

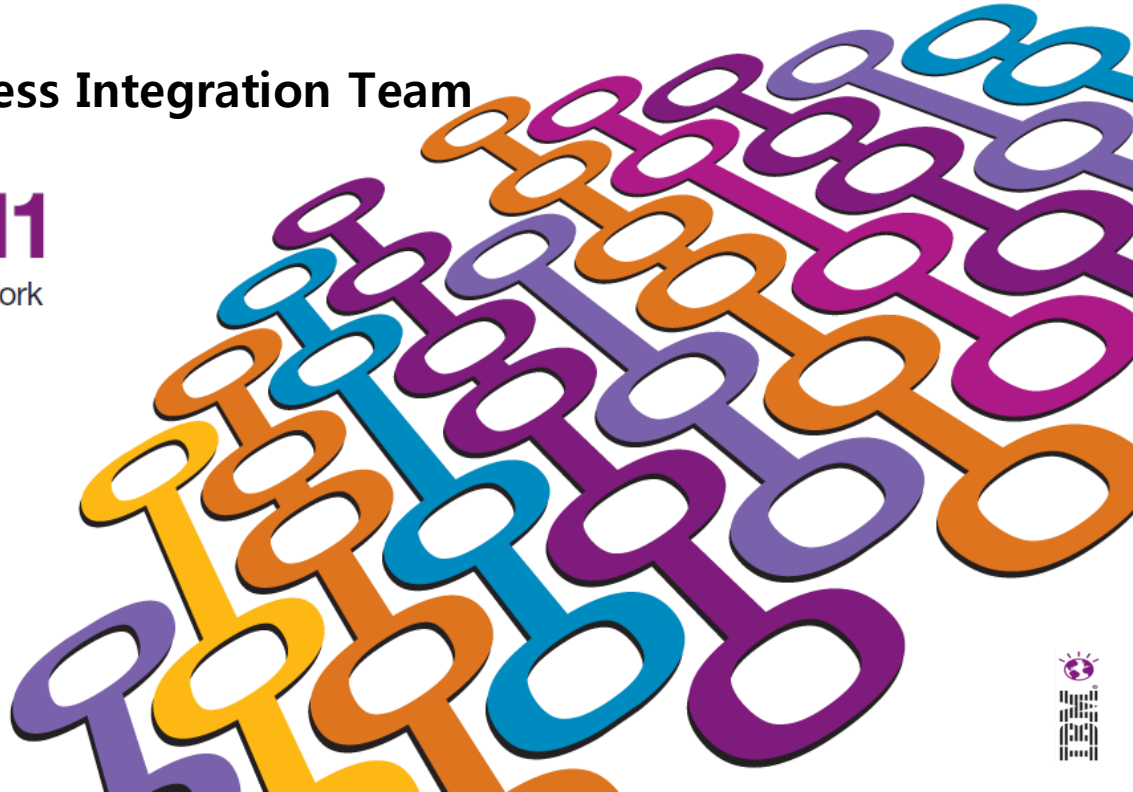
클라우드 - 비즈니스 성장을 위한 비용 절감 및 신규 서비스 모델 전달 방안

Colin Gniel,

Business Unit Executive – Business Integration Team

Impact Korea 2011

Changing the Way Business and IT Leaders Work



Pressures like workforce mobility and increasing productivity are placing greater demands on IT systems

Increased expectations

56%

of customers demand increased self-service capabilities

Increased demands

10x

growth in digital data from 2007 to 2011

Increased competition

2/10

of the world's largest companies in 2000 remain on that list today

54%

of surveyed enterprise IT budgets in 2010 were spent on ongoing operations and maintenance costs*

* Source: Forrester Research, Inc. "2011 IT Budget Planning Guide," October 7, 2010 by Craig Symons



As a result, cloud is an increasingly attractive means of creating and delivering IT services

Value delivered	From traditional	To cloud
Change management	Months	Days or hours
Test provisioning	Weeks	20 minutes
Install database	1 day	12 minutes
Install of operating system	1 day	30–60 minutes
Provisioning environment		51% cost savings
Design and deploy business applications	Months	Days/Weeks

