

Mariano Ammirabile – GTS Cloud Sales Leader



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Cloud Computing, tecnologie e servizi



IBM SmarterSystems

Cloud - The (Vision of a) Fifth Utility



Water



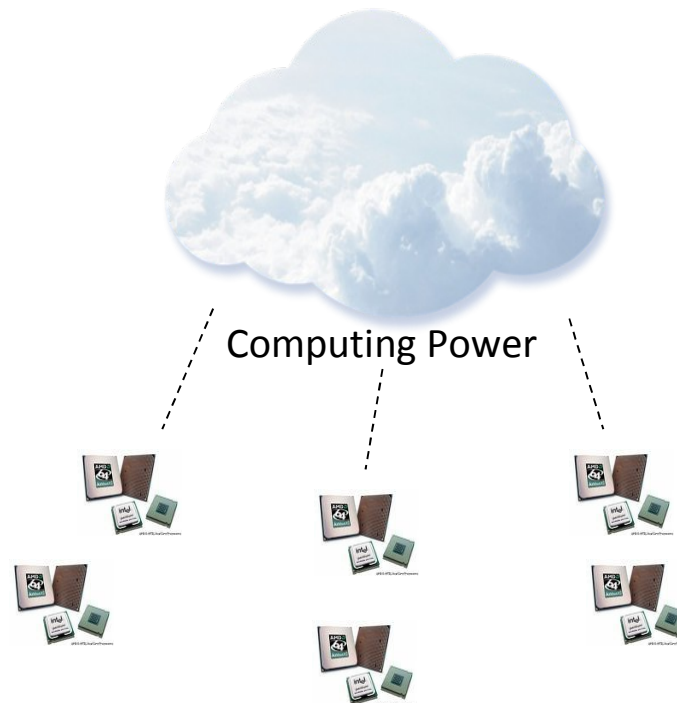
Gas



Electricity



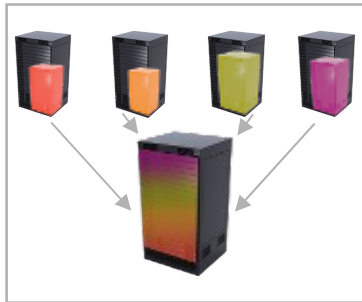
Communication



Virtualization as fundamental stage towards cloud adoption

Cloud Computing

Physical Consolidation



- Improve utilization
- Reduce costs
- Lower power usage

Improve capacity utilization by as much as 60%, while reducing the power and cooling costs

Advanced Virtual Resource Pools



- Decouple complexity from scale
- Share resources optimally
- Automate workload management
- Incorporate HA & DR

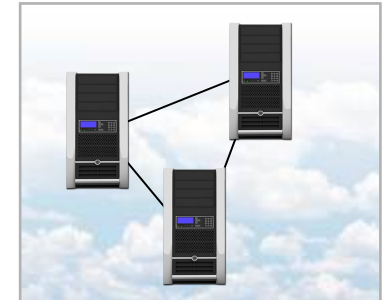
Hands-free operation, eliminate mundane tasks and manual processes and deploy workloads in minutes

Fully virtualized IT with integrated Service Management



- Sense and respond to workload requirements
- Dynamically move workloads to best-fit infrastructures
- Integrated virtualization management with IT processes

Save time and reduce skill level required for workload provisioning through pre-packaged automation templates



- Low cost through economies of scale
- Always on
- Globally available
- Elastic scaling
- Pay for use
- Self-service with rapid provisioning
- Service catalog

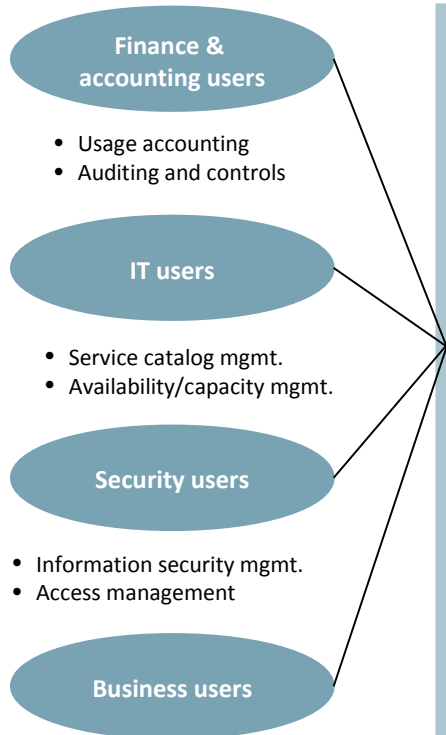
Give users the flexibility to request and pay for services they want without the complexities of establishing an IT infrastructure

Cloud computing and service management

Enterprise user needs are met...

