

Optimizing the World's Infrastructure

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Business without LIMITS 2012

[6th September 2012, New Delhi]

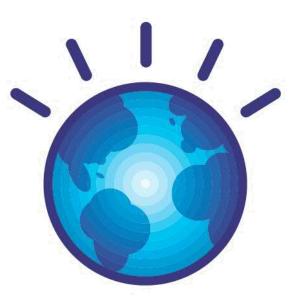


In this new world everything is changing....





















80%

CEOs anticipate turbulent change and bold moves ahead.



Rethink IT.

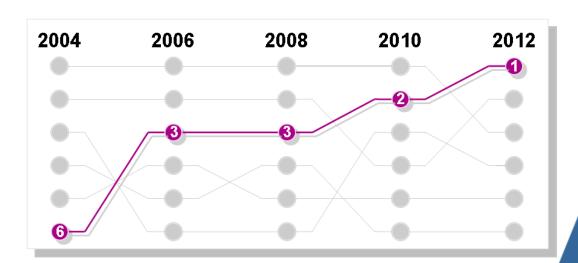
- Speed delivery
- Improve economics
- Drive innovation

Reinvent business.

- Improve operating dexterity
- Redesign client relationships
- Uncover new profit opportunities



Technology will play a critical role...



Factors impacting organizations:

1. Technology factors

- 2. People skills
- 3. Market factors
- 4. Macro-economic factors
- 5. Regulatory concerns
- 6. Globalization
- 7. Socio-economic factors
- 8. Environmental issues
- 9. Geopolitical factors

Faster Delivery

90%

view cloud as critical to their plans

Improved Reach

1Billion



Smartphones and 1.2 billion mobile employees by 2014

Responsive Operations

20B+



Intelligent business assets

New Insights

2.7ZB



of digital content in 2012, a 50% increase from 2011

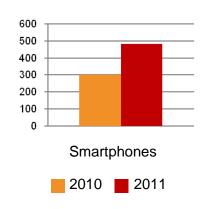
A mobile transformation is occurring...

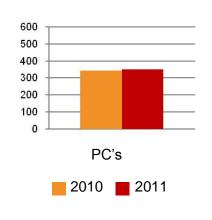


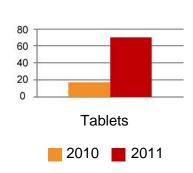
Nearly 2 of devices accessing applications will be mobile

55% growth in smartphone market -- 2011

...sales of Smartphones now exceed laptop & PC sales.







Units shipped (M)



Success is driven through a holistic approach to delivering and managing services that adapts to changing business priorities...



VISIBILITY

See and understand your business in real time



CONTROL

Transform and adapt while limiting risks



AUTOMATION

Standardize best practices and achieve greater efficiency



IBM is helping organizations embrace bold strategies to **Rethink IT**, and **Reinvent Business** services, processes, & relationships...



Optimize with Cloud



Speeding service delivery from 45 days to 20 minutes

Extend to Mobile Devices



Increasing sales with new promotions from 15% to 75% Deploy Smarter Physical Infrastructures



Recognizing & repairing over 50% of issues before operations impact

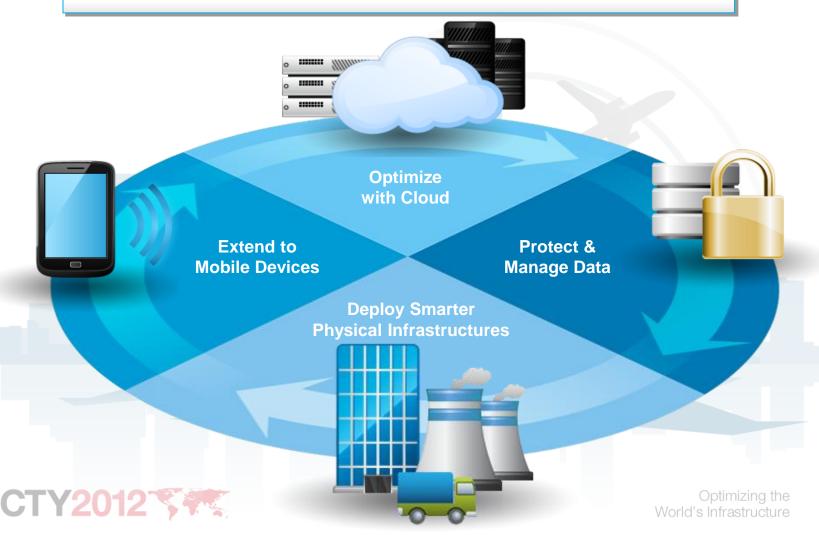
Protect & Manage Data



Reducing the time it takes to backup critical data by 80%

IBM's integrated service delivery & management platform offers the proven capabilities and best practices needed for success.