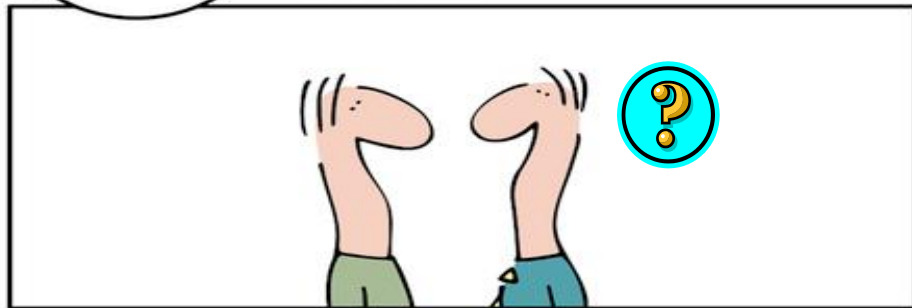
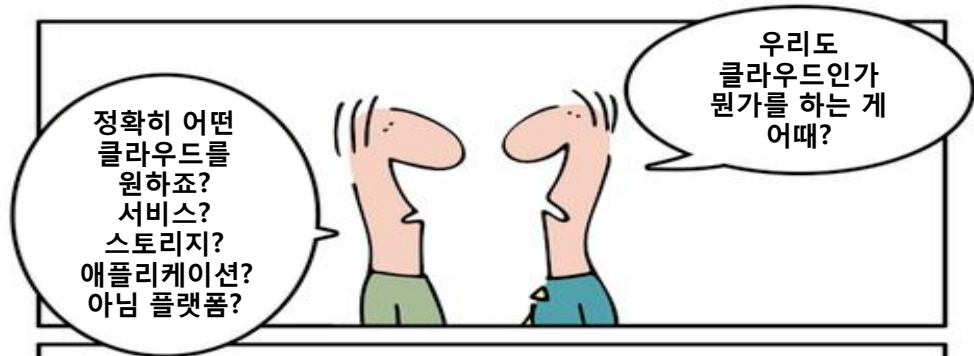
“Our commitment to informed decision making led us to consider private cloud delivery of Cognos via System z, which is the enabling foundation that makes possible +\$20M savings over 5 years.”

– IBM Office of the CIO





SIMPLY EXPLAINED - PART 37:
AGILITY



THE CLOUD THINGY





Cloud helps business and IT create and deliver value in fundamentally new ways

Deliver IT without boundaries

Enable new IT and business processes that break down traditional silos and simplify access to information in order to deliver better business outcomes



Improve speed and dexterity

Speed the delivery of new offerings and services by creating new models of self-service and deployment

Create new business value

Empower internal and external communities to define and create new offerings and services





Businesses are choosing a variety of cloud models to meet their unique needs and priorities



Private cloud

On or off premises cloud infrastructure operated solely for an organization and managed by the organization or a third party



Public cloud

Available to the general public or a large industry group and owned by an organization selling cloud services



Hybrid IT

Traditional IT and clouds (public and/or private) that remain separate but are bound together by technology that enables data and application portability



Traditional IT

Appliances, pre-integrated systems and standard hardware, software and networking





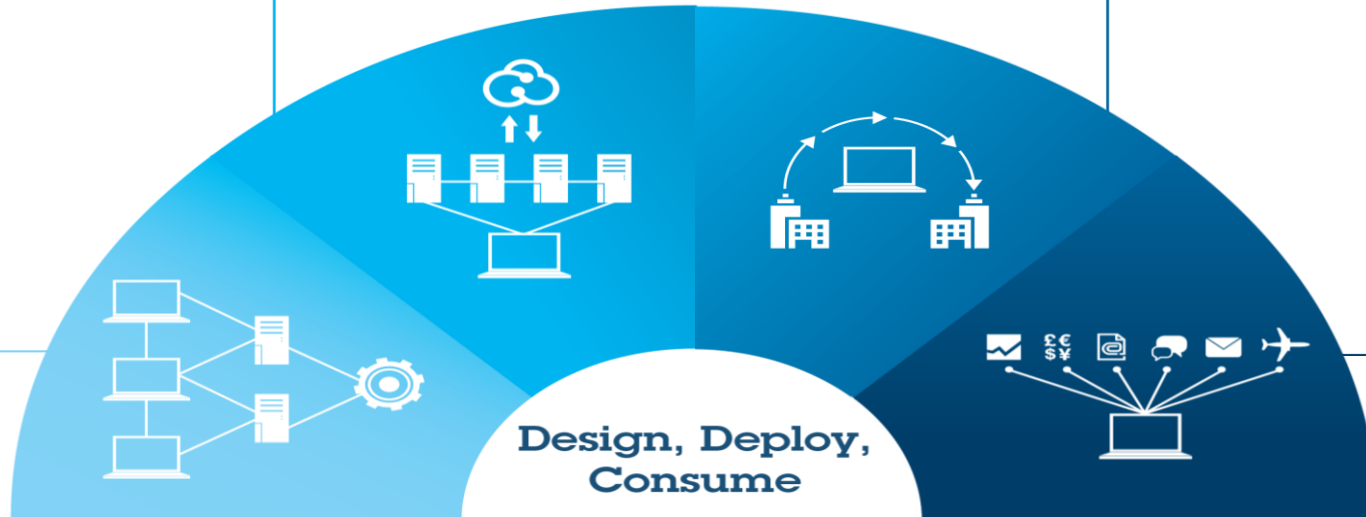
Adoption patterns are emerging for successfully beginning and progressing cloud initiatives

