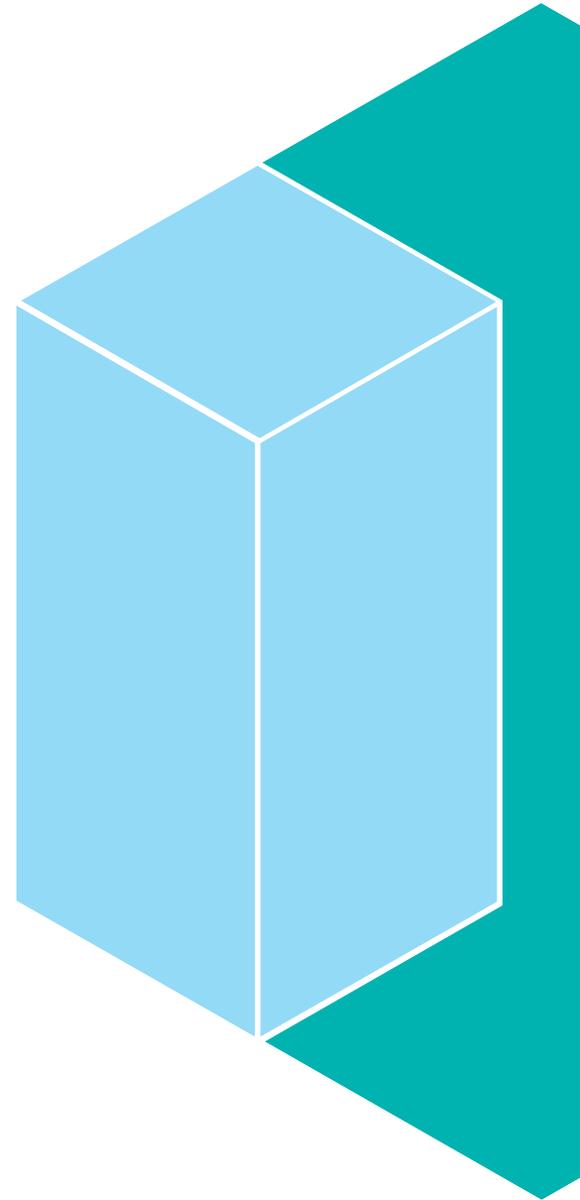
Sharpen your competitive edge

2016 IMS Technical Symposium

March 7 – 10, 2016

Wiesbaden, Germany

www.ims-symposium.com



Agenda

Digital Transformation: Drivers for Change

- Digitization for consumer empowerment
- Business model disruption



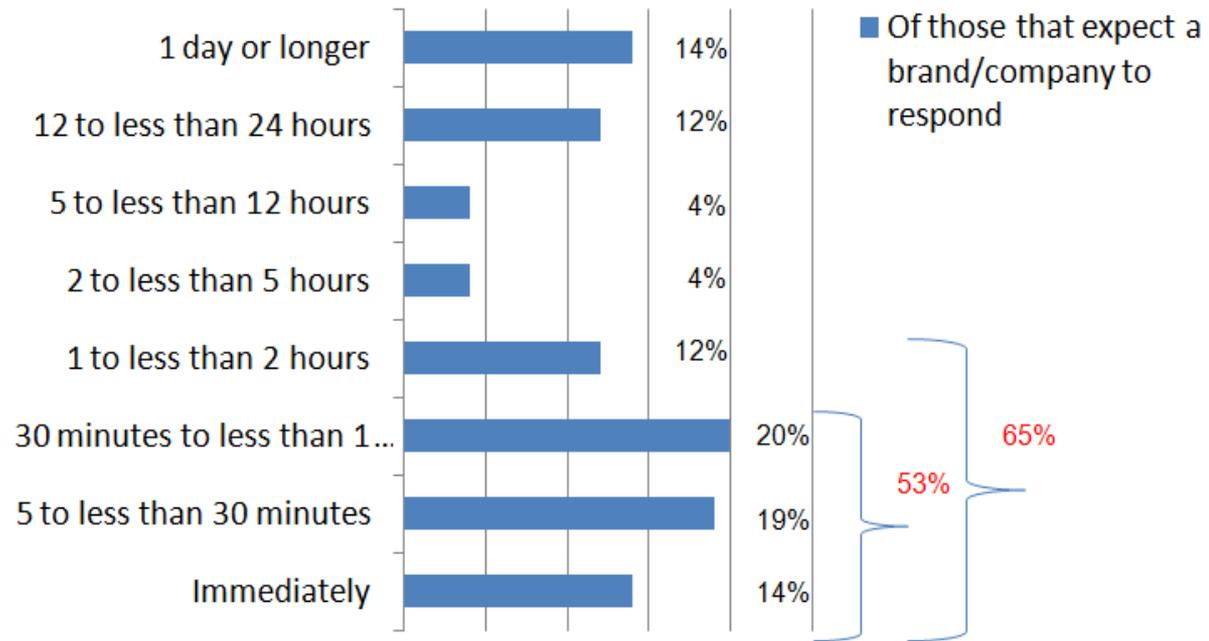
Meet the Digital Demand with IMS & z Systems

- IMS 14 and Enterprise Suite 3.2
- Exploiting the API Economy & Hybrid Cloud
- Making the decision in real-time w/ Analytics
- Deliver at the speed of business w/ cloud and devops
- Engage with IMS!



Empowered customers
give rise to a new era of business.

Of those that expect a brand/company to respond



**Empowered customers
give rise to a new era of business.**

Some beat the competition with digital.



Some have digital thrust upon them.

STORE CLOSING

BLOCKBUSTER®

**MUST
GO!**

ALL PREVIOUSLY VIEWED
DVD's
\$5.99
OR LESS!

**STORE
CLOSING**

**ENTIRE
STORE
SALE!**

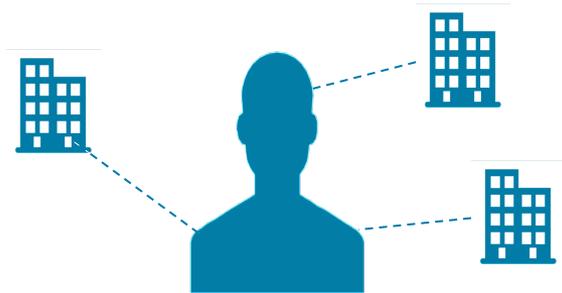
Digitization for consumer empowerment

Organization-centered economy



- Organizations drive consumption
- Channels are governed by different incentives
- Each channel offers a different user experience
- User experience may be less intuitive
- Consumer input from focus groups & market research

Individual-centered economy



- Consumers expect experiences “my way”
- Integrated channels for seamless experience
- Micro-segments are employed
- Ease of use and curation
- Big Data & analytics underpin capabilities

Sources:

1. “Digital reinvention”, IBM Institute for Business Value, December 2013
2. “Inside the mind of Generation D”, IBM Center for Applied Insights, October 2014

Business Model Disruption: Banking example



Non-bank entrants

New banks

New payment models

New lending models

New Depository

Tesco Range of insurance, credit cards, savings, current account, mortgages. Originally 50/50 joint venture with RBS, now 100% Tesco owned, with banking license

Fidor New bank built on a cloud ecosystem of financial product providers. API-centric core bank platform. Strong social dimensions and P2P lending

Apple Pay Insertion into existing payments value chain, providing added value (e.g., new customers, usability, reduced fraud) for a % fee

Alibaba - Zhao Cai Bao Platform that lets small businesses and individuals borrow from investors directly. Created a 14 billion yuan marketplace.

Starbucks Brand-specific mobile payments for use in Starbucks's own stores. Customers loaded \$1.6b in 4Q14, up 17% YTY

Source details in speaker notes

<http://www-935.ibm.com/services/us/gbs/thoughtleadership/innovatingbanking/>



Systems of record run the world

Deployed systems of record represent trillions of dollars of investment over the past three decades

...and mainframe migration is fraught with costs and risks yielding a low low success rate of re-inventing systems of record

▪ Key reasons for failure

- Change is hard
- It's more complicated than it looks
- Vendors overpromise and under

“...many mainframe shops are unfamiliar with all the things that IBM has done on this platform. They are measuring modern options against a mainframe hardware and software environment that may be over a decade old.”

The image shows two overlapping screenshots of a Gartner report. The top screenshot is a full page view with a blue header containing the Gartner logo. The title 'The Moribund State of the IBM Mainframe Migration Market' is in green, followed by 'Published: 16 April 2015' and 'Analyst(s): Dale Vecchio'. The main text begins with 'Despite a growing number of inquiries by Gartner clients regarding IBM mainframe migrations, IT leaders rightfully ask: if the growth in inquiries is an indication of growing interest, then why are the migration vendors showing...'. The bottom screenshot is a cropped view of the same report, showing the title, publication date, analyst name, and the Gartner logo. The text below the logo is partially cut off, showing 'struggled to gain mind share, vacillated in their marketing messaging and sales strategies,'.

...and the CIO/IT Leader is at the center of it all and needs to act



Margaret
Chief Information Officer

Responsibilities

- Effectively integrate business and technology.
- Create flexible and scalable systems and infrastructures that help drive change, deliver new business insights and build sustainability.

Evaluated on

- IT's contribution to driving strategic value
- Effective management of existing infrastructure to support business objectives

Challenges

- Navigate a “digital now, digital first” reality.
- Align with corporate culture to build a digital culture.
- Find ways for IT to add strategic value to the business, versus being an operational leader managing a cost center.
- Move from IT efficiency to value creation —improving IT productivity by increasing revenue per dollar of IT cost.
- Manage security threats for the enterprise.
- Simplify and streamline IT operations to help deliver on the corporate roadmap, despite shrinking budgets.

...What is Margaret to do?



Margaret
Chief Information Officer



**Remaining
competitive means
continually
optimizing and
innovating**



IBM z Systems

The innovation continues

IBM® Mainframe50:
Making the Extraordinary Possible
April 8, 2014 | New York City

Industry Milestones

- 1964: SABRE - Airline Reservation System
- 1966: Medicare - Social Security Administration
- 1969: Apollo II Mission
- 1972: SAP - Real Time Inventory Tracking
- 1976: NYSE DOT - Stock Trading
- 1979: UPC - Retail Transformation
- 1980: CSC's Hogan - First Integrated US Banking System
- 1983: 4730 Personal Banking Machine - A One-Stop ATM
- 1994: CompuNet - Data-Driven Approach to Policing (DTP)
- 2000s: Mobile Banking
- 2008: Nationwide Smart Grid - World's First National Smart Utility Grid
- 2013: Ford, Connected Cars - Real Time Traffic Info

Technology Milestones

- 1966: Time Sharing - Backdoor Cost of Computing
- 1967: IBM 9800 - All-Digital Control System
- 1969: Magnetic Stripe Technology - Social Card Revolution
- 1970: Relational Databases
- 1972: VM - Virtualization
- 1976: Business Intelligence with SAS
- 1981: PROFS - Floppy-disk Corporate e-mail
- 1996: DEEP - THUNDER - Micro-Weather Modeling System
- 1999: Open Source with Linux*
- 2009: Stream Computing - Critical Insights on the Fly
- 2010: Hybrid Computing with IBM zEnterprise*

IBM z13

- Up to **141** Configurable cores - CP, IFLS, zIIP, ICFs, SAP
- 40%** Total capacity improvement over zEC12
- Up to **10 TB** >3X more available memory
- Up to **320** Separate channels of dedicated I/O
- 2** SODs zKVM* and GDPS appliance for Linux on z Systems*

- **Mega Memory**
- **Simultaneous Multi-Threading**
- **SIMD**
- **Data Compression Acceleration**
- **Crypto Express 5S**
- **KVM for z Systems**
- **IBM zAware for Linux**
- **zBX Model 004**
- **z/OSV2.2 Preview**
- **z/OS SPE v2.1**

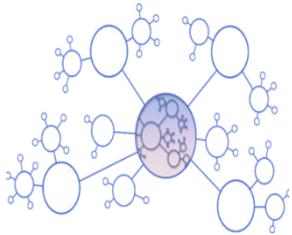
Reinventing enterprise IT for digital business

IMS strategy supports your digital transformation

Strategic Intent



- Continue to deliver the IMS Value Proposition
 - Superior performance, reliability, availability and serviceability
 - Minimize cost per transaction



- Innovate and extend the value of your IMS investment



- Expand and empower the IMS talent population

Investment

- Core Capabilities
 - Reduce path length, contention, I/O...
 - Reduce planned outages
 - More dynamic capabilities

- Data & Analytics
 - Accelerate time to insight
- Cloud/Mobile Access
 - Rapidly enable/control cloud & mobile access to IMS resources

- Open interfaces & Java
- Modern tooling for administrators, developers and DBAs

IMS 14 and Enterprise Suite 3.2

Available Now!

IMS 14 & ES 3.2 GA – 10/30/2015

Optimize and extend the value of your IMS investment and enable your digital transformation

- Simplified, standards-based management and integration for cloud, analytics, mobile, and big data
- Improved IMS TCO and Qualities of Service

12 QPP Participants

5 clients in production before GA

97% Overall QPP Satisfaction Rating

48 Requirements addressed

300M tx/day @ GA

IMS Strategic Intent

Continue to deliver the IMS Value Proposition

IMS 14 & IMS ES 3.2

- **Scale:** improved workload balance, increased data set size and # simultaneously open
- **Availability:** Reduced need for Gen, Open DB usage stats, flood control, dynamic DB changes
- **Performance & TCO:** Increased zIIP offload, compression offload...