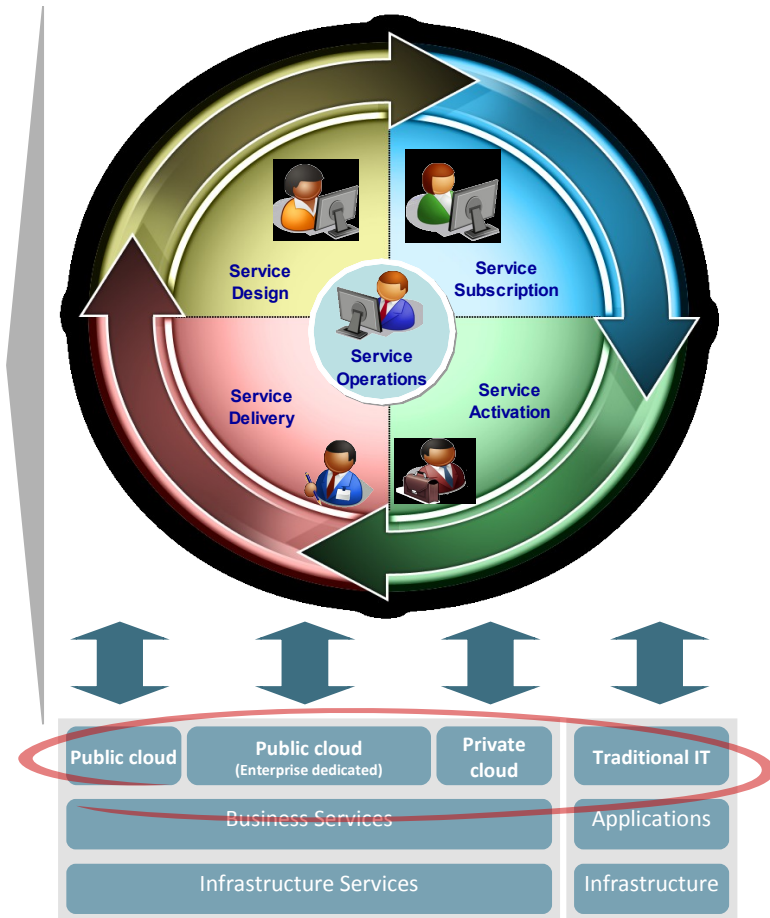
... through a single window with several capabilities...

... delivered using service management in traditional, private & public environments