IaaS: Cut IT expense and complexity through a cloud enabled data center

PaaS: Accelerate time to market with cloud platform services

Innovate business models by becoming a cloud service provider

SaaS: Gain immediate access with business solutions on cloud





IBM delivers prescriptive, repeatable cloud solutions for our clients' most pressing priorities

Cloud Enabled Data Center

Integrated service management, automation, provisioning, and self service

Cloud Platform Services

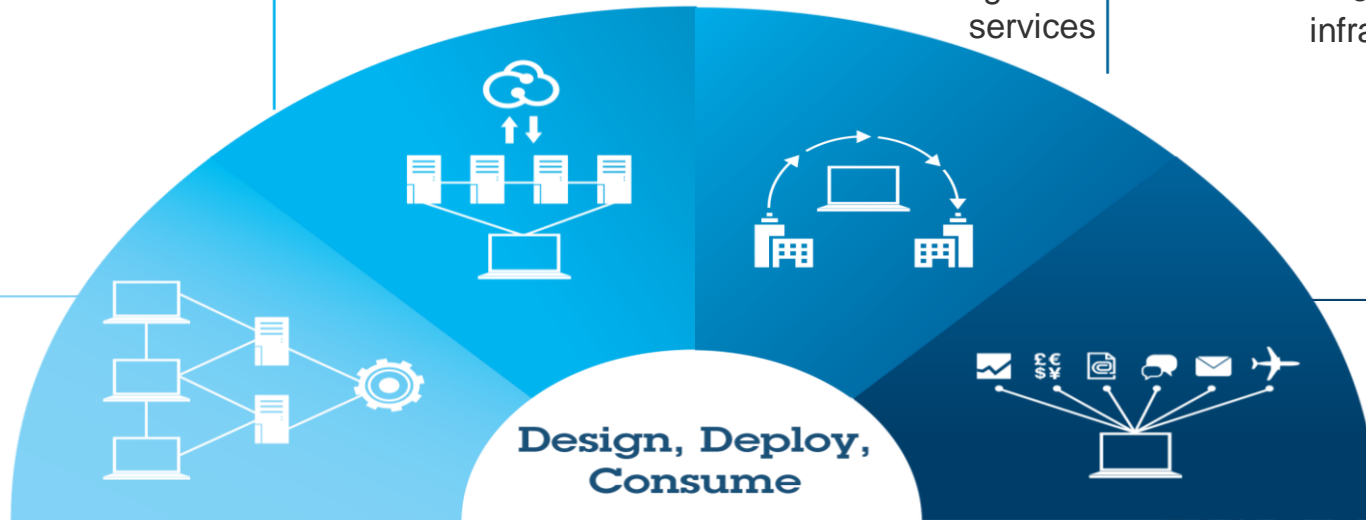
Pre-built, pre-integrated IT infrastructures tuned to application-specific needs

Cloud Service Provider

Advanced, reliable, highly secure and scalable platform for creating, managing, and monetizing cloud services

Business Solutions on Cloud

Capabilities provided to consumers for using a provider's applications running on a cloud infrastructure



Design, Deploy, Consume

Cloud Computing Delivery Models



Flexible Delivery Models

Public

- Service provider owned and managed
- Access by subscription
- Delivers select set of standardized business process, application and/or infrastructure services on a flexible price per use basis

Cloud Services

Cloud Computing Model

Private

- Privately owned and managed
- Access limited to client and its partner network
- Drives efficiency, standardization and best practices while retaining greater customization and control

Hybrid

Standardization, capital preservation, flexibility and time to deploy

Access to client, partner network, and third party resources

Customization, efficiency, availability, resiliency, security and privacy

ORGANISATION

CULTURE

GOVERNANCE



Cloud Computing Delivery Models



Flexible Delivery Models

Public

- Service provider owned and managed
- Access by subscription
- Delivers select set of standardized business process, application and/or infrastructure services on a flexible price per use basis

