BusinessConnect

A New Era of Smart June 12 2014

Dynamic Hybrid Clouds Deliver Responsive IT

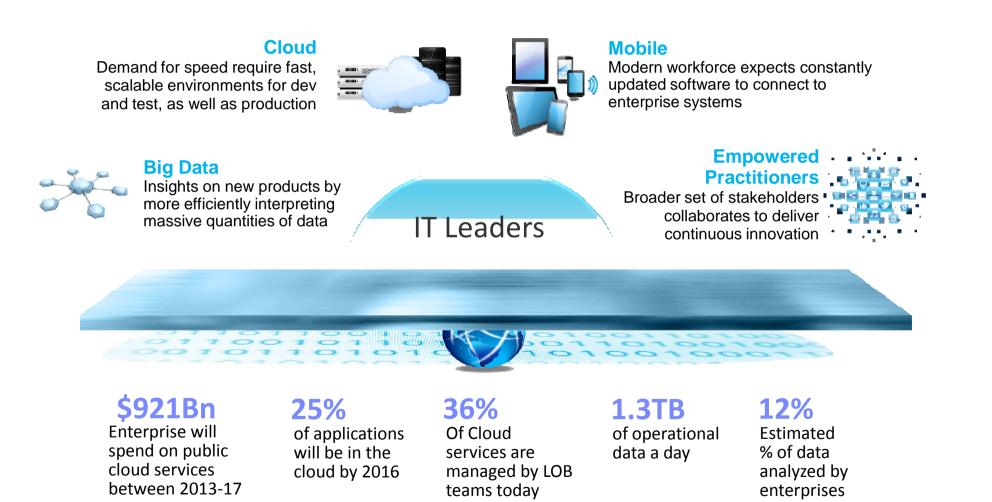
Moe Abdula, Cloud Strategy & Product Management IBM Software Group

Tel Aviv – June 12th 2014



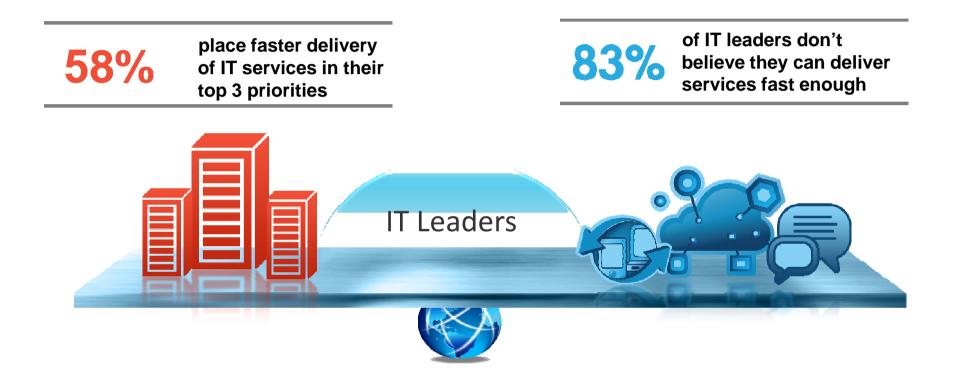


Market Dynamics are Creating Unprecedented Expectations on IT Leaders





Where speed is the new currency ...



Prioritizing IT needs

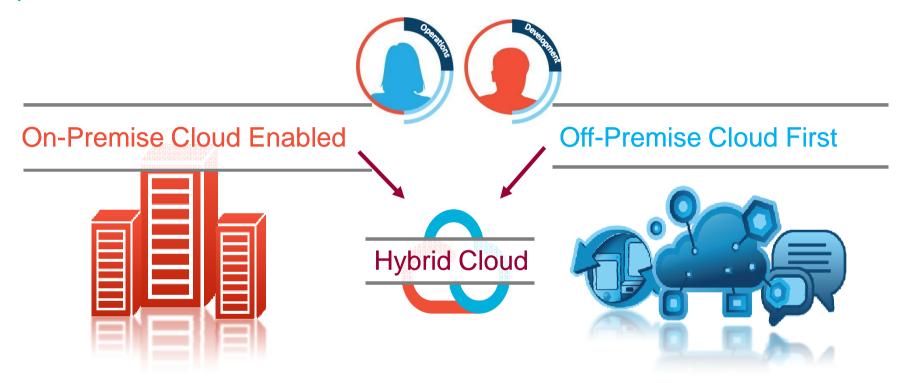
Delivery improvement

Survey of Fortune 1000 IT leaders...