Service Delivery & Management Capabilities



Optimize with Cloud

Nearly 60% of CIOs view cloud computing as critical

- Resilient to the velocity of changing business needs
- Enables choice & flexibility in hybrid environments
- Provides enterpriseclass, workload-aware services
- Built-in analytics for improved insight and decision making





- Speed infrastructure delivery from 45 days to 20 minutes
- Improve server to administrator ratio from 10:1 to 100:1



Extend to Mobile Devices

Nearly 2 of devices accessing applications will be mobile

- Build applications optimized for mobile
- Deploy software apps worldwide in days.
- Find all assets on your network – NOW!
- Patch anywhere, anytime over any network.
- Continuously enforce security for mobile and off-network devices.





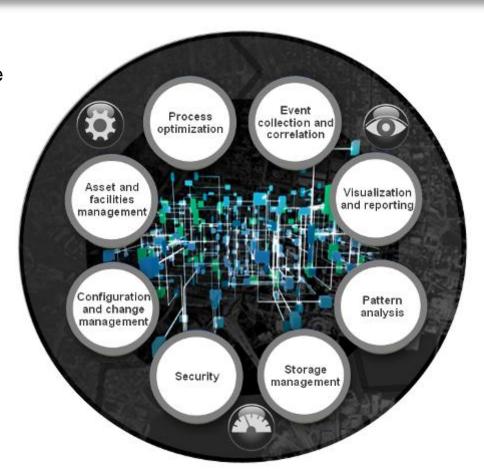
- Enables service innovation & 25% yr/growth with cloud endpoint management
- Managing over 500,000 endpoints and still growing



Deploy Smarter Physical Infrastructures

Over 20B machine-centric intelligent devices

- Predictively manage the asset lifecycle
- Monitor the health of smart infrastructures
- Understand the impact of problems on service
- Optimize workflow across business & IT operations
- Track key performance indicators





- Operational excellence & performance at100 plants world wide
- Visibility into inventory & demand across sites
 huge cost savings

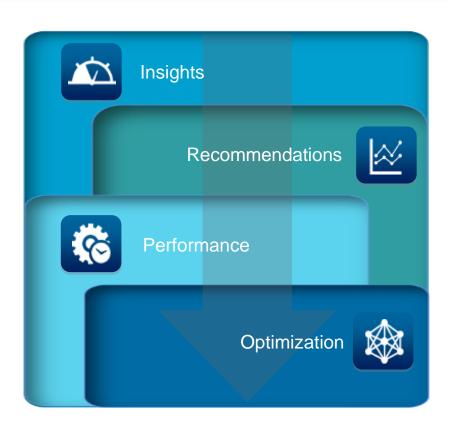




Protect & Manage Data

2.7ZB of digital content, a 50% increase from 2011

- Data Protection reducing the amount of data at risk between backups by 90%
- Unified Recovery Management to configure, monitor and execute all backup/recovery operations
- Storage Virtualization to improve storage utilization by 30% or more
- Advanced Storage Resource
 Management to effectively monitor,
 manage and troubleshoot
- Integrated reporting and monitoring to provide visibility, control and automation







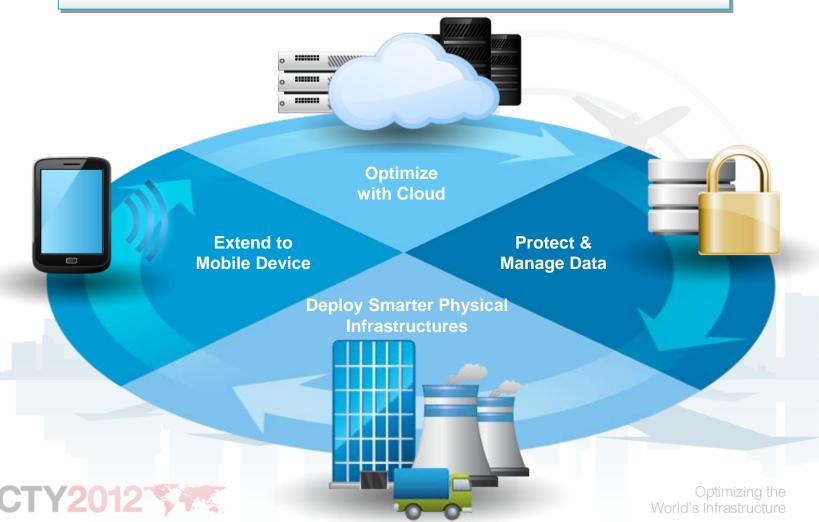
- Perform nightly and full image backups within 8 hours
- Resolve environmental issues
- Increases backup success by 9%





Only IBM brings these capabilities together to enable integrated delivery of business services across complex, interconnected infrastructures...