Cloud Services

Cloud Computing Model

Private

- Privately owned and managed
- Access limited to client and its partner network
- Drives efficiency, standardization and best practices while retaining greater customization and control

Hybrid

Standardization, capital preservation, flexibility and time to deploy

Access to client, partner network, and third party resources

Customization, efficiency, availability, resiliency, security and privacy

ORGANISATION

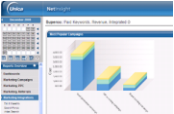





CULTURE

GOVERNANCE



IBM also one of the largest Public Cloud provider



	Unica OnDemand	<ul style="list-style-type: none">Unica OnDemand offers all the features and benefits of Unica Enterprise in a secure hosted environment that leaves
	CoreMetrics	<ul style="list-style-type: none">CoreMetrics Continuous Optimization Platform is a unique system for optimizing marketing across all channels
	Sterling B2B Services Cloud Broker	<ul style="list-style-type: none">A secure, public cloud environment, used to broker intra- and inter-enterprise commerce messages
	Sterling e-Invoicing	<ul style="list-style-type: none">Reducing the risk, cost and complexity of global electronic invoicing
	Tivoli Live	<ul style="list-style-type: none">Flexible and Affordable ServiceManagement Software as a Service
	Rational AppScan OnDemand	<ul style="list-style-type: none">Enhancing Web application security and regulatory compliance without up-front investments

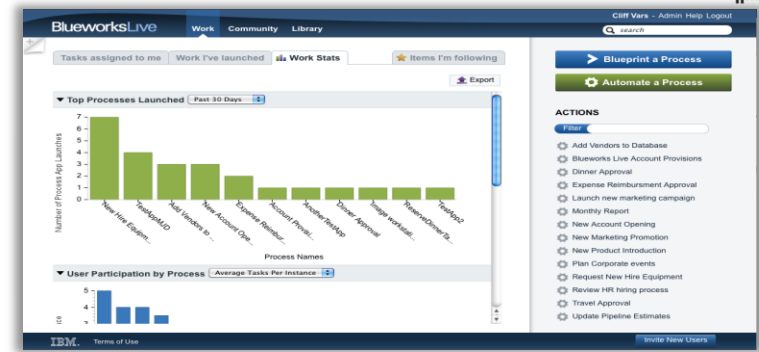
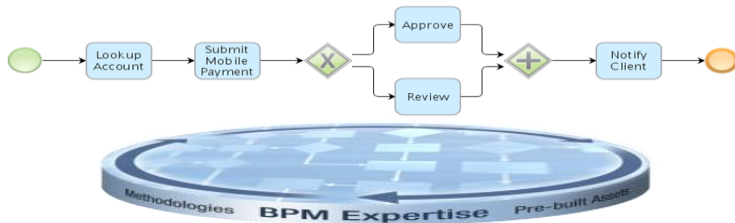




IBM Blueworks Live

Document and Run Processes in the Cloud

- **Increase agility by documenting and refining processes** in a tool that keeps everyone informed of important changes
- **Make your organization more efficient by automating simple processes** that run today over email - in as little as 90 seconds!
- **Improve the way you work by seamlessly collaborating** across roles, teams and locations.
- **Sign up now for a free 30 day trial**



“We now have tools to map out, study and improve all of our processes. They are user friendly and logical. I’m excited that we’ve embraced the BPM technology and culture that supports the way we want to manage our business.”

- LaTeca Fields, Business Analyst at Lincoln Trust





Our mission is to deliver top-quality patient care, excellent education and world class research.



Business challenge:

- Implement a management system to meet Government standards
- Track 500,000 patients annually
- Model patient treatment pathways
- Interact with huge amounts of data from a number of existing databases

Solution:

- A Patient Tracking System (PTS)
- Alerts signal when a patient is delayed in their treatment pathway before they go over the 18wkRTT
- Patient details entered once on to the system rather than multiple entries

Benefits:

- Able to manage and demonstrate how they are meeting the 18wkRTT mandates
- Fewer patient delays & Reduction in patient complaints
- Greater insight into resource planning

“A vital part of the PTS, is the business process management platform which provides the real-time tracking, enables parameters to be set and creates the notifications and alerts allowing us to know what stage the patient is at in their pathway and how long they have been at that stage.”

— James Thomas,
IT Director of University College
London Hospitals NHS Foundation
Trust.