Innovate and extend the value of your IMS investment

Data/Analytics

- Predictive in-transaction scoring with SPSS & Zementis
- Integration w/ Apache Spark

Cloud/Mobile

- Increased security granularity and call-out control

Expand and empower the IMS talent population

- Standard data definition support for defining and changing db schemas (DDL)
- Continuous application release and deployment w/ Urban Code
- Internal move to modern and open tools

IMS 14 is ready for your mission critical workload!

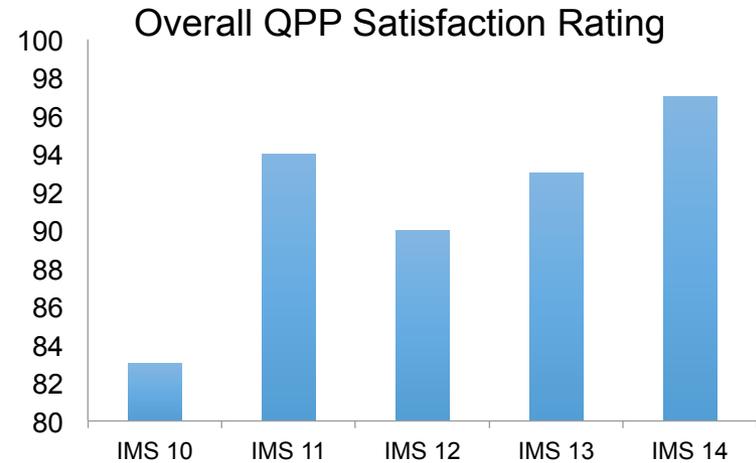
IBM IMS Solutions: Sharpen Your Competitive Edge



Betty Patterson

IMS Chief Architect, IBM Corporation

<http://ibm.biz/ims14solutions>



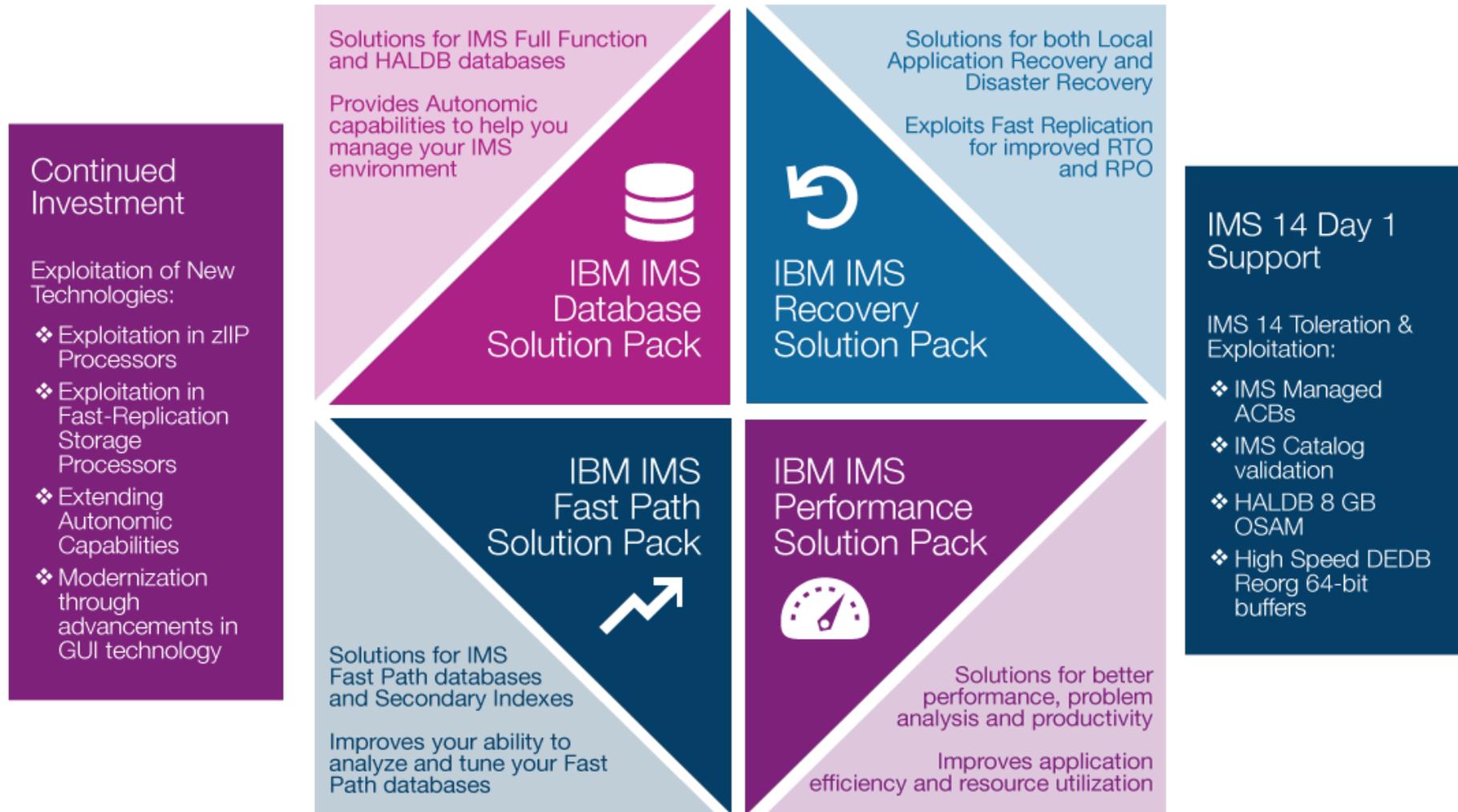
“IMS V14 migration was a quiet migration with no business impact even though new, much needed enhancements were part of IMS V14.”

“A modernization leap with DDL support in IMS V14”

“We are very happy to be part of the IMS QPP. We’ve gotten great benefit out of it for the past several IMS versions.”

IBM IMS Tools: Enhancing IT Landscapes

Simplifying and Automating the Management of Your IMS Environment



Leaders are optimizing & innovating with IMS

Systems Management



Performance

TCO

Database
Management

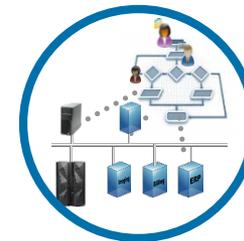
Scalability

Tx Management

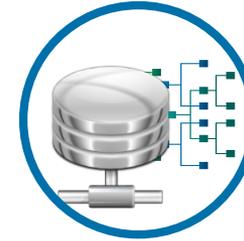


IMS Tools

- Complete Database Management
- Optimize IMS Performance
- Accelerate IMS upgrades



SOA and Open
Integration



Open
Database



Mobile
Access



Business
Analytics

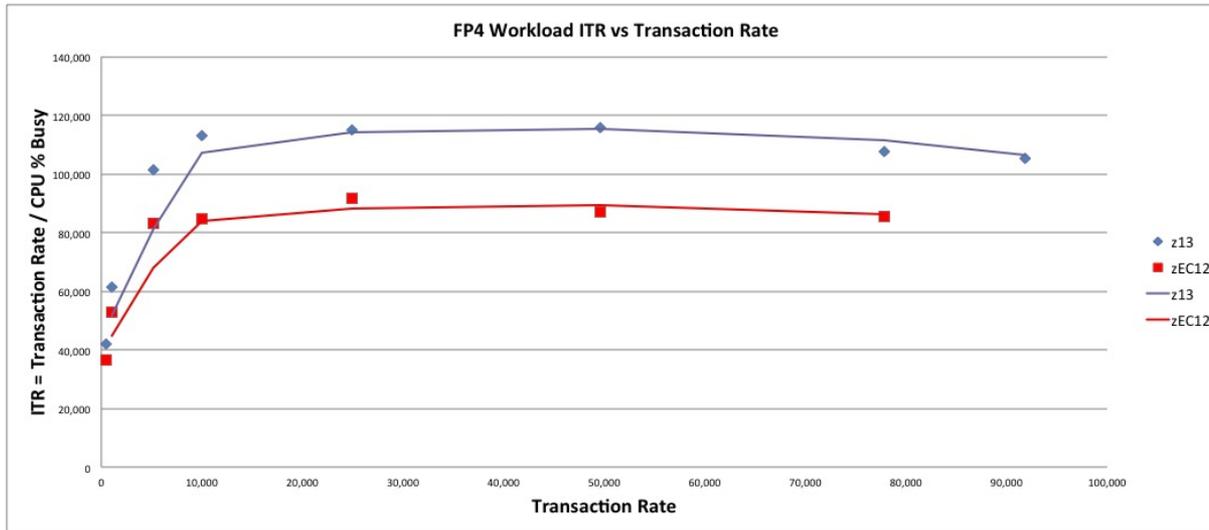


Application Modernization

Optimize

Innovate

IMS 14 Fast Path Performance on z13



15-34% throughput improvement
over IMS 14 on equivalent EC12 using an IBM internal high volume fast path workload

• A 15-34% improvement in ITR was observed when comparing an IBM internal high volume IMS Fast Path workload running on a zEC12 vs z13 both configured with 9 general purpose engines

IBM continues to deliver improvements in Java and Compilers

Java 8 and z13

Optimized CICS, IMS, and other applications
transactions



1989

Up to 2x
improvement in
application

Up to 2x
improvement in the
per core for security enabled
applications

Up to **56%**
better throughput
on z13 and Java8
than Intel Haswell
for IBM
middleware
solutions

Compilers: **COBOL, PL/I,**

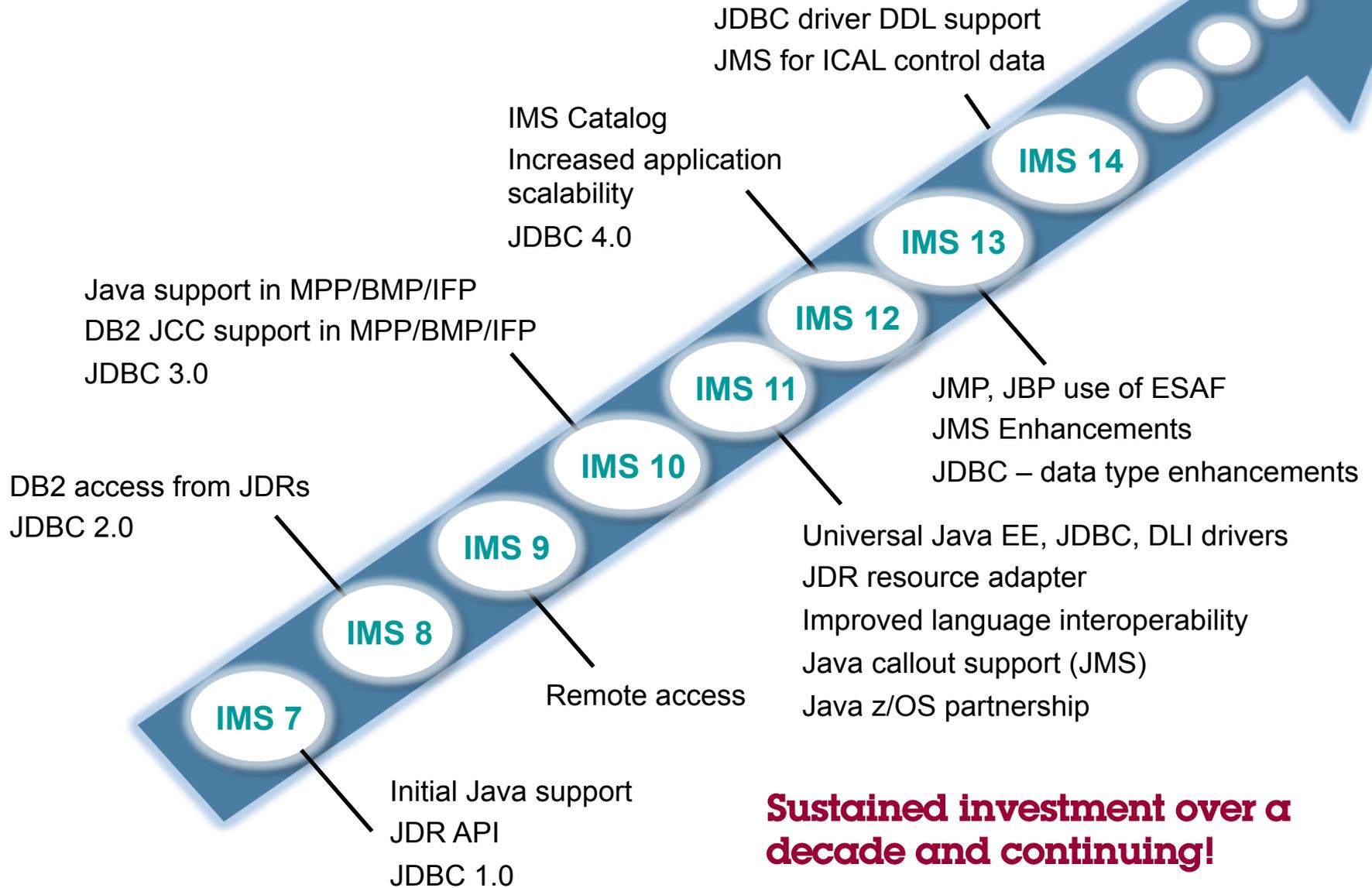
increases performance

Up to **17%**
performance improvement

1.5x performance gain for
COBOL apps using packed
decimal

30x performance gain for
COBOL statements with SIMD
instructions

Java and IMS – IMS 7 to IMS 14 highlights



Sustained investment over a decade and continuing!