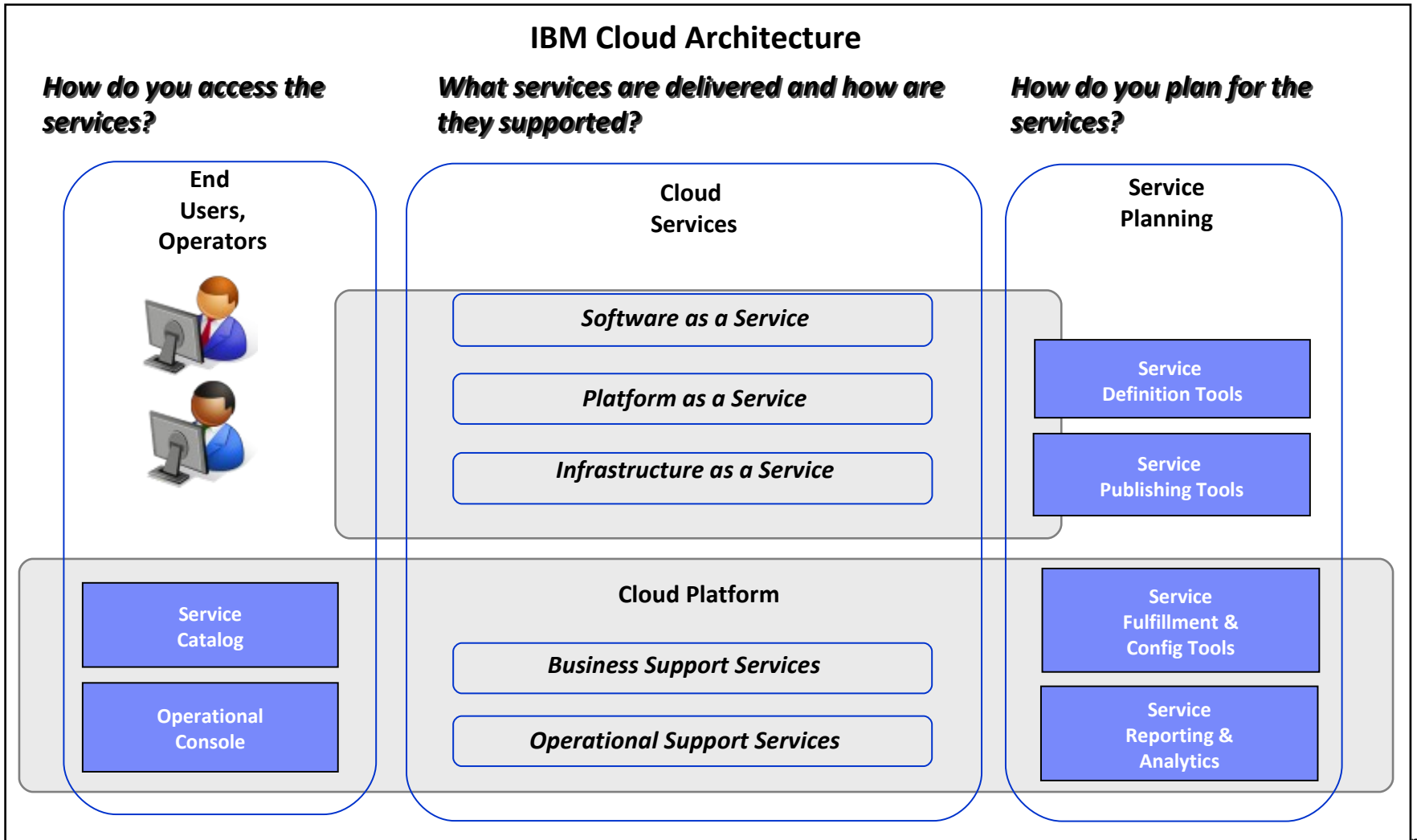
Single window

- Self service portal
- Dashboards
- Reporting
- Services Catalog
- Services Requests



IBM Cloud Architecture

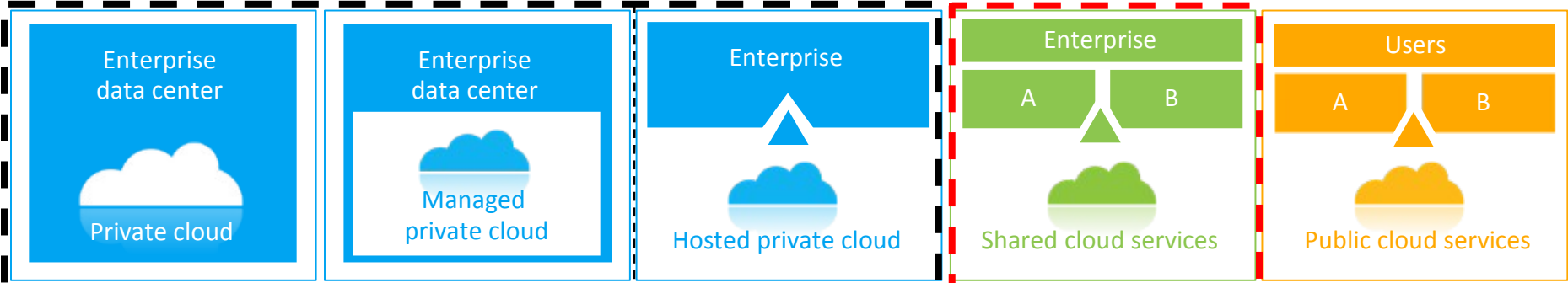
- A complete cloud architecture includes not only the blueprint for the physical components (hardware, network, storage, etc.), but also the software components and the management and operational processes



IBM Cloud delivery models

Private Cloud

Public Cloud



- Private cloud
- Cloud provider implements on client premises
- Can be configured to client specific workflows
- Client runs/ manages

- Private cloud
- Cloud provider implements on client / provider premises
- Can be configured to client specific workflows
- Provider operated

- Cloud provider owned and operated
- Enterprise-only access
- Dedicated resources
- Highest isolation
- Standardized offerings
- Shared facility and cloud management

- Cloud provider owned and operated
- Enterprise-only access
- Shared resources
- VPN/VLAN isolation
- Standardized offerings
- Shared facility and cloud management

- Not offered by IBM
- End-user access (credit card)
- Shared resources

Data resides outside client's firewall

IBM Cloud Computing Offering Summary

Consulting Services supporting Cloud Computing

IBM Infrastructure Strategy and Planning for Cloud Computing
 IBM Networking Strategy and Optimization for Cloud computing
 IBM Strategy & Change Services for Cloud Adoption
 IBM Strategy & Change Services for Cloud Providers
 IBM Testing Services for Cloud



Smart Business on the IBM Cloud



Analytics	Collaboration	Development and Test	Desktop and Devices	Infrastructure Compute	Infrastructure Storage	Business Services
	IBM Lotus Live	IBM Smart Business Dev and Test on the IBM Cloud	IBM Smart Business Desktop Cloud on the IBM Cloud IBM Smart Business End User Support -- Service Assist	IBM Smart Business Compute Cloud on the IBM Cloud Managed Security Services	IBM Information Protection Services IBM Smart Business Storage on the IBM Cloud	BPM BlueWorks (design tools) Smart Business Expense Reporting on the IBM Cloud

Smart Business Cloud



IBM Smart Analytics Cloud		IBM Smart Business Dev & Test Cloud	IBM Smart Business Desktop Cloud	Managed Security Services	IBM Smart Business Storage Cloud IBM Information Protection Services	
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Smart Business Systems



IBM Smart Analytics System		IBM CloudBurst family		IBM WebSphere CloudBurst Appliance	Information Archive	
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Infrastructure services enabling cloud computing

IBM Security Consulting and Vulnerability Services
 IBM Data Center Family Services
 BM Server Consolidation Efficiency Study Services and Tivoli Live Monitoring
 BM Solution Edition for Cloud Computing
 IBM SW Life Cycle Management / Service Management / Business Process Flexibility

Test & Development on IBM Cloud video