IBM Converged Communications Services for unified communications as a service

Chart a cloud-based course for your unified communications strategy



Features:

- Helps identify and evaluate the viable unified communications (UC) and collaboration options for your environment
- Develops scope, objectives, requirements and strategy for a unified communications as a service (UCaaS) solution
- Defines a migration strategy and high-level architecture for implementing UCaaS solution

Benefits:

- Delivers recommendations to help reduce costs and improve productivity with a unified communications solution
- Helps determine the unified communications alternative best suited to your business needs
- Provides a road map for transitioning to a unified communications as a service environment

Why IBM?

- Vast experience in planning, designing and deploying UC solutions
- Offers a vendor-neutral approach that leverages proven model and tested tools, methods and best practices
- Expertise in the field of cloud computing



LotusLive Offerings



Web Conferencing



Lotus Live Meetings

(Sametime Unyte Meeting)

Full-featured Web conferencing service includes polling, hand raising, record & playback.

- Supports G1 languages

Collaboration



Lotus Live Engage

An integrated suite of Web collaboration and business networking solutions including:

- On line Meetings
- Survey Forms
- Files
- Live Charts
- Chat service
- Profiles and Contacts
- Activities

eMail



Lotus Live Notes

(Lotus Notes Hosted Messaging)

Full-featured, dedicated hosted Email service. (rich client and browser)

- Supports 27 Languages

Additional Add-ons

→ LotusLive Mobile for Blackberry

→ LotusLive Sametime IM



Lotus Live Events

(Sametime Unyte Events)

Internet-based event capabilities. Provides tools to create & manage webinars.



Lotus Live Connections

An integrated suite of Web collaboration and business networking solutions including:

- Files
- Profiles and Contacts
- Chat service
- Activities



Lotus Live iNotes

Web-based Email service with personal calendar & shared contacts. Mobile sync capability.





Cloud Computing Delivery Models

Flexible Delivery Models

Public

- Service provider owned and managed
- Access by subscription
- Delivers select set of standardized business process, application and/or infrastructure services on a flexible price per use basis

Standardization, capital preservation, flexibility and time to deploy

Cloud Services

Cloud Computing Model

Private

- Privately owned and managed
- Access limited to client and its partner network
- Drives efficiency, standardization and best practices while retaining greater customization and control

Customization, efficiency, availability, resiliency, security and privacy

Hybrid

Access to client, partner network, and third party resources

ORGANISATION

CULTURE

GOVERNANCE



Integration Platform

Bridge the Cloud and On Premise Worlds



Google, zerofootprint, xactly, NETSUITE, right 90, RIGHT NOW, ADP, SPS commerce, aprimo, BIGMACHINES, Cisco webex, RAINMAKER, HOOVERS, a task, ORACLE CRM OnDemand, concur, Amazon.com, Taleo, GEARWORKS, salary.com, SuccessFactors, OneSource, GetThere, SpringCM, nGenera, PARATURE, recruiting.com, People Performance, Salesforce, QuickArrow.

Baan, QAD, CSV, GREAT PLAINS, SAP, J D EDWARDS, SIEBEL, LAWSON, IBM DB2, Remydy Corporation, Flat File, ca CA Clarity PPM, Microsoft SQL Server 2008, ORACLE, PeopleSoft, SYBASE, XML, Microsoft Dynamics, NAV.



Case Study: Customer Master Integration



The largest petroleum products refiner and marketer in Australia



Challenge

- Consolidate several separate CRM systems to salesforce.com
- Integrate customer master data between SAP and salesforce.com
- Deliver needed sales reports to Salesforce
- Considered standard Web Service tools from Salesforce
 - Not scalable
- Considered SAP NetWeaver
 - Too complex

Solution

Cast Iron Integration Solution

- Simple “No Coding” approach
- Bidirectional integration with SAP:
 - FTP connector to SAP
 - Salesforce connector to Salesforce
- Customer master data synchronized nightly between SAP and Salesforce
- Daily Sales in SAP summarized nightly in Salesforce

Results

- Integration developed, tested, and rolled into production in 3 days for first Salesforce instance
- 600 transactions completed nightly
- Provided accurate customer master data in Salesforce
- Allowed Caltex to roll out Salesforce for additional business units



Cloud Computing Delivery Models



Flexible Delivery Models

Public

- Service provider owned and managed
- Access by subscription
- Delivers select set of standardized business process, application and/or infrastructure services on a flexible price per use basis

Cloud Services

Cloud Computing Model

Private

- Privately owned and managed
- Access limited to client and its partner network
- Drives efficiency, standardization and best practices while retaining greater customization and control

