

HP CloudSystem

Облачные технологии в современной инфраструктуре

Sergey Sergeev

HP CIS BCS Sales Specialist

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“Порядок – лишь форма представления хаоса...”



unique modern market reality

2020: 4B people online, 31B connected devices, 25M apps



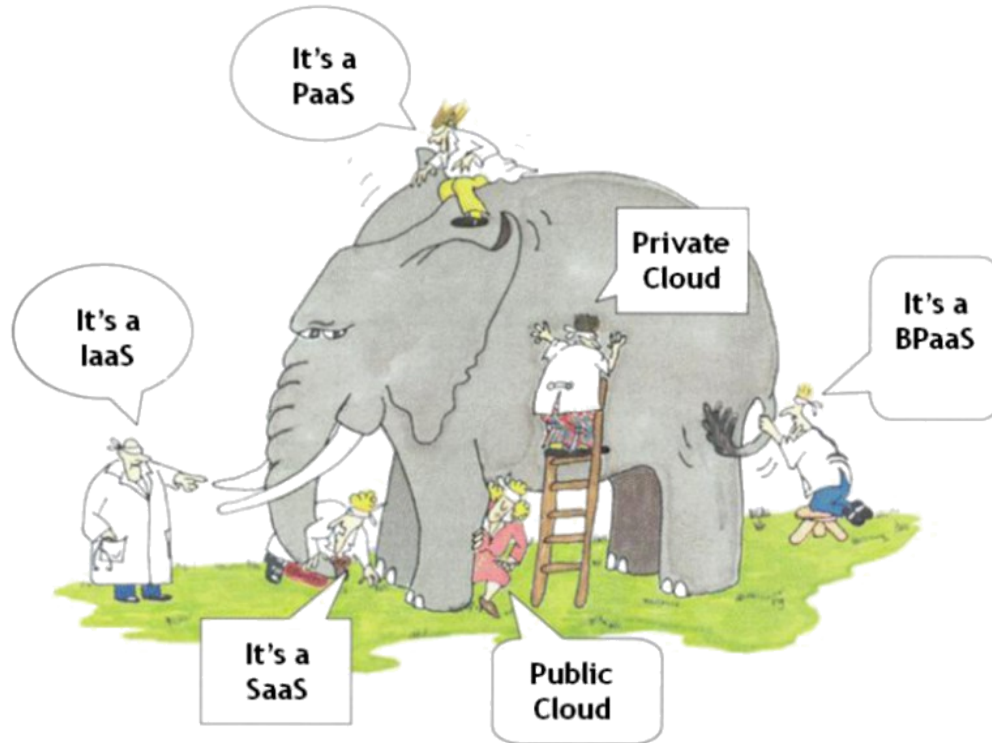
ОБЛАЧНЫЕ ВЫЧИСЛЕНИЯ - ОПРЕДЕЛЕНИЕ

“Облачные вычисления–

это способ предоставления возможности удобного сетевого доступа по запросу к разделяемому набору эластично сконфигурированных вычислительных ресурсов (т.е. –сетей, серверов, систем хранения, прикладных задач и сервисов), которые могут быть быстро подготовлены для пользователей и предоставлены им с минимальными административными усилиями или минимальным взаимодействием с поставителем услуг.”



What is Cloud Computing?



“A style of computing where scalable and elastic IT-enabled capabilities are delivered as a service to external customers using Internet technologies.”

Cloud IT Impulsive Causes

Mostly usual but all at the same time

Key factors

- Client workplace paradigm changing
- IT HW & SW «Zoo
- Uncontrolled growth of unique services
- Abrupt complication of administrating efficiency and IT staff efficiency
- Lack of understanding between core management and IT staff
- Lack of united, really centralized control
- Serious and numerous security violations



The different flavors of cloud computing

Cloud housing and accessibility

Public



- Minimal up-front investment
- Pay-as-you-go
- Risky for secure data
- Ease-of-use challenges

Private



- Behind corporate firewall
- Highly available/flexible
- Requires infrastructure and ongoing maintenance

Hybrid/Federated



- Future model with sharing between private/public
- Immature but promising

Computing model

Examples/Enablers

Software as a Service (SaaS)

- Typically offered in a public model
- Focused on end-user applications



Platform as a Service (PaaS)

- Application development platforms
- Offered as a public and private clouds



Infrastructure as a Service (IaaS)

- Full range of IT service delivery
- Elastic infrastructure for the enterprise
- Often offered in private clouds



What's Driving the Move to Private Cloud...



Promise of Public
Cloud

- Accelerate service delivery
- Enhance operational efficiency
- Align IT spend to business consumption



Very real concerns

- Security
- Control
- Governance