Client are increasingly leveraging Public and Private Clouds today but quickly realizing that only a 'Hybrid' solution would address the complete spectrum of their needs



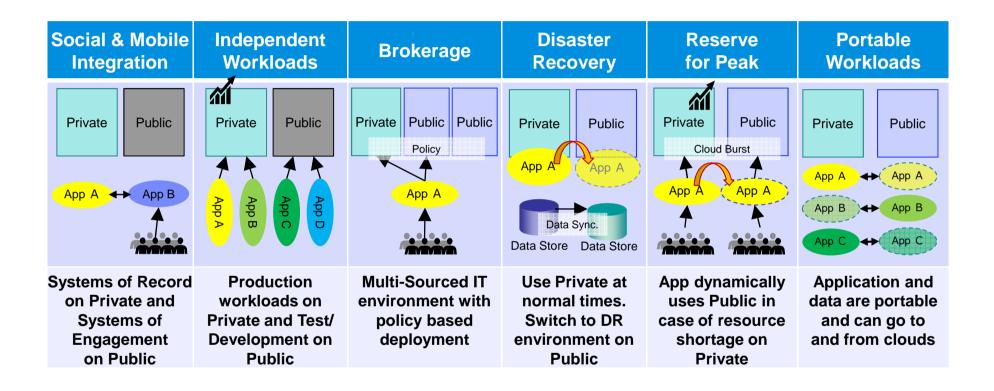
- Capacity and Peak
- Flexibility and Multi-Sourcing
- Compliance and Regulations

- Transaction ready engagement
- Multi-App Integration
- Differentiated Service



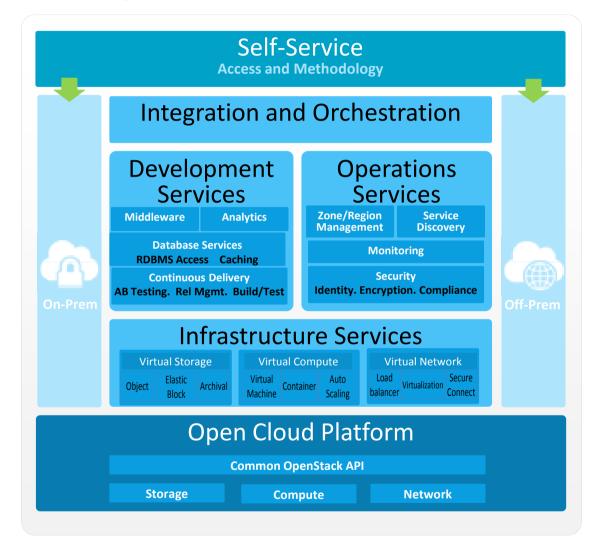


'Hybrid Cloud' Use cases are starting to take shape





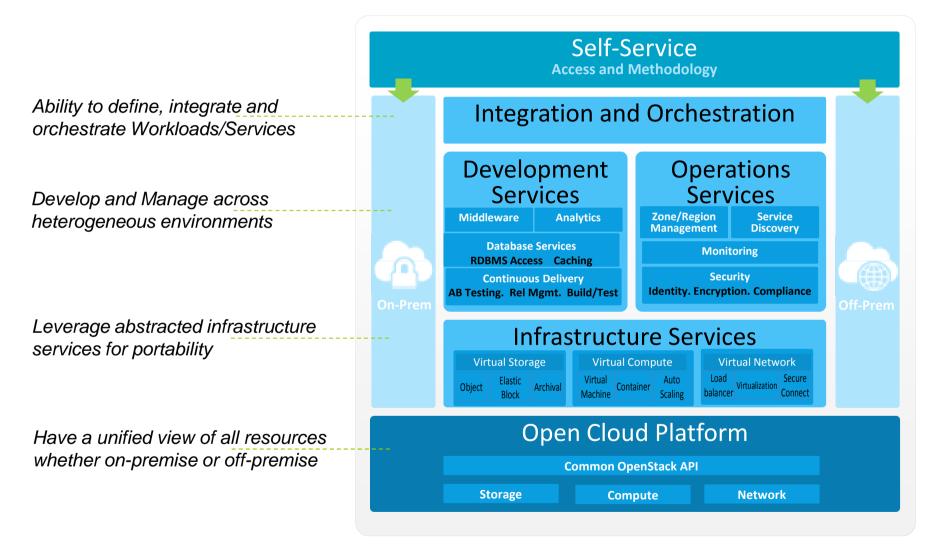
What are the core capabilities needed to address these use cases ?