Are you taking advantage of new software pricing?

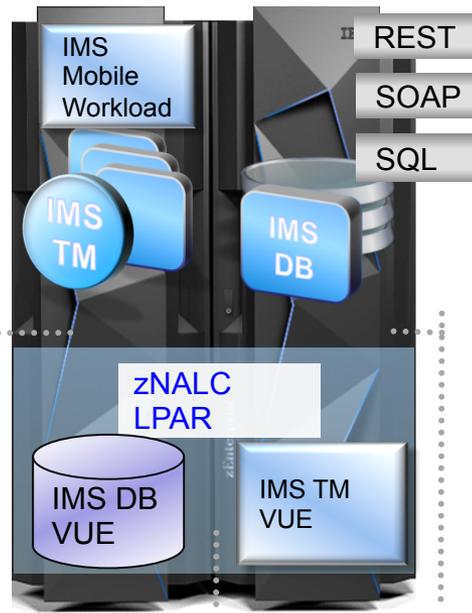
Mobile Workload Pricing (MWP)

can reduce the cost of growth for mobile transactions processed by programs such as CICS®, IMS™, and DB2® for z/OS.

Up to **60%** reduction in incremental growth from mobile transactions

z Systems Collocated Application Pricing (zCAP)

For new applications, new workloads priced as if in a dedicated environment while technically integrated in LPARs with other workloads



zIIP Enablement

can help free-up general computing capacity and lower overall total cost of computing for select data and transaction processing workloads

Up to **22%** GP savings for DRDA (SQL)
Up to **8%** GP savings for SOAP (SOA)

Country Multiplex Pricing

Unprecedented flexibility to move and run workloads anywhere and to migrate to new hardware - eliminating duplicate sub-cap peaks and sysplex aggregated pricing rules

IMS DB and TM Value Unit Editions (VUE)

Introduces a new one-time-charge pricing metric specifically for new workloads like data sharing to enable new analytics workloads, new IMS Open Database for Java or SQL workloads, new mobile applications, new Java applications, etc.

The background of the slide is a digital tunnel. It features a series of glowing blue lines that curve inward, creating a sense of depth and perspective. The lines are composed of binary code (0s and 1s) and other digital symbols, giving the impression of a data center or a network pathway. The overall color palette is dark blue and black, with bright cyan highlights.

The democratization of data

Empower your businesses with controlled and secured access to your mission critical systems of record data

Some organizations are using analytics to seize opportunities and solve problems

Complying with mandates,
understanding clients



*Penalty risk reduced to <1%
Savings: ~ €300,000*

Exploring data for
competitive advantage



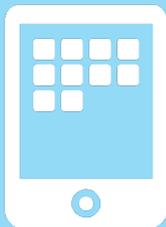
*9.5M+ consumers identified for
business opportunity signals*

Understanding risk,
accelerating decisions



*Queries of 2.5 billion transactions
50%+ faster, reports 70% faster*

Understanding
customer behavior



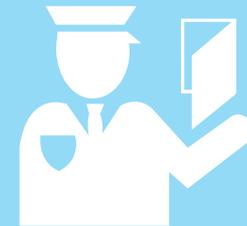
100% increase in subscribers

Identifying
traffic risk factors



*80% reduction in
serious accidents*

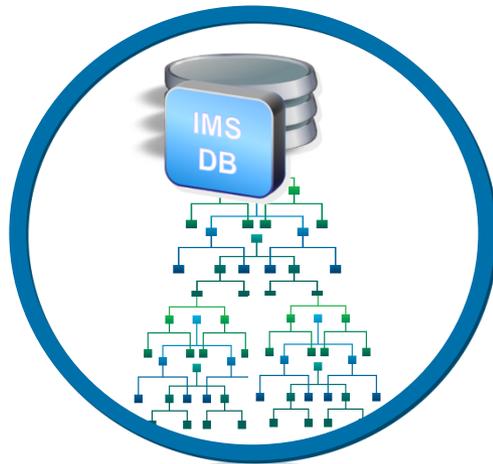
Real-Time Fraud
Analysis



*Millions of Euros of illegally
shipped goods seized*

We've been on a journey to transform IMS DB

Access

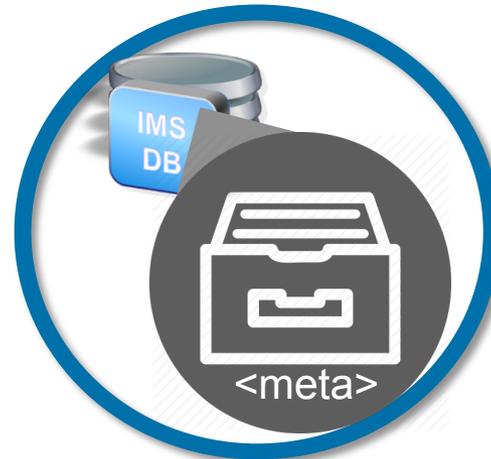


2009

A developer can access IMS DB from any platform using industry standard APIs and syntax

Open Database

Integrate

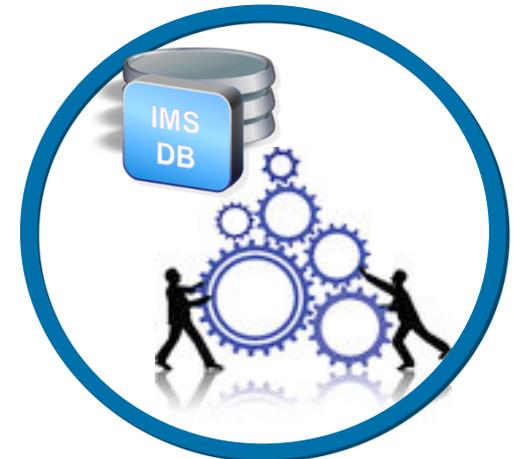


2011

Developers, system programmers, and DBAs can integrate and connect IMS DB with standard tools for modeling, discovery and data insight

Catalog

Act



2015

A DBA can evolve the IMS DB structure and schema using industry standard syntax without taking an outage

Dynamic Change & DDL

Enabling you to take advantage of leading analytic offerings with IMS Data



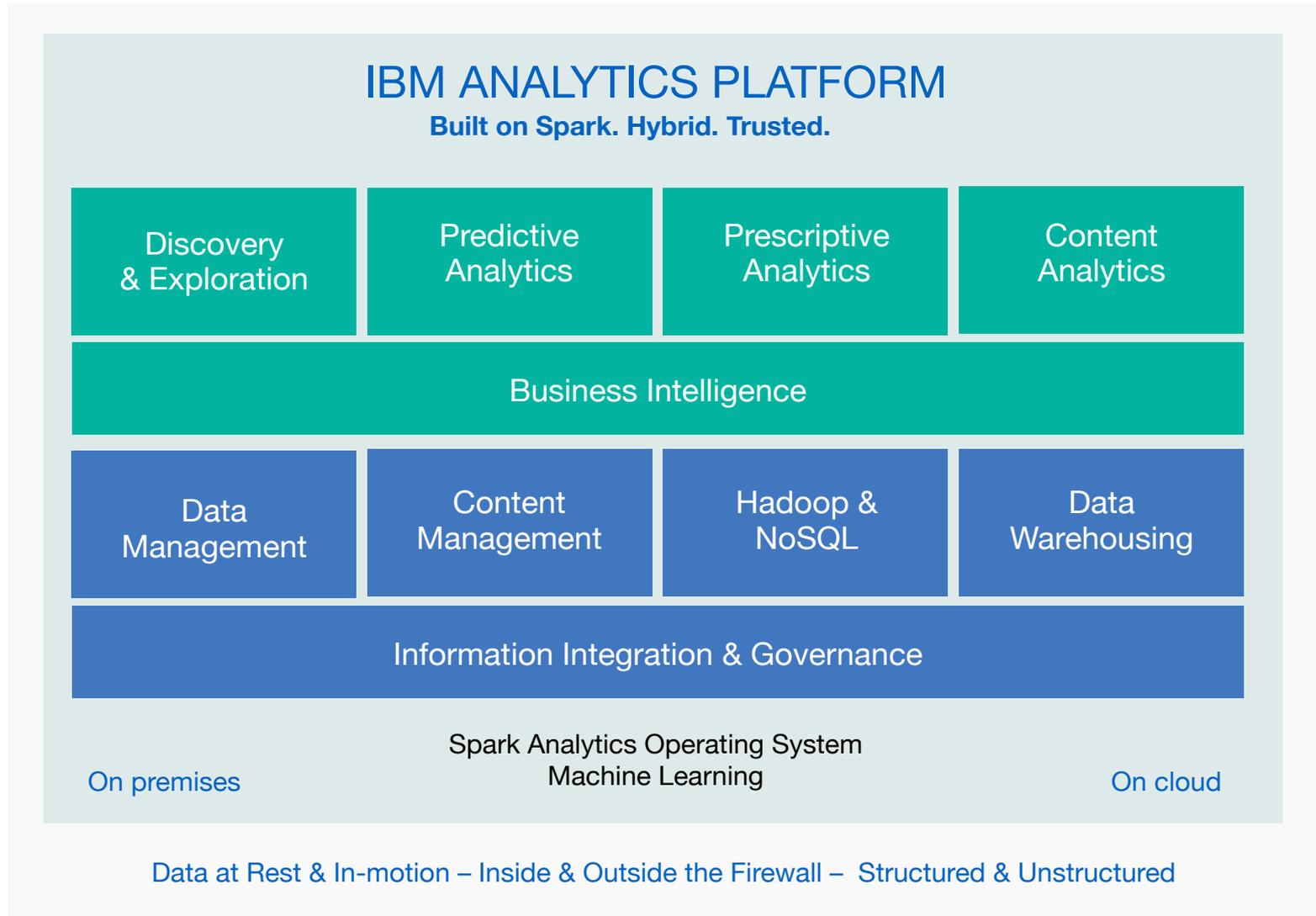
Use Case

- Real-time BI and dash boarding of IMS Data
- Analyze IMS data with unstructured data
- Deep and fast analysis of IMS data
- Visualize all data assets including IMS data

Solution

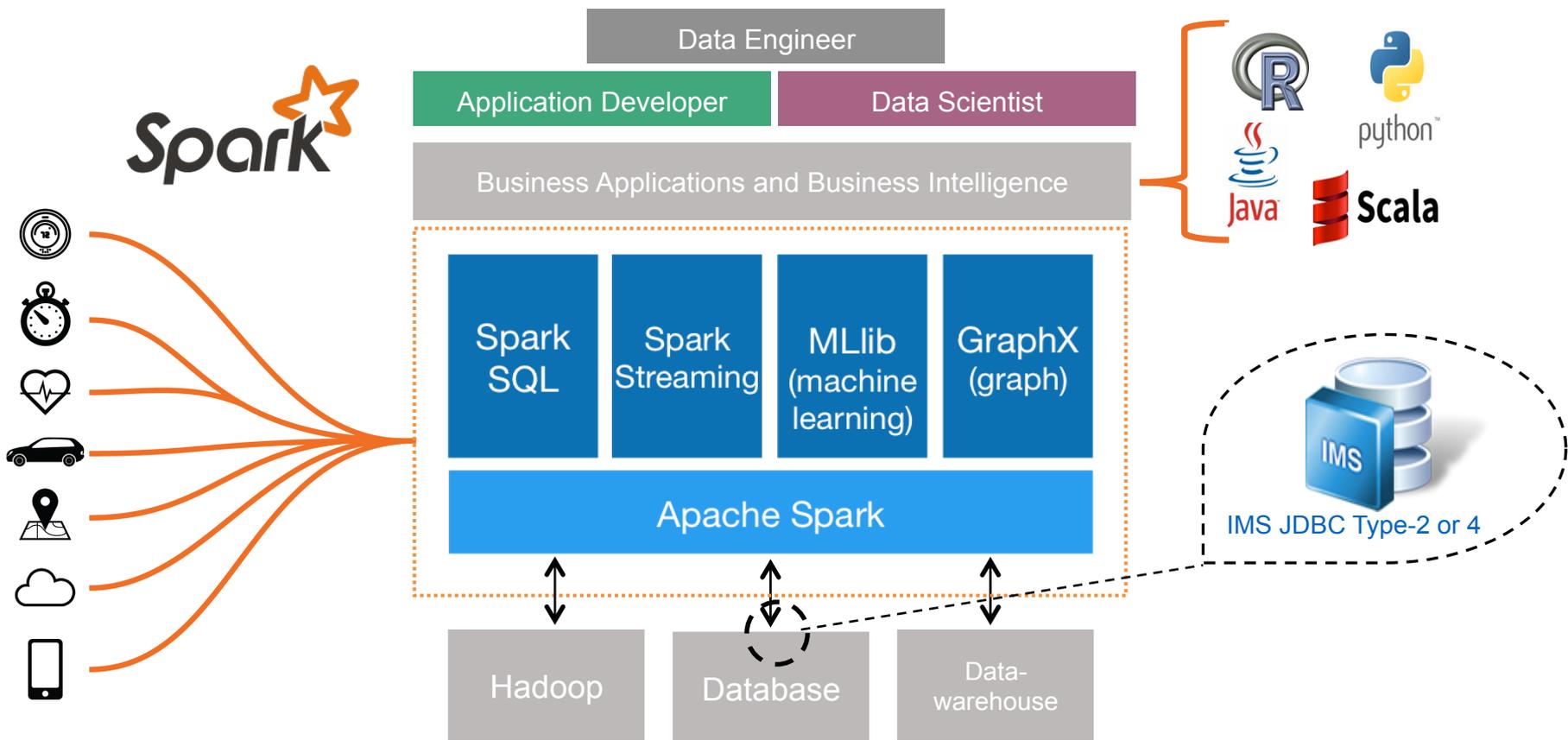
- IBM DB2 Query Management Facility
COGNOS[®]
- InfoSphere Big Insights 
-  IDAA 
- Watson Explorer 

IBM Analytics Platform

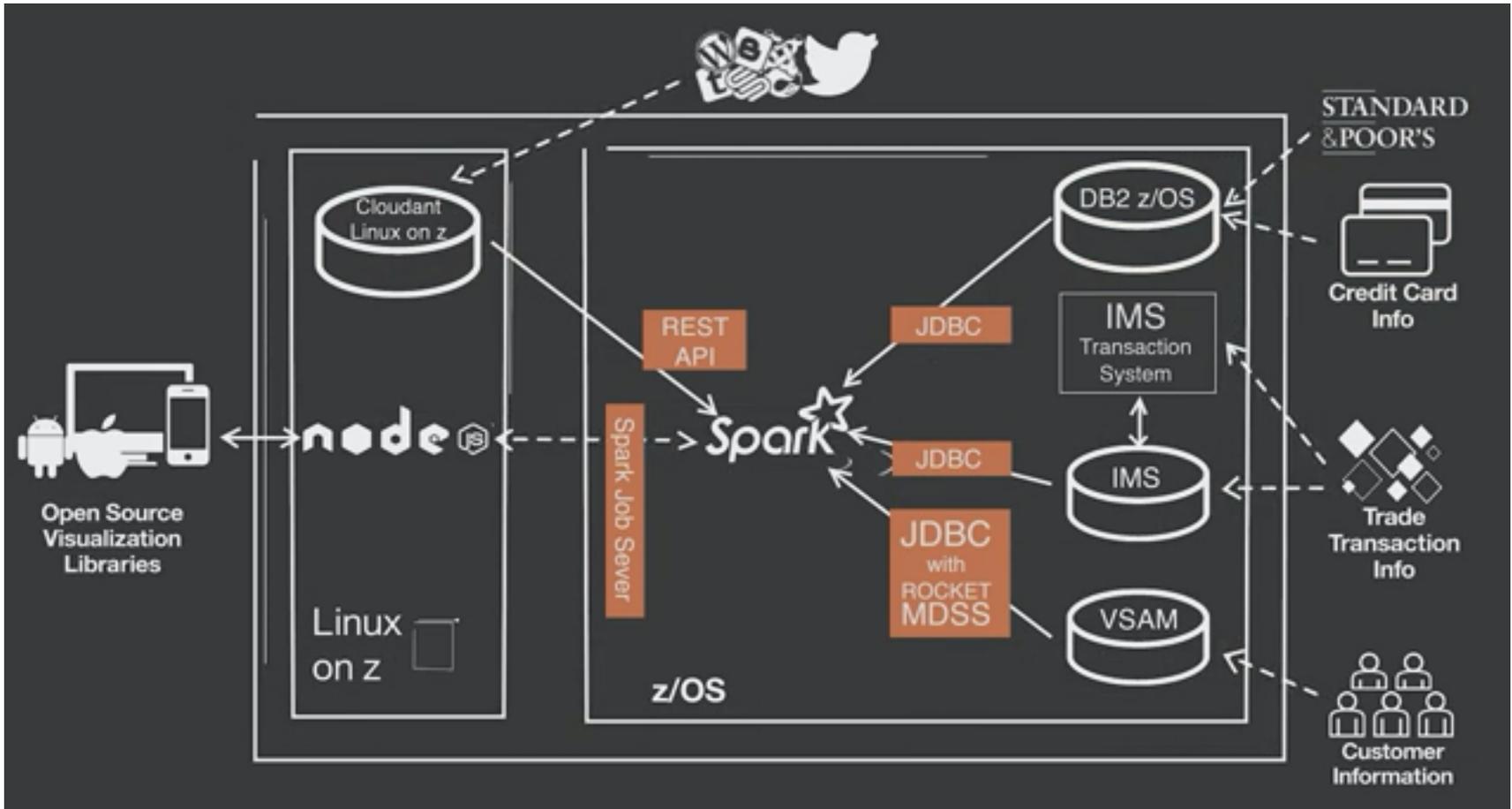


Integrate Apache Spark with IMS DB

Available Now!



...and now run Spark on z/OS



<https://www.youtube.com/watch?v=sDmWcuO5Rk8>

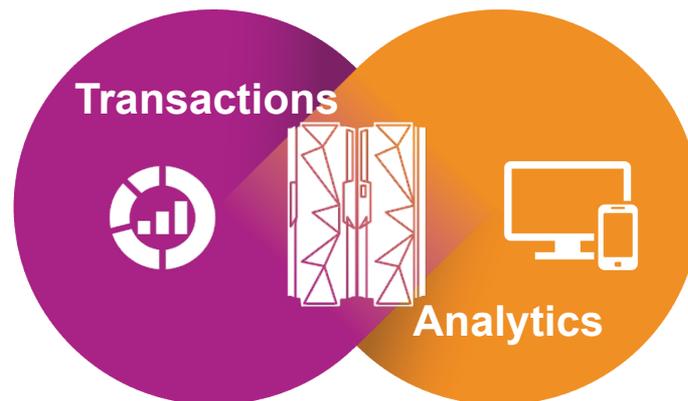
Introducing Predictive Analytics for IMS

Available Now!



Zementis for IBM z Systems integrates enterprise-grade predictive analytics into the IBM z Systems data lifecycle

- Increase business agility
- Improve data governance and security
- Reduce infrastructure cost and complexity



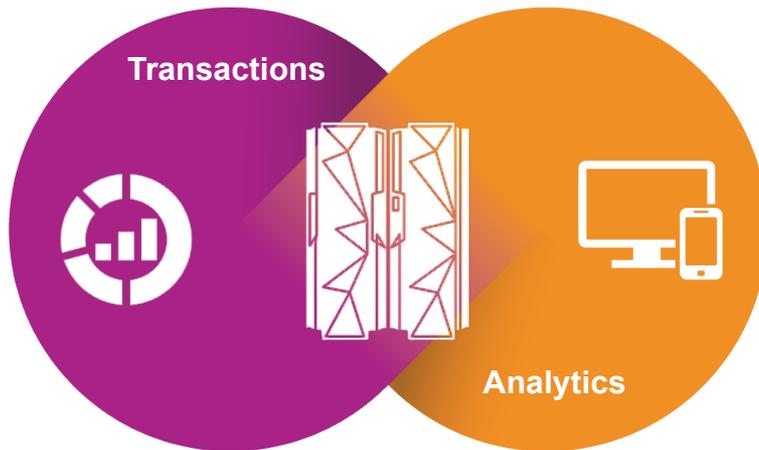
Create predictive model



Deploy predictive model



...and we will continue to integrate analytics with core transactions



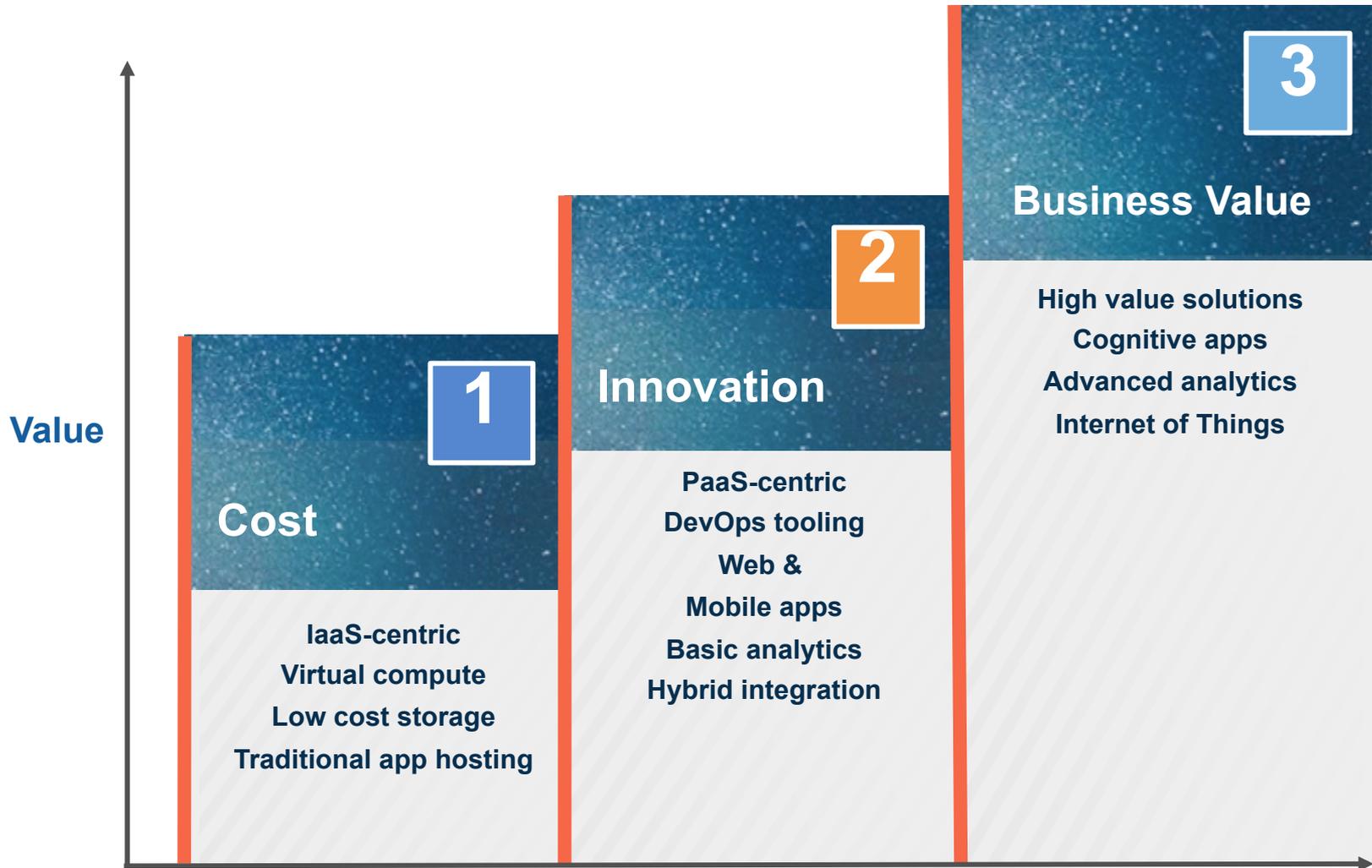
- Right-time insight at point of impact
- Increased business agility
- Improved data governance and security
- Reduced infrastructure cost and complexity



Digital Transformation Requires Speed

Disruptors are reinventing business processes and leading their industries with digital transformations

The role of cloud is maturing into the environment for innovation and business value



Your journey to cloud with IMS starts with z/OS Management Facility & IMS Tools

Available
Now!

z/OS Management Facility

■ Monitor Resources

- Retrieve historical performance data; export data to a spreadsheet for further analysis

■ Manage capacity and workloads

- Support the provisioning of capacity based on overall CPC-wide utilization
- Create, change, and delete software instances with REST APIs for z/OSMF Software Management plug-in

■ z/OSMF workflows

- Migration workflows and health checks
- Customizable workflows – including the automatic execution of workflow steps
- REST APIs to create, delete, initiate, monitor cancel or link workflows.

IBM IMS Cloning Tool for z/OS

- Automates the cloning process for IMS systems and databases, helping to reduce the time required to copy IMS databases or create a complete IMS system

Innovating in IMS: A case study using z/OSMF to simplify system provisioning

Dario D'Angelo, Poonam Chitale, and Chad DeLuca, IBM IMS Development

IBM z/OS Management Facility

- Welcome
- Notifications (4)
- Workflows
- Configuration
- Links
- Performance
- Problem Determination
- Software
- z/OS Classic Interfaces
 - ISPF
- z/OSMF Administration
- z/OSMF Settings
- Refresh

Workflows

Simplifies tasks through guided step-based workflows, and provides administrative functions for assigning workflow responsibilities and tracking progress.

Actions Match: All filters Search

Workflow Name Filter	Description Filter	Version Filter	Owner Filter Contains "chad"	System Filter	Status	Percent Complete	Vendor Filter
<input type="checkbox"/> IMS TM-DB System Manual Provisioning - V14-STLABEO-CHAD-2	IMS TM-DB System Manual Provisioning	13.0	chad	PLXE0E1 STLABEO	✓ Complete	100%	IBM
<input type="checkbox"/> IMS TM-DB System Manual Deprovisioning - V14-STLABEO-CHAD-2	IMS TM-DB System Manual Deprovisioning	13.0	chad	PLXE0E1 STLABEO	✓ Complete	100%	IBM
<input type="checkbox"/> Betty's test workflow to provision an IMS TM-DB System - Workflow_1	Procedure to provision an IMS TM-DB System	0.1	chad	PLXE0E1 STLABEO	🟢 In Progress	12%	IBM
<input type="checkbox"/> HDAM DB Provisioning - Workflow_3	HDAM DB Provisioning	1.0	chad	PLXE0E1 STLABEO	🟢 In Progress	78%	IBM
<input type="checkbox"/> Procedure to provision an IMS TM-DB System - Workflow_2	Procedure to provision an IMS TM-DB System	0.1	chad	PLXE0E1 STLABEO	✓ Complete	100%	IBM
<input type="checkbox"/> HDAM DB Provisioning - Workflow_4	HDAM DB Provisioning	1.0	chad	PLXE0E1 STLABEO	🟢 In Progress	78%	IBM

Total: 130, Filtered: 6, Selected: 0

Refresh Last refresh: Oct 19, 2015, 12:53:24 PM local time (Oct 19, 2015, 7:53:24 PM GMT)

<http://www-148.ibm.com/bin/newsletter/tool/landingPage.cgi?view=1&lpId=7195>

z/OS Cloud Beta

IBM United States Software Announcement
215-453, dated September 29, 2015



Statement of Direction: IBM to deliver IBM z/OS cloud enhancements

Table of contents

1 Overview

Overview

IBM[®] intends to deliver enhancements to the z/OS platform that clients can use to be more efficient in generating service provided over the Internet. With such cloud

- Rapidly provision environments for workload deployment and release the resources to a shared pool when complete.
- Enable direct access of z/OS computing resources by end users through a self-service portal.
- Establish metered service methodologies to enable pay for use.
- Create service catalogs with customizable services that enable multi-tenancy and rapid elasticity.
- Invoke these new functions through a web browser-based user interface or through programmable REST interfaces.

Enabling the z/OS platform with these cloud capabilities will span innovations not only in certain infrastructure elements and components of the z/OS operating system, but also in selected levels of various z/OS software subsystems such as IBM CICS[®] Transaction Server for z/OS, IBM IMS[™] for z/OS, IBM DB2[®] for z/OS, IBM MQ for z/OS, and IBM WebSphere[®] Application Server for z/OS.

http://www-01.ibm.com/common/ssi/rep_ca/3/897/ENUS215-453/ENUS215-453.PDF

https://www-01.ibm.com/marketing/iwm/dre/signup?source=stg-web&S_PKG=ov44345

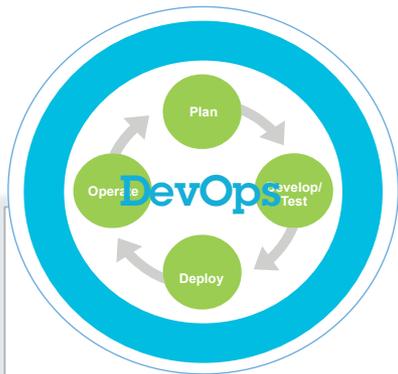
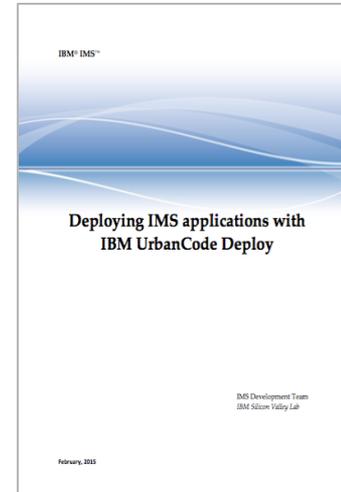
The graphic features the IBM logo at the top left. Below it, the text 'IBM z/OS cloud beta' is displayed in white on a dark blue background. A white box contains the following text: 'New z/OS capabilities enabling dynamic, on-demand provisioning and management of z/OS Middleware. Take advantage of new Middleware provisioning capabilities.' Below this, a blue arrow icon points to the text: 'No thank you. Please take me to more information regarding hybrid cloud and IBM z.' At the bottom left, a blue starburst contains the word 'NEW' in white. The background is a dark blue geometric pattern of triangles.

Automated Application Deployment with IBM UrbanCode Deploy and IMS

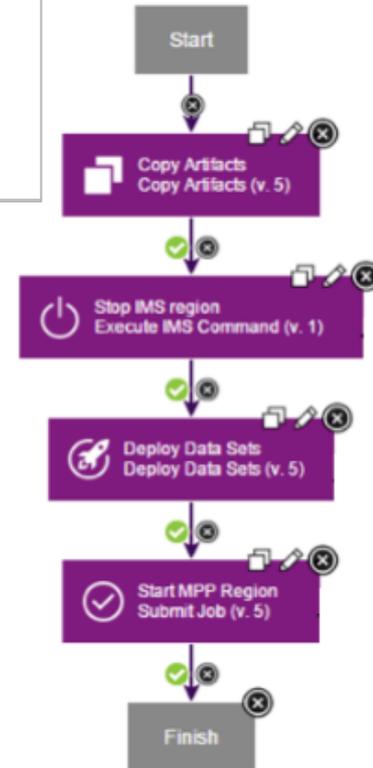
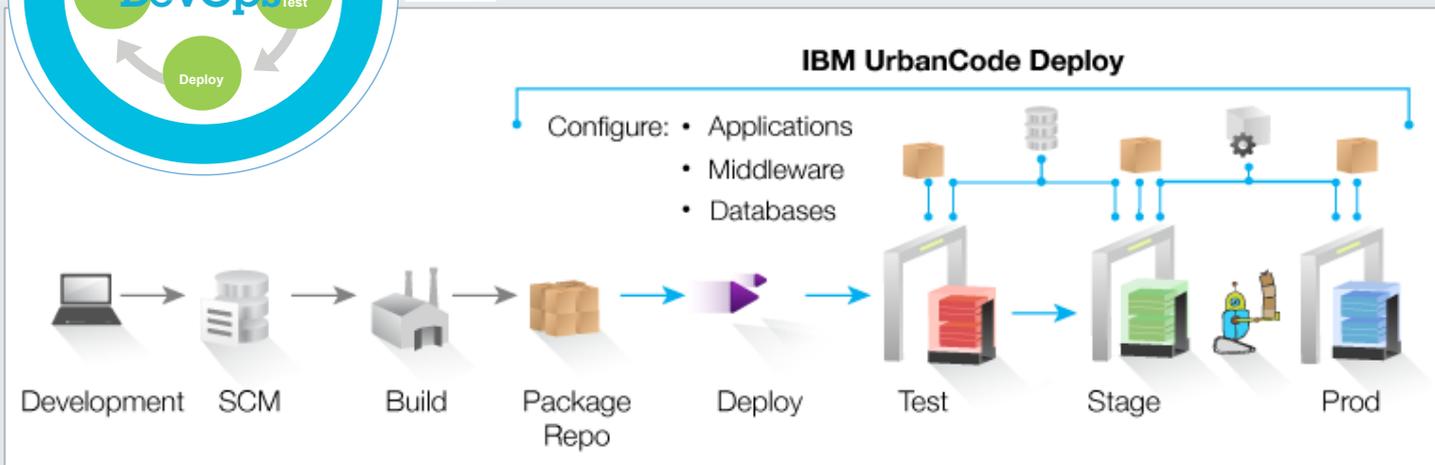
Available Now!

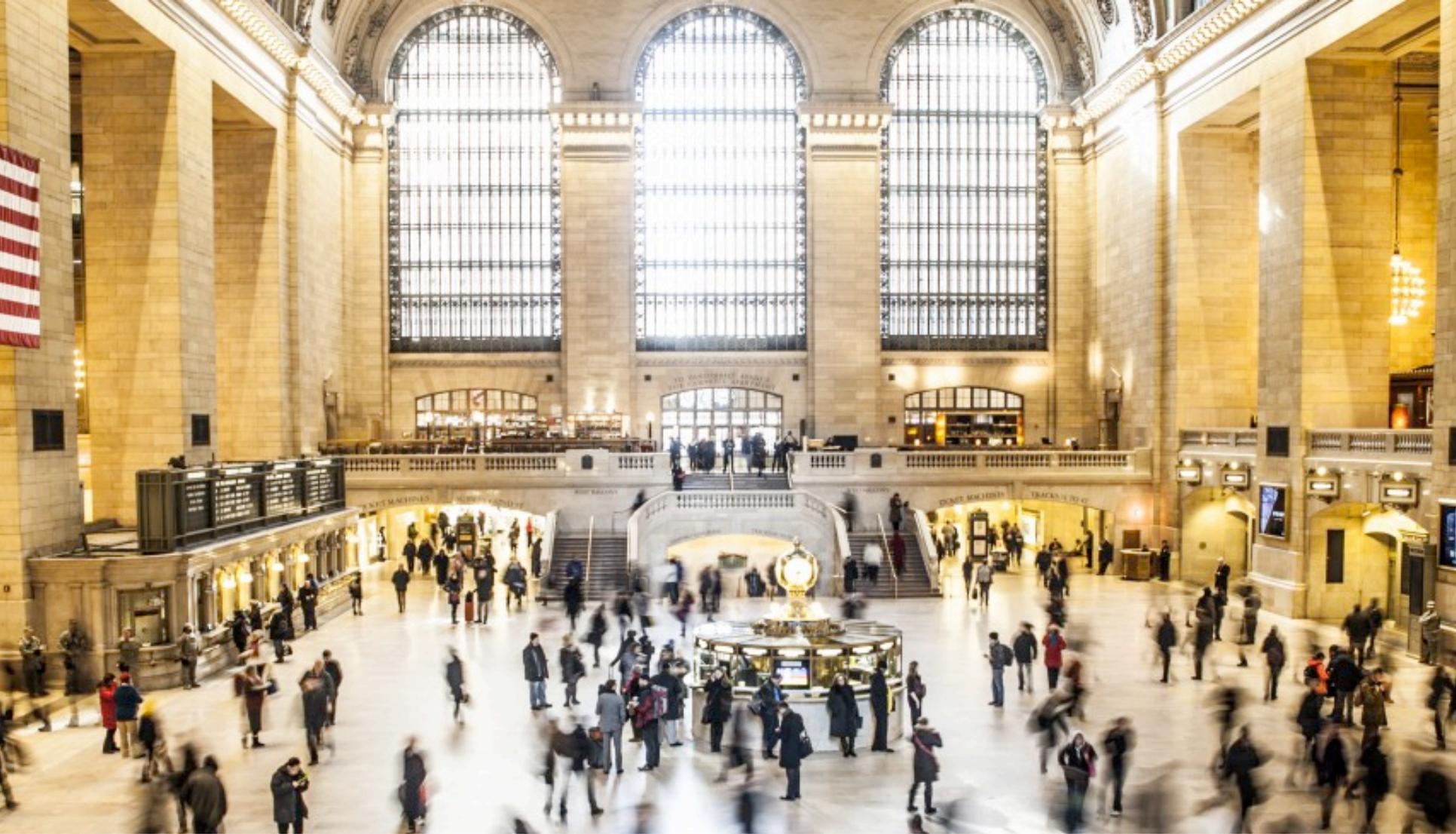
UrbanCode Deploy provides

- Automated, consistent deployments and rollbacks of applications
- Orchestration of changes across servers, tiers and components
- Configuration and security differences across environments
- Clear visibility: what is deployed where and who changed what
- Integrated with middleware, provisioning and service virtualization



Continuous Release and Deployment





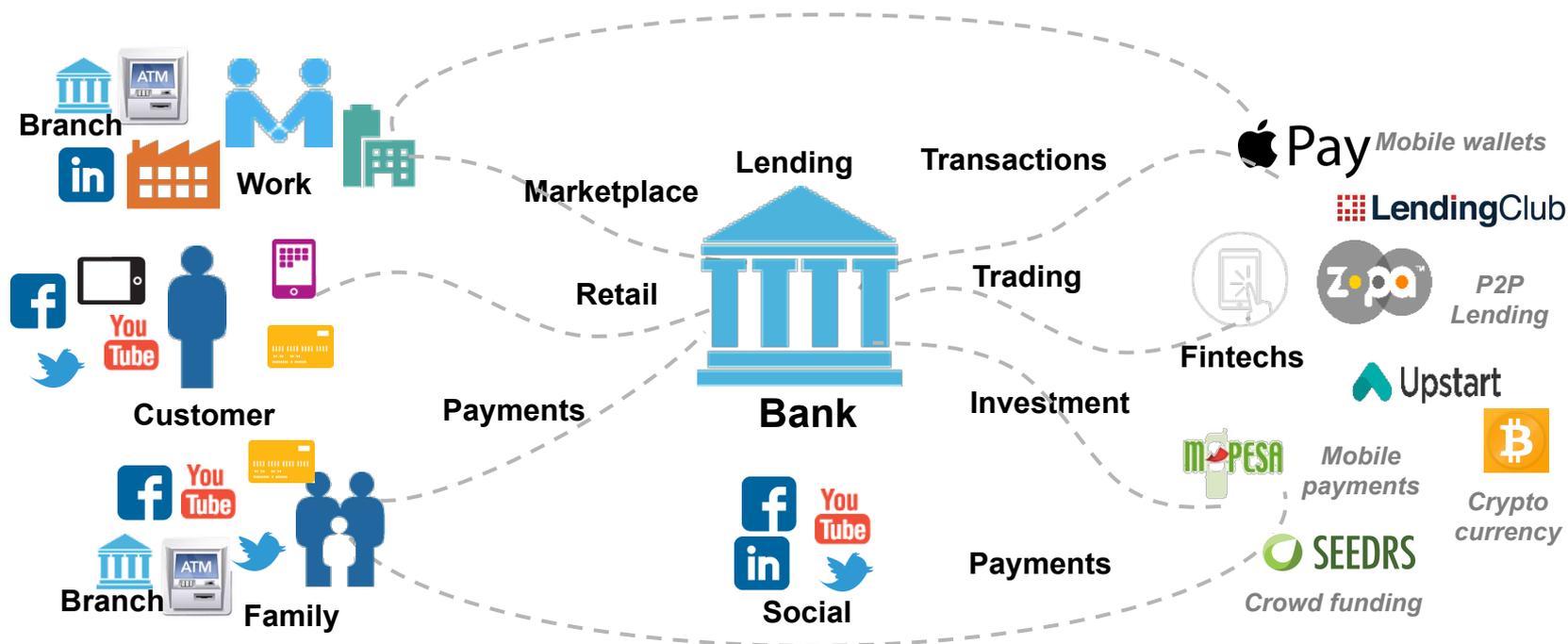
Expectations have changed

Gone are the days when companies had plenty of time to adapt to new technologies and new ways of interacting with customers and partners