Hybrid

Standardization, capital preservation, flexibility and time to deploy

Access to client, partner network, and third party resources

Customization, efficiency, availability, resiliency, security and privacy

ORGANISATION

CULTURE

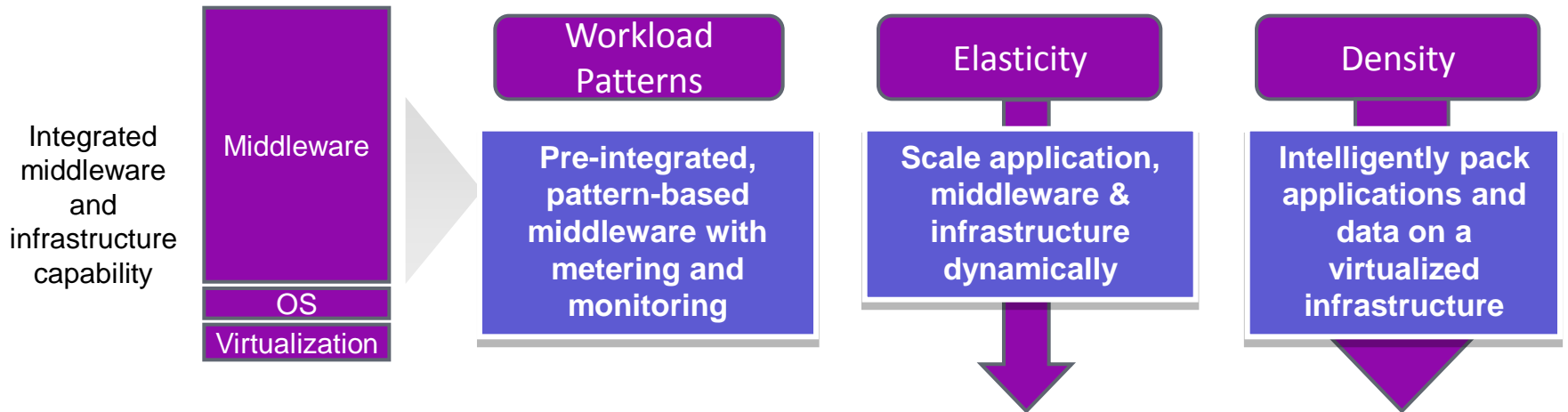
GOVERNANCE



IBM Workload Deployer – Workload Patterns



An integrated infrastructure designed to provide customers with a virtualized, optimized stack for middleware applications



Optimized for specific workloads such as data driven, transactional

Enabling consistent promotion of applications from development to production



IBM Workload Deployer – Workload Patterns



Integrated Hardware Appliance offering with flexible adoption models:

➤ **Hypervisor Images Deployment:**

- ✓ Basic execution services for stand-alone VM images
- ✓ Basic image management and library functions
- ✓ Customization & Automation provided by users
- ✓ Use the Hardware you want: Support for VMWare(x86), PowerVM™, and z/VM®

➤ **Topology pattern deployments of Hypervisor Images:**

- ✓ Patterns for common topologies and ability to build custom topologies
- ✓ Allows custom control over configuration

➤ **Workload pattern deployments of software solutions**

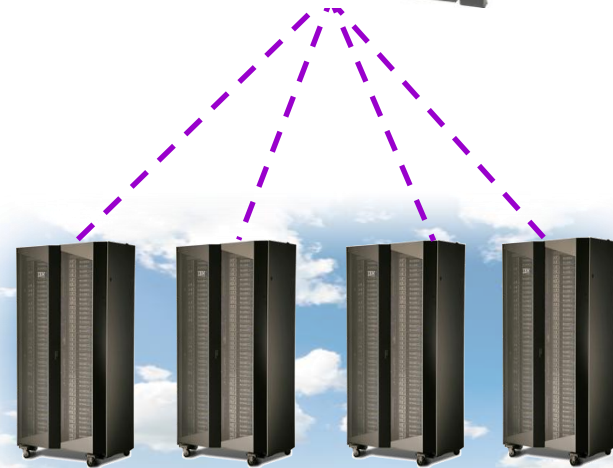
- ✓ Fully Integrated & Optimized Workloads for Private Cloud
- ✓ Support for VMware
- ✓ WebApp workload pattern

Intelligently Optimise License Utilization

- ✓ Check-in, Check-out, reuse

Shared resource management infrastructure

IBM Workload Deployer



Customer Provided Hardware
VMWare/x86, Power/zLinux (topologies)





IT Consulting Firm uses IBM Workload Deployer to help clients achieve rapid provisioning while reducing costs

Challenge:

- High IT operating costs
- Underused servers consuming space & power
- Significant amount of time required to configure and deploy applications

Benefits:

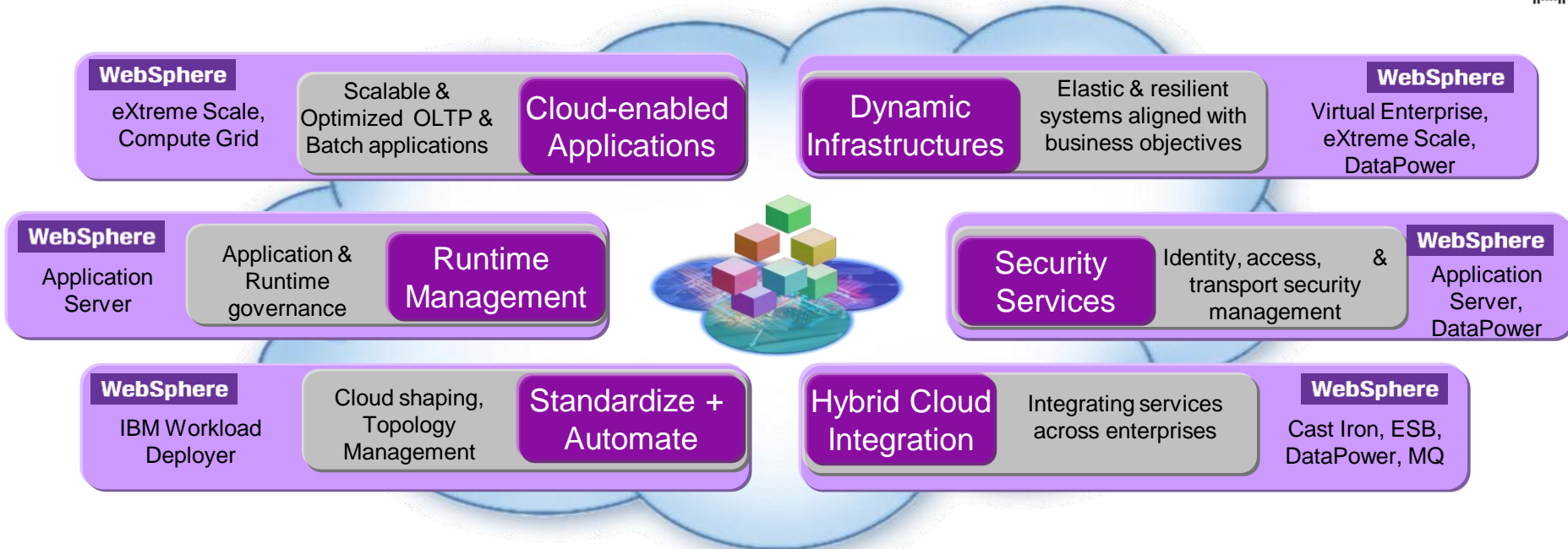
- Significant cost savings for enterprise WebSphere implementations
- 100x faster time to market (hours versus 40-60 days)
- Elimination of errors resulting from incorrect server configurations

Solution:

- Use IBM Workload Deployer to provide high business value through increased efficiency, cost-effectiveness and usability of WebSphere topologies in a data center



Key WebSphere Technologies for Cloud



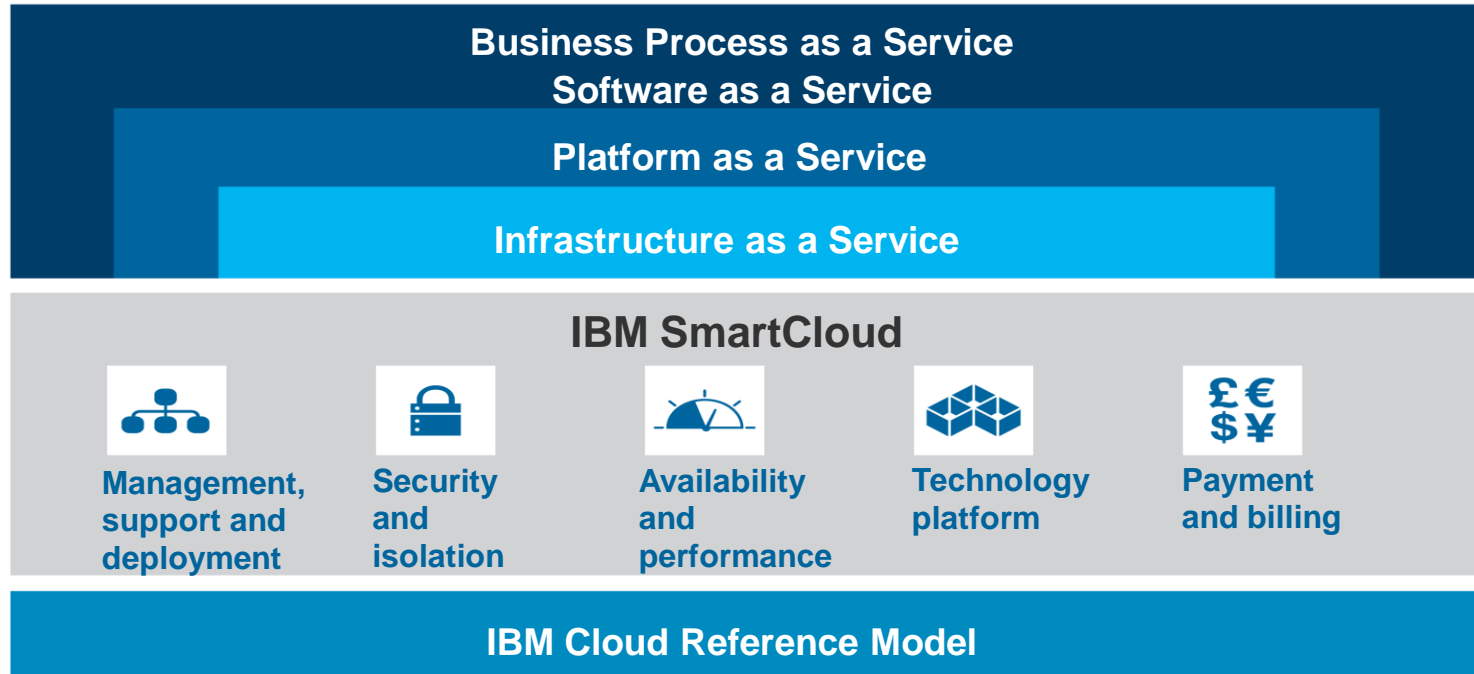
WebSphere delivers proven technologies & services to build clouds

- Challenge: Assess the maturity of each pillar, determine how to incrementally pursue the cloud
- It's more than just buying products, customers must establish operational & app dev discipline





IBM SmartCloud provides a robust platform





Our own use of cloud extends across the entire IBM organization and has transformed the IBM business on multiple levels

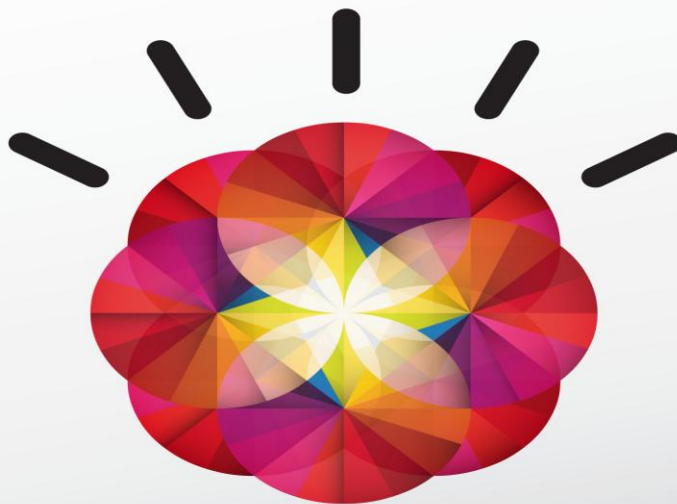
- **109,000 IBM employees** use Blue Insight, the world's largest business analytics private cloud
- **6,000 IBM marketers** across 6 continents utilize IBM cloud-based Marketing Operations daily
- **6000 IBM users** of Blueworks Live to improve internal business processes
- **200 million minutes** of IBM web conferencing with LotusLive Meetings
- **Avoided \$22M in expenses** by leveraging a development and test cloud
- **1,200 users** in IBM China development labs, plus IBM Call Center teams in the United States and India, have migrated to a desktop cloud environment



The time has come to rethink IT and reinvent business with cloud and IBM

Ask the fundamental questions:

- Is your organization achieving the levels of innovation required to compete in today's environment?
- Is your organization able to nimbly put lucrative ideas into action?
- Does your organization incorporate the best ideas — even if they come from outside?
- Are you developing internal capabilities that would be better handled by others?



Go to <http://ibm.com/cloud> for more information

Questions?





감사합니다