Service Delivery & Management Capabilities



Only IBM brings these capabilities together to enable **integrated delivery of business services** across complex, interconnected infrastructures...



- Transformed supply chain across5k stores &54 countries
- Reduced backorders85%



- Increased water leak detection **eightfold** for participating citizens
- Decreased water utilization during pilot6.6 percent



- Handling70 millionpieces of luggage/year
- Increased capacity by20 million







Australian Open A Fully Integrated Experience



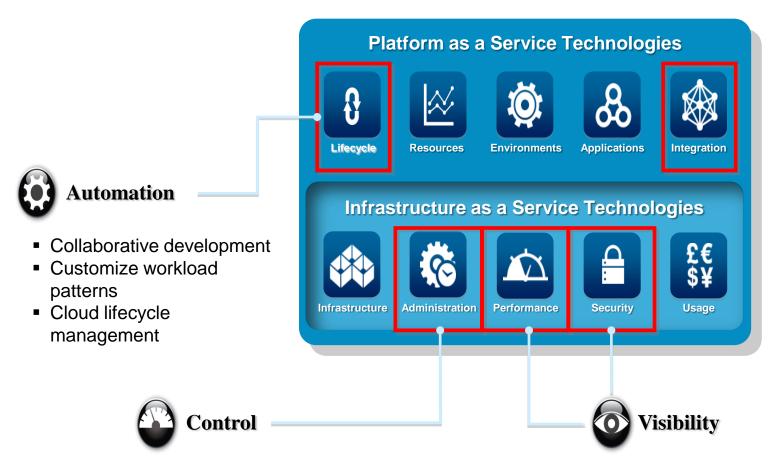






IBMSmartCloud Foundation

Build and scale cloud environments with unparalleled time to market

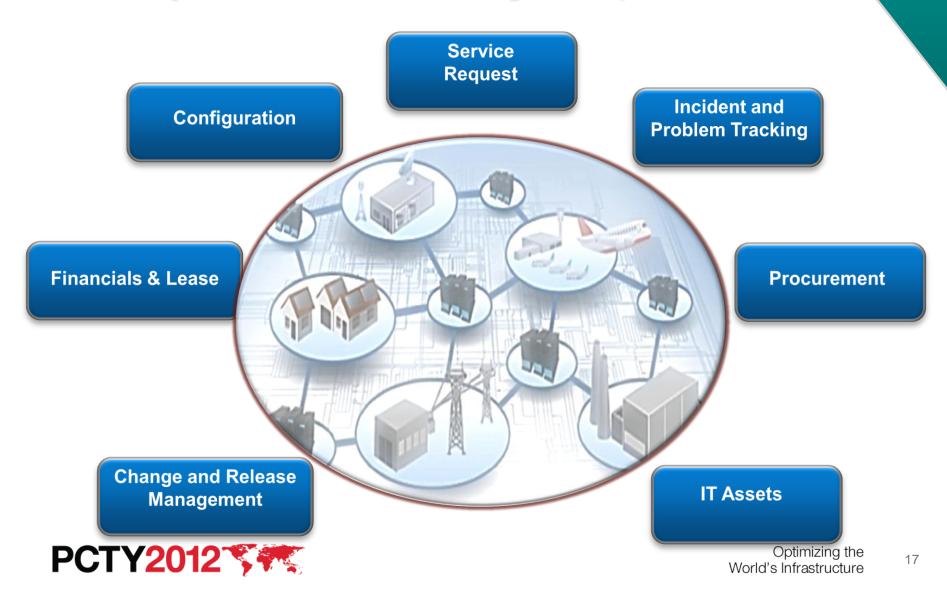


- End-to-end IT process integration
- Simplified cloud administration
- Lower costs and improve performance

- Improved visibility into the cloud
- Health analytics for capacity planning
- Secure the Cloud

IBMSmartCloud Control Desk

Holistically controls service management processes



IBMSmartCloud Monitoring and Provisioning

Enhanced And

Visibility and Control of Optimized IT Infrastructures and workloads

IBMSmartCloud Monitoring

- End-to-end element visibility
- Proactive problem analysis
- Intelligent workload placement
- License optimization
- Capacity planning

IBMSmartCloud Provisioning

- Highly resilient cloud manager
- Hypervisor agnostic platform
- Advanced image management
- Image lifecycle composition