By enabling a collaborative environment with customers and partners, banks create new ecosystems to produce rapid innovation and new capabilities

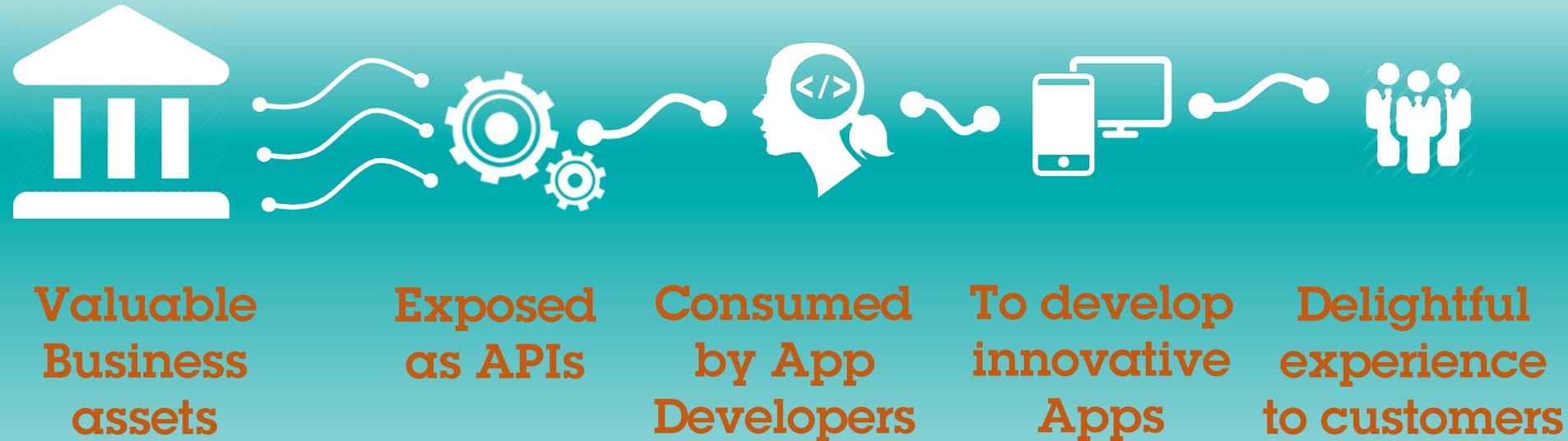
Customer ecosystem

Partner ecosystem



Family

APIs enable the future of collaboration and engagement... and business



APIs provide the path forward regardless of where you are starting

48%

of Gen Digital enterprises offer **their own APIs** to the marketplace

According to Gartner, by 2016, 75% of the top 50 global banks will have launched an API platform and 25% will have launched a customer-facing app store.

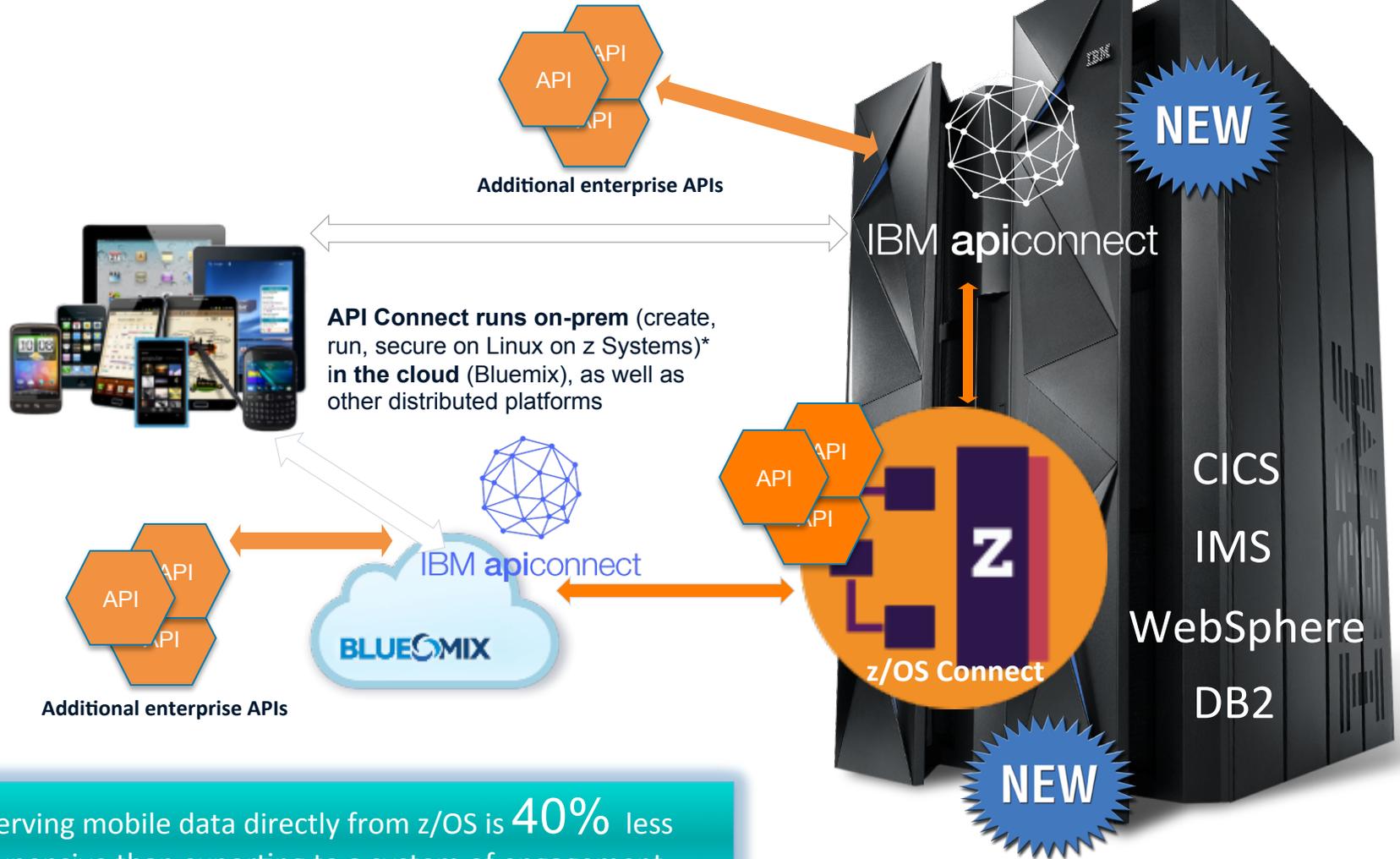
14,000+

APIs published today, public APIs doubled in the past 18 months³

By 2016, **50%** of B2B collaboration will take place through Web APIs

3) See ProgrammableWeb, http://www.programmableweb.com/category/all/apis?order=field_popularity.

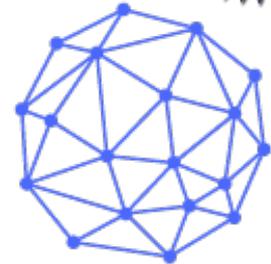
z/OS Connect provides optimized infrastructure to meet the demands of the API Economy



Serving mobile data directly from z/OS is **40%** less expensive than exporting to a system of engagement

*manage does not run on Linux on z

API Connect and z/OS Connect Enterprise Edition



IBM **apiconnect**

- Create APIs and microservices that consume z Systems APIs
- Manage and secure z System APIs created by z/OS Connect
- *Intend to support: connect to and discover z/OS Connect APIs and generate LoopBack models (1Q 2016)*

- Comprehensive tooling that enables API developers to create RESTful APIs from z/OS-based assets
- Delivers APIs as a discoverable resource using the OpenAPI specification (formerly swagger)
 - *Intend to support: push APIs directly to API Connect catalog (2Q 2016)*



IBM is investing heavily to enable this new value chain including z Systems



Valuable Business assets

Exposed as APIs

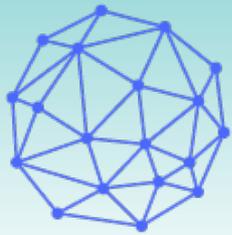
Consumed by App Developers

To develop innovative Apps

Delightful experience to customers



z/OS Connect



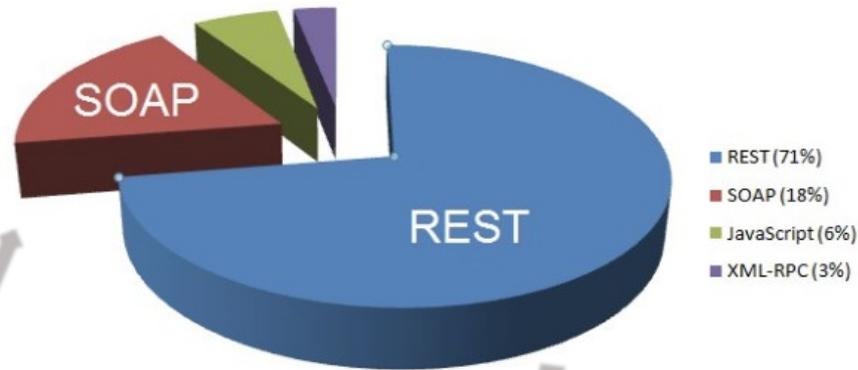
IBM apiconnect



Growing our list of IMS partners...now for SOAP!

IBM Statement of Direction – 2/16/2016

- IBM intends to stop developing major enhancements to IBM IMS Enterprise Suite SOAP Gateway, a component of IBM IMS Enterprise Suite, program number 5655-TDA.
- Customers interested in enhanced SOAP capabilities may want to consider other options such as Ivory Service Architect, offered by IBM Business Partner GT Software.



z/OS Connect





**...but you need
more than just IMS**



IMS Engagement

Discover



Learn



Try



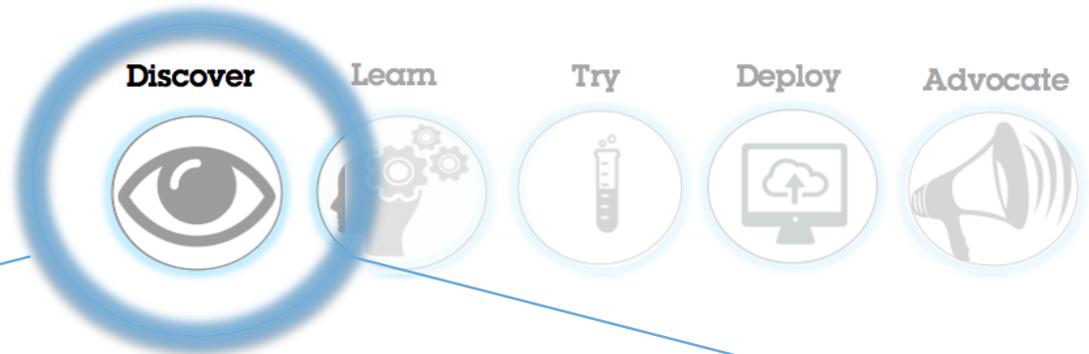
Deploy



Advocate



Discover

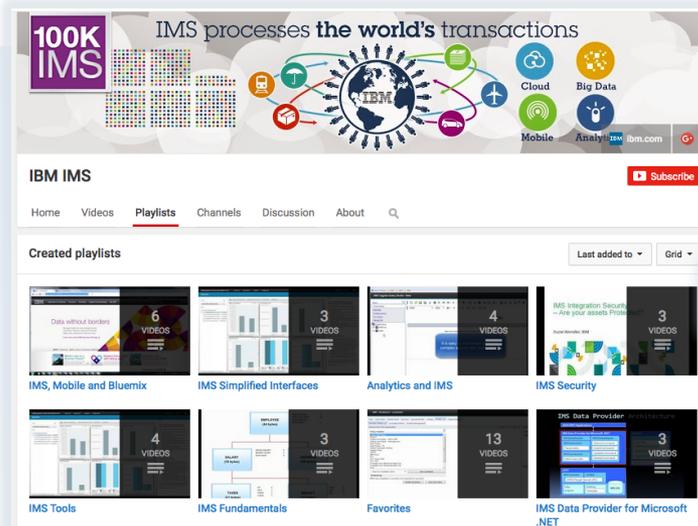


External

- Conferences
- Redbooks/Whitepapers
- Web/Social

IMS Programs

- Technical Advocate Program
- Customer Advisory Council
- Regional Users group
- IMS Quality Partnership Program



7 Playlists
over 25 videos
over 10,000 views

Now available on
www.ibm.com/ims/

160 Customer Lab Advocates





z Systems welcomes the next generation of mainframers:



The Mission:

To encourage the new generation of technical experts into the exciting world of mainframes

The Workshop

A one day session exploring some the exciting opportunities that come with working on z Systems

The Community

We have a wide network of virtual Gen z connections reinforced by meetups at key conferences

Join the community on Facebook:

[ibm.biz/ibmgencz](https://www.facebook.com/ibmbiz/genz)



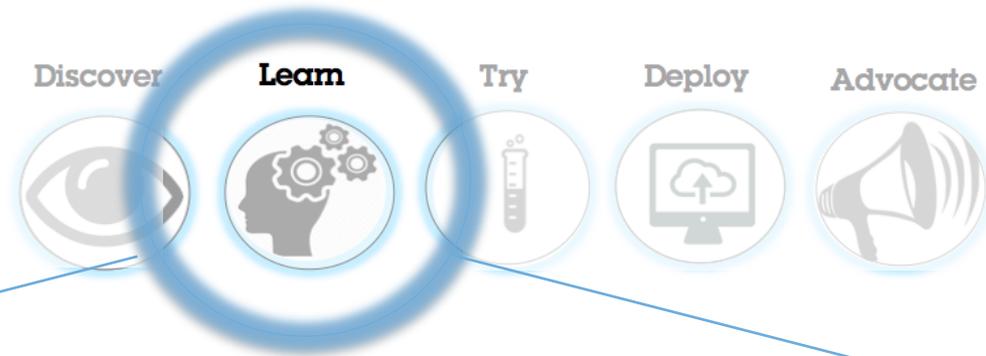
Or find out more:
genz@uk.ibm.com

Ask a question on Reddit:

[/r/mainframe](https://www.reddit.com/r/mainframe)



Learn



External

- YouTube/Slideshare
- DeveloperWorks
- Education

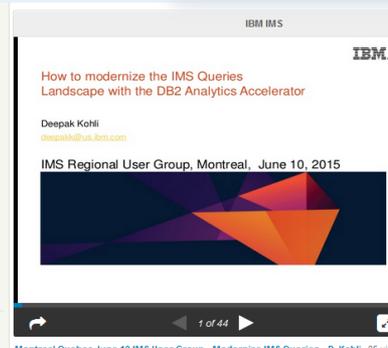
IMS Programs

- IMS Customer Internships
- Technical Advocate Program
- Regional Users group
- Business Value Assessments
- IMS Quality Partnership Program



453 Slide Shares
119 Followers

3 WW Internships
53 interns
31 companies

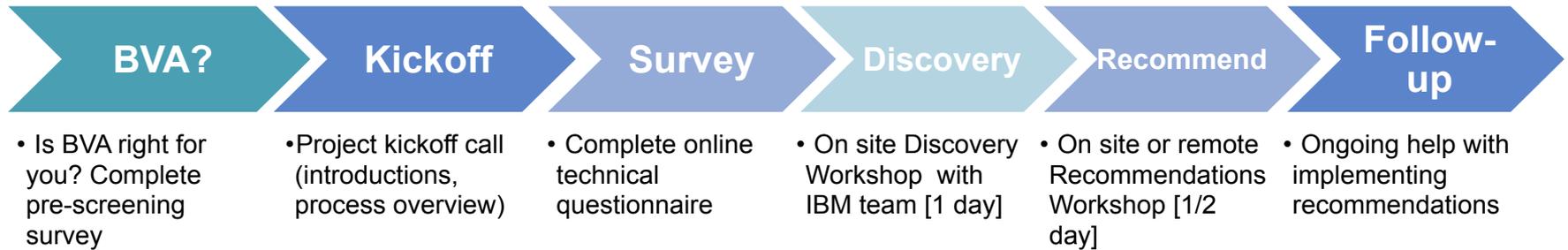


IMS Internships





IMS Business Value Assessment Workshop



BVA helps identify ways to get the most out of your IMS investment

- Tactical and strategic recommendations to:
 - Increase benefits while lowering costs
 - Improve processing efficiencies for IMS applications
 - Modernize access to IMS applications and data

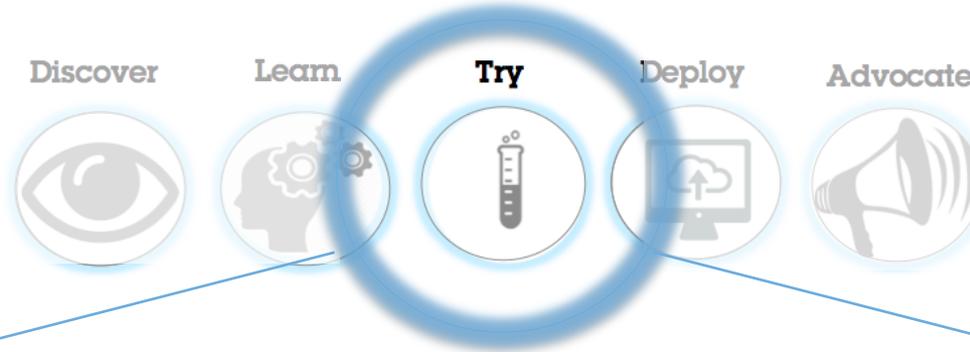
Complete this short survey to get started:

- <https://ibm.biz/BdHAFG>



A no-charge workshop!

Try



IMS Wildfire Workshops

112 clients
8 workshops
In last in 3Q.15 alone!

External

- YouTube Hands-on Lab
- IMS Exchange (DevloperWorks)
- Services

IMS Programs

- Demos
- Wildfire Workshops
- IMS Quality Partnership Program

IMS Exchange

The Exchange

Overview
Recent Updates
Members
Blog
Files

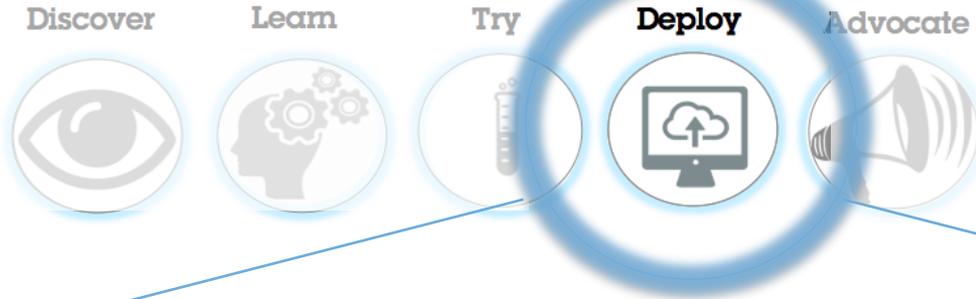
Blog

- “Getting started with the IMS Mobile solution”
ylai | July 28 | Tags: mobile install | 596 Visits
- “z/OS Management Facility workflow samples for compiling IMS Enterprise Suite SOAP Gateway XML converters”
ylai | Dec 19 2014 | Tags: converters workflow samples z/osmf soap | 916 Visits
- “Building an IMS mobile application: An end-to-end tutorial”
ylai | Nov 20 2014 | Tags: ims tutorial explorer mobile | 3 Comments | 1538 Visits
- “Technology Preview: Discovering IMS Enterprise Suite SOAP Gateway web services with IBM API Management”
ylai | Nov 14 2014 | Tags: ims ims_soap soap discovery apim | 1195 Visits
- “Using the IMS SOAP Gateway installation videos with version 3.1”
DavidHanson | Feb 17 2014 | 709 Visits

View All

29 blogs
cookbooks
over 30,000 views

Deploy



External

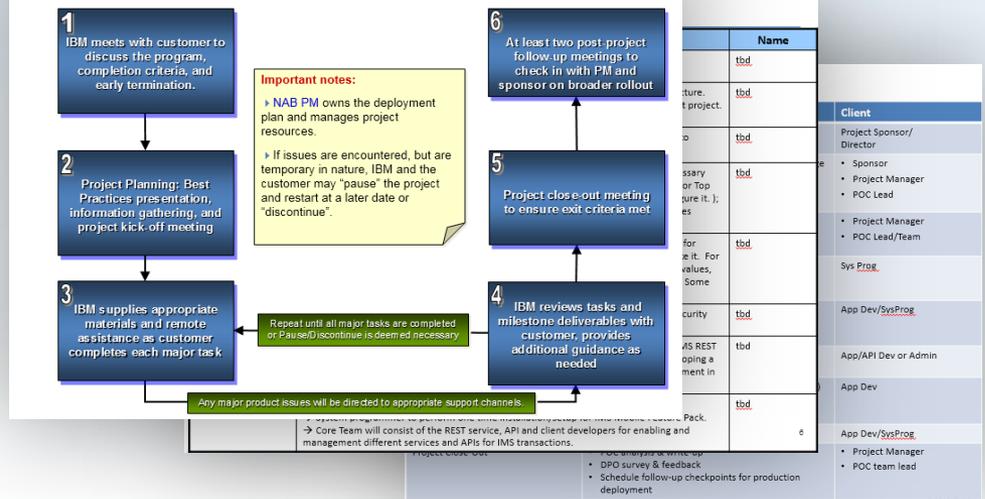
- Services

IMS Programs

- IMS Deployment Program
- Published Cookbooks
- IMS Quality Partnership Program

IMS Deployment Program

DPO Engagement Model



IMS Deployment Program

NEW

1. Guided deployment for:
 - Creating RESTful APIs from z/OS-based assets
 - Opening up access to IMS DB
 - Java on IMS
2. Prove the value with:
 - No charge service engagement (up to 50 hours)
 - Installation, configuration and deployment planning assistance
 - Best practices for production adoption



Services to accelerate time to value

Advocate

Discover

Learn

Try

Deploy

Advocate



External

- Web/Social
- Conferences

IMS Programs

- IMS Marketing

Standard Life

Leading Long-term Savings and Investments Company, headquartered in Edinburgh and operating internationally

Pilot Objective: Provide more sustainable/better/easier data insight and analysis into IMS data than current "green-screen" tooling

Business challenges

- Majority of policy data resides in IMS. This data needs to be queried for in-house analysis and testing
- Fewer personnel with IMS specific skills
- "Green-screen" data access methods, "scary" and "off-putting" for new personnel or those not familiar with it

Solution

- SQL query access to IMS data from modern Eclipse Based GUI
- 52 databases and metadata from 300 copybooks stored in IMS Catalog

Benefits

- Modern "non-proprietary" interface into IMS
- Similar look and feel as "better-known" relational access which personnel are used to

Pilot Result: IMS Explorer for Development will be rolled-out for in-house usage in Q4 2015



First National Bank processes over 1 billion transactions monthly with IMS



E.Sun Bank selects IMS SOA Solutions and IBM System z

Insight 2015

BANCO DE ESPAÑA
Eurosistema



the future is friendly®



IBM Interconnect, SHARE, IMS Symposium, zTechnical University, IBM Insight 6 Conferences: 75 IMS Sessions

IMS Symposium 2016



finanz informatik
technologie service

BANCO DE ESPAÑA
Eurosistema

IMS Engagement

Discover



Learn



Try



Deploy



Advocate



ibmims@us.ibm.com

Chart your path to digital transformation with IMS Today!

Migrate to IMS 14, z13 and the latest versions of all your tools!



1

Provide SQL access to IMS data and deliver insights to the business fast!



2

Become a service provider to your business and increase development speed with cloud and DevOps



DevOps

3

4

API enable IMS applications to deliver value to your business fast w/ IBM API Connect and z/OS Connect



z/OS Connect

Begin using Java to progressively modernize IMS applications and for new applications



ibmims@us.ibm.com

Connect with us!



@IBM_IMS



IBM IMS

ibm.com/ims



linkd.in/IBM IMS



ReThink IMS



ibm.com/IMS_RUGs

Backup

Please Note:



IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion.

Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision.