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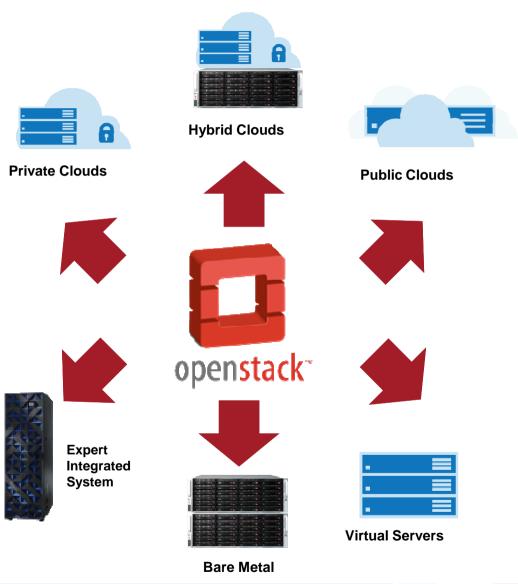






Open Cloud Platform

- OpenStack as the de-facto API across environments
- Openstack implementation available in IBM systems and off-premise hosted cloud model
- Share set of services (Computed, storage and network) between environments deliver integration
- HOT for workload definition delivers portability







Cloud Orchestration and Management

IBM Added Value

Governance & Orchestration Services:

- Eases coordination of complex tasks and worklflows, leveraging existing skills, processes and technology artifacts
- Support of OSLC from OASIS

Platform Services:

- Simplifies deployment and lifecycle management of middleware and application patterns
- Support of TOSCA from OASIS

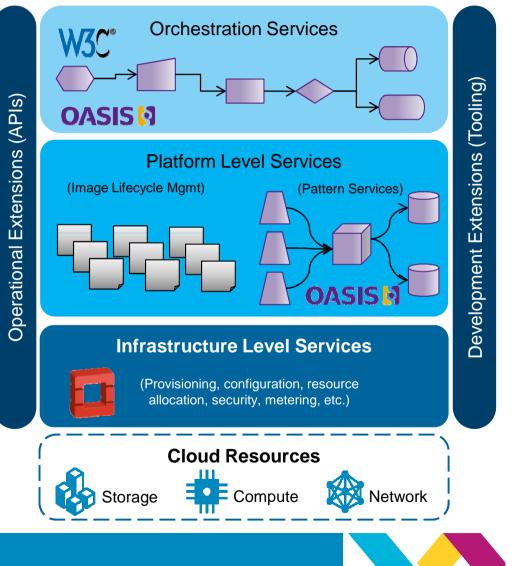
Infrastructure Services:

- Highly flexible, scalable infrastructure on heterogeneous resources
- Built on OpenStack

Extensibility:

- Plug and play operational service management integration
- Development tooling integration
- Pre-built images, patterns, process / configuration automation

Common Cloud Management Services





Cloud Orchestration and Management

Deliver a ready to use software catalog

- Select from one of 200 available patterns
- Connect to management tools
- Publish in under 5 minutes

Bring DevOps principals to your cloud

- Automate the lifecycle of complex, multi-tier applications across development, test and production environments
- Automate the full Continuous Delivery Pipeline, including pushing updates live



Leverage templates for rapid service creation

- Automatically integrate with management systems (Monitoring, Backup, Security Compliance, and Approvals)
- No coding necessary