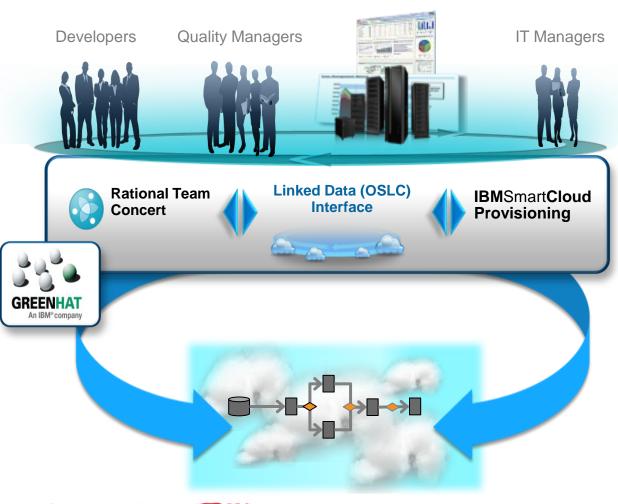
- Start small and scale up
- Real-time capacity on-demand
- Analytics based optimization



IBMSmartCloud Continuous Delivery

O_O

A simple approach to lifecycle agility



- Accelerate delivery
- Self-service
- Reduce risk
- Improve quality
- Manage change
- Optimize Workload Patterns

IBMSmartCloud Application Performance Management

Optimize end user performance and prevent outages



Rapid Time-to-Value

- Out-of-the-box dashboards provide KPI at-a-glance
- Execute quickly with new agentless transaction tracking technology



Comprehensive Coverage

- •Updated support for DataPower, DB2, WAS, SAP and more
- Monitor both traditional and cloud-based environments

Leverage IBM Expertise

- Built-in IBM expert advice identifies root causes and recommended actions
- Impact analysis
 dashboards enables quick
 identification of problems
 and business are that is
 affected



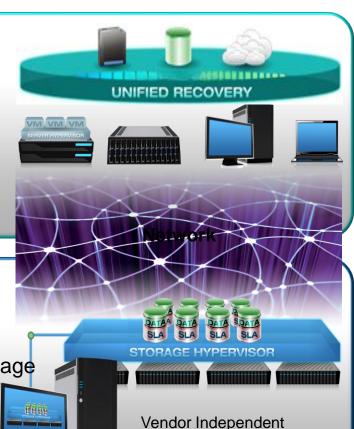
IBMSmartCloud Virtual Storage Center and Tivoli Storage Management Suite

Intelligently controls and optimizes Cloud Storage with pay as you go pricing



Tivoli Storage Management Suite

- Data reduction for recovery and retention
- Always on recovery service
- Instant recovery for virtual environments and applications





SmartCloud Virtual Storage Center

- Virtualize physical storage resources
- Flexible management of heterogeneous storage
- Central management of virtual storage



Service Management Extensions for Hybrid Cloud

New

Integrate clouds with centralized monitoring, security and automation

On-Premise Cloud and Applications

Service Management Extensions for Hybrid Cloud

WebSphere Cast Iron Cloud Integration

Public infrastructure and applications

- Visibility across all resources
- Control system and security management
- Automate workload flows across clouds



Better Business Outcomes with Cloud



The need

Reduce time to market by accelerating development cycle for 20,000 internal developers

The solution

Self-service request, automated provisioning, and internal chargeback capabilities

The benefit

Reduced server provisioning times from 45 days to less than 20 minutes.



IBM Endpoint Manager

Nen

Extending Enterprise endpoint management to Mobile



- Mobile Lifecycle Management
- Security threat detection and automated remediation
- Advanced management for iOS, Android, Symbian, Windows Phone



Extends 550,000 endpoints

Enterprise Servers, Desktop and now Mobile



Enhanced Cod

IBM Maximo

Innovating to reach new heights of infrastructure performance and reliability



- Health, Safety and Environment Management
 - Improve employee and public safety, reduce risk to the environment and manage regulatory compliance
- Supply Chain Management
 - Greater control over critical procurement to improve operations and optimize enterprise inventory
- Comprehensive Industry Solutions
 - Transportation, Nuclear, Oil and Gas

IBM Smarter Buildings

Tririga enables a complete solution for facilities optimization

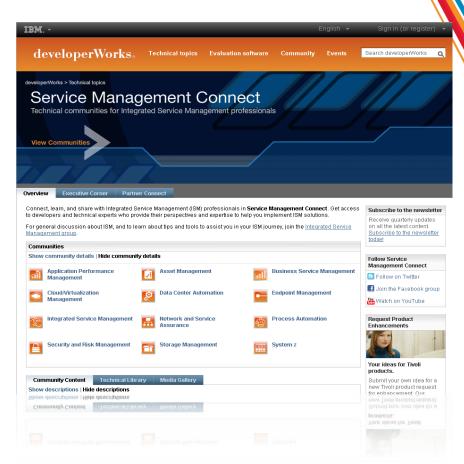


Service Management Connect

On-line community that connects you to the future of service

management

- Transparent development
- Product roadmaps
- Code downloads and demos
- Access to the experts
- Best practices
- Submit requirements



- > 4 million hits since launched at Pulse 2011
- > 700+ blog entries from IBM experts
- > 100 featured IBM expert profiles



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