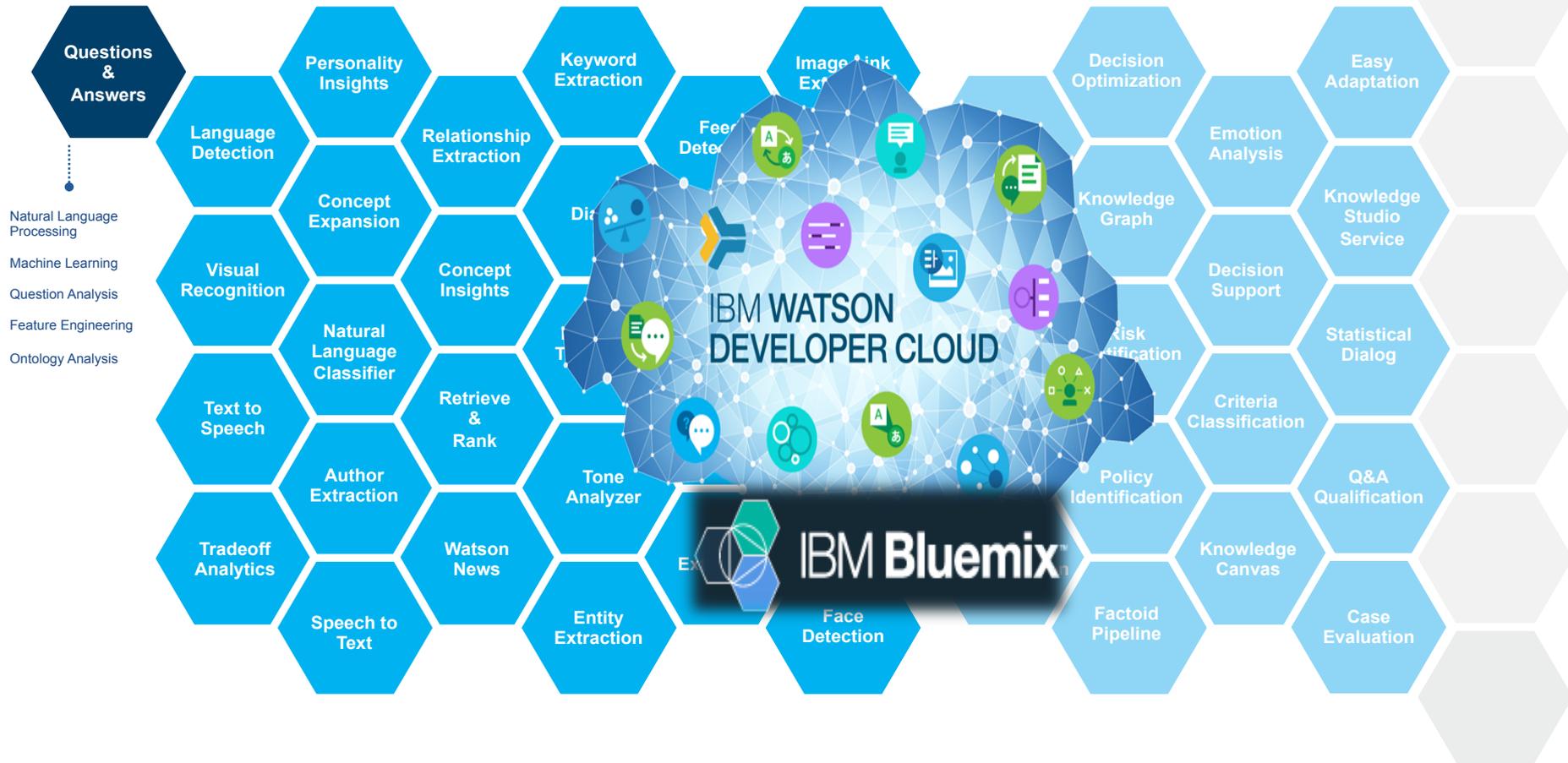
The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remains at our sole discretion.

With Cognitive...

The Watson that competed on *Jeopardy!* in 2011 comprised what is now a single API—**Q&A**—built on **five underlying technologies**.

Since then, Watson has grown to a family of **28 APIs**.

By the end of 2016, there will be nearly **50 Watson APIs**—with more added every year.





“Project HAL”

Who: Anyone
What: Can provision IMS (or other subsystems) on z Systems
Wow: In minutes, with limited knowledge



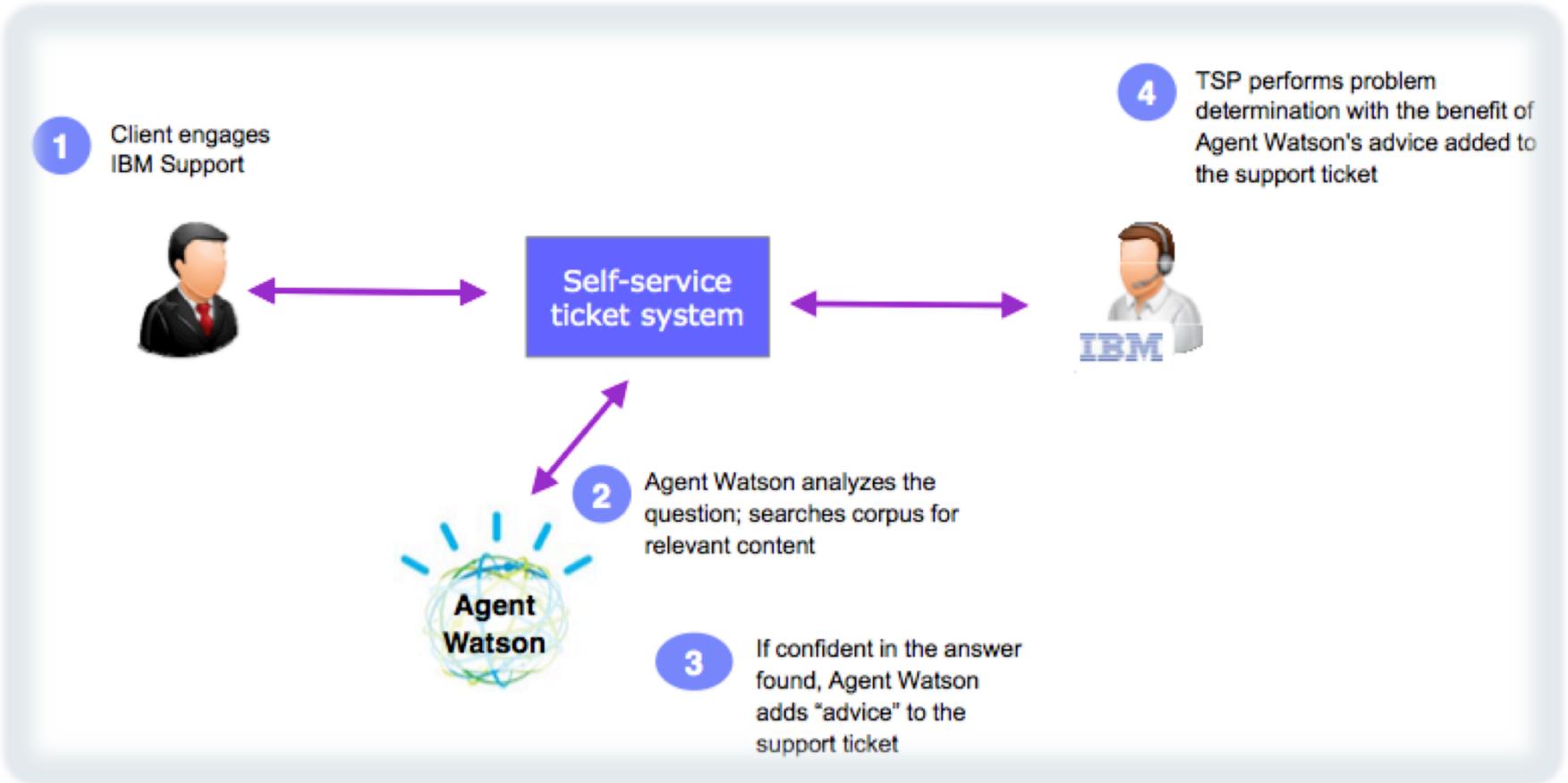
Management API



z/OS Management Facility



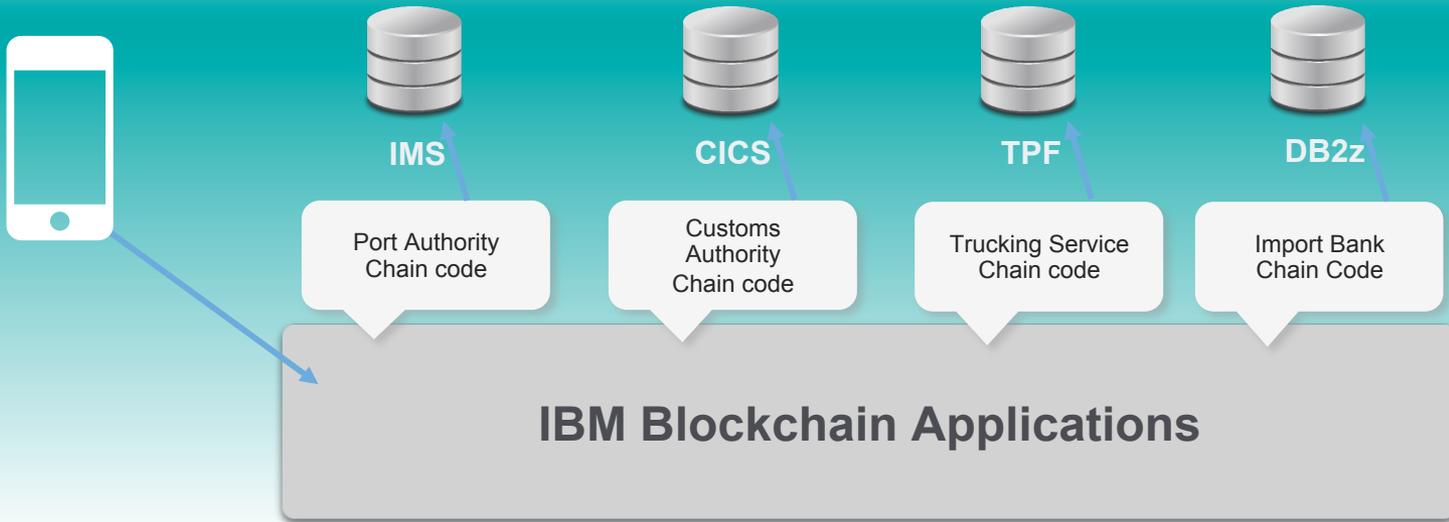
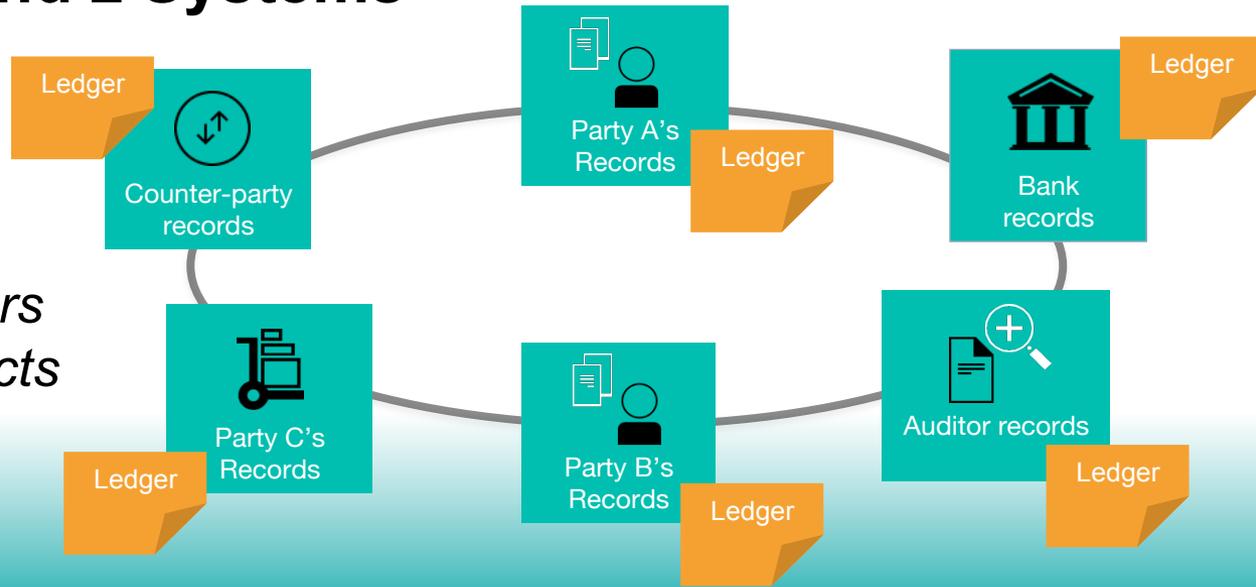
IBM Support Powered by Watson Enablement





Innovating w/ IBM Blockchain and z Systems

Replicated ledgers with smart contracts



Pilot Objective: Provide more sustainable/ better/easier data insight and analysis into IMS data than current “green-screen” tooling

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Pilot Result: IMS Explorer for Development will be rolled-out for in- house usage in Q4 2015

Standard Life

*Pilot Users’ comments:

“Don’t have a couple days to try and test limits of query cases....just make best guess. Now with Explorer it’s easy to find what we need immediately.”

“Massive step forward”

In reference to one user's initial exposure to “green-screen” tooling: *“This is going back to the Dark Ages.”* Same user's experience with IMS Explorer: *“It is great just to be able to do queries”*

**Pilotees included 15 Architects, Analysts and Developers*

Solution components:

- IMS Explorer for Development
- IMS Connect, Open Database Manager & IMS Catalog implementation on IMS 13

European Bank

Business Needs:

- Increasing demand for access to financial services
- Adapt to new customer behaviors
- Deliver new innovative apps

IT Needs:

- Develop APIs that can be leveraged broadly
- Quickly and efficiently enable their z System-based assets to be part of their larger API ecosystem

Solution:

- Build out full API economy complete with APIm strategy
- Have capability to blend in SoE and SoR in same API bus
- Digital Services Platform that can easily support microservices patterns

Benefits:

- Speed to execution and value of new services
- Single channel offering API connectivity to both systems of engagement and z Systems of record
- Same standard across all APIs; look and act consistently
- App dev with consistent experience and no z specific skills
- Provides flexibility of internal and external consumption of APIs