Deploy software on-prem or in public clouds seamlessly

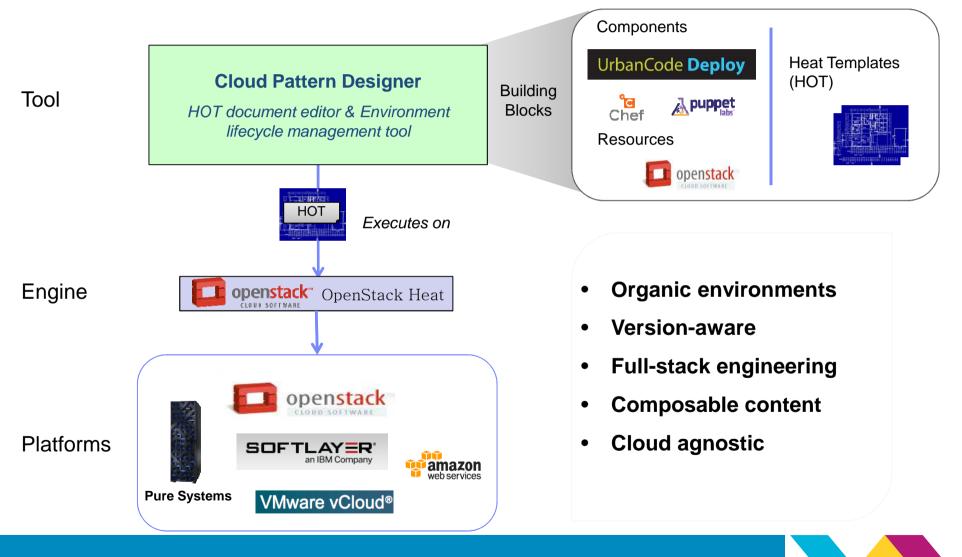
- Orchestrate to connect public and private application components together
- Promote workloads from dev environments to production environments with the same automation





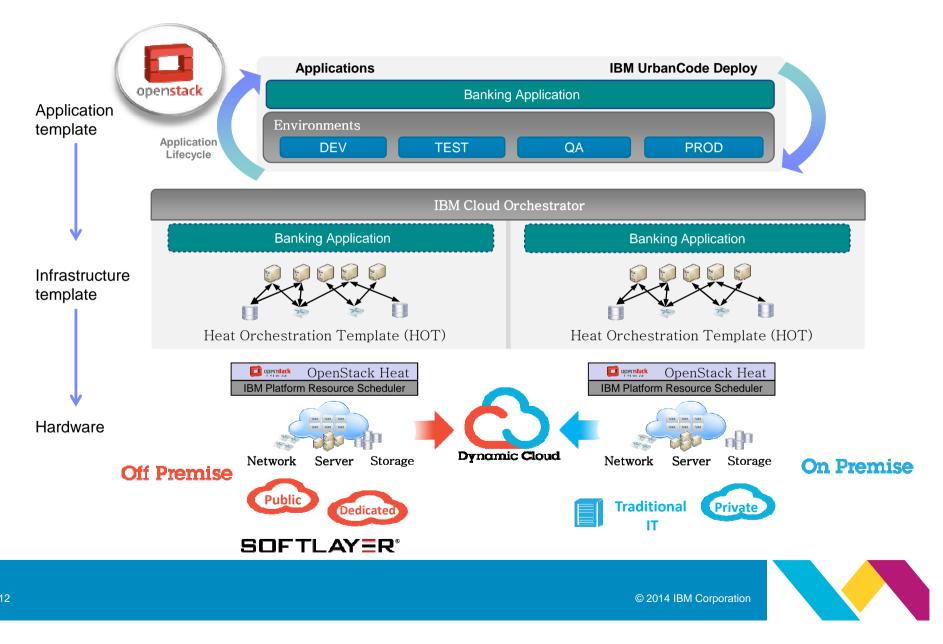
Open Patterns Based Development and Operational Services

A full-stack engineering solution for designing, deploying, and managing environments

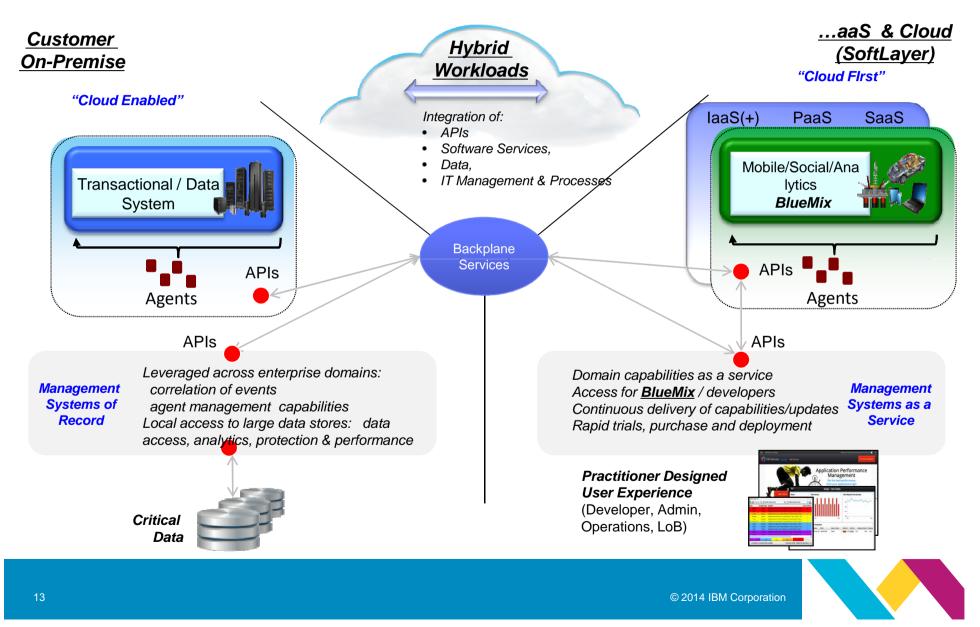




A new model for app deployment & management in hybrid cloud



Transparently running/managing hybrid workloads with hybrid tools





Client Case Study : Toshiba establishes a cloud environment and quickly provisions IaaS and PaaS for its entire enterprise when it implements IBM SmartCloud Orchestrator

TOSHIBA

Challenge:

- To improve business efficiency, Toshiba Corp. had recently mandated a cloud environment to support its entire enterprise
- With its multinational data centers populated with technology from multiple vendors, the company needed a flexible cloud-management platform that would centralize its infrastructure and enable it to quickly provision Infrastructure as a Service (laaS) and Platform as a Service (PaaS) solutions for its business units around the globe

Solution:

- IBM SmartCloud Orchestrator software to provide an open and extensible framework for managing its heterogeneous cloud environment
- IaaS technology built on SoftLayer's public infrastructure

Results:

- Converted the hybrid infrastructures at its multinational data centers into a standardized, virtualized cloud environment
- Toshiba can quickly manage and deploy laaS and PaaS solutions for its business units around the world
- The solution provides visibility into global workload patterns that help the company optimize its delivery of cloud services





'Open" is the only way to achievable a sustainable hybrid cloud

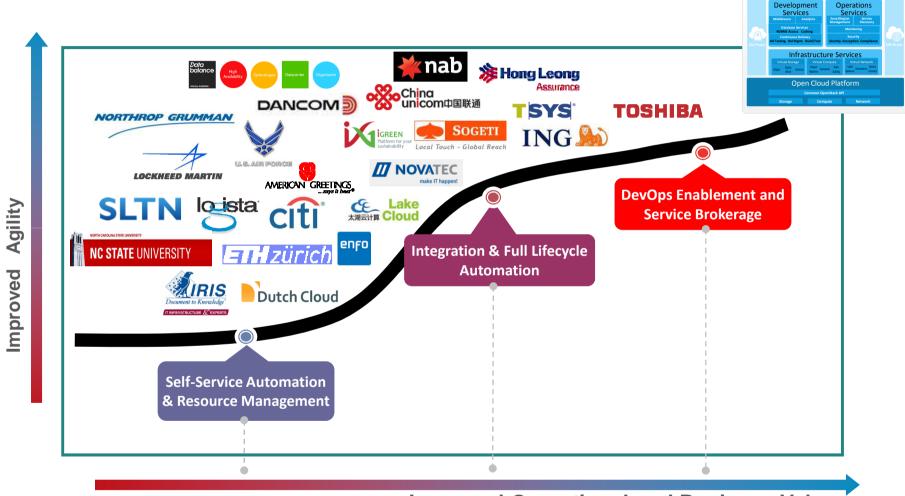






Self-Service Access and Methodology

5000 Client Engagement Later ... "Cloud is journey"



Improved Operational and Business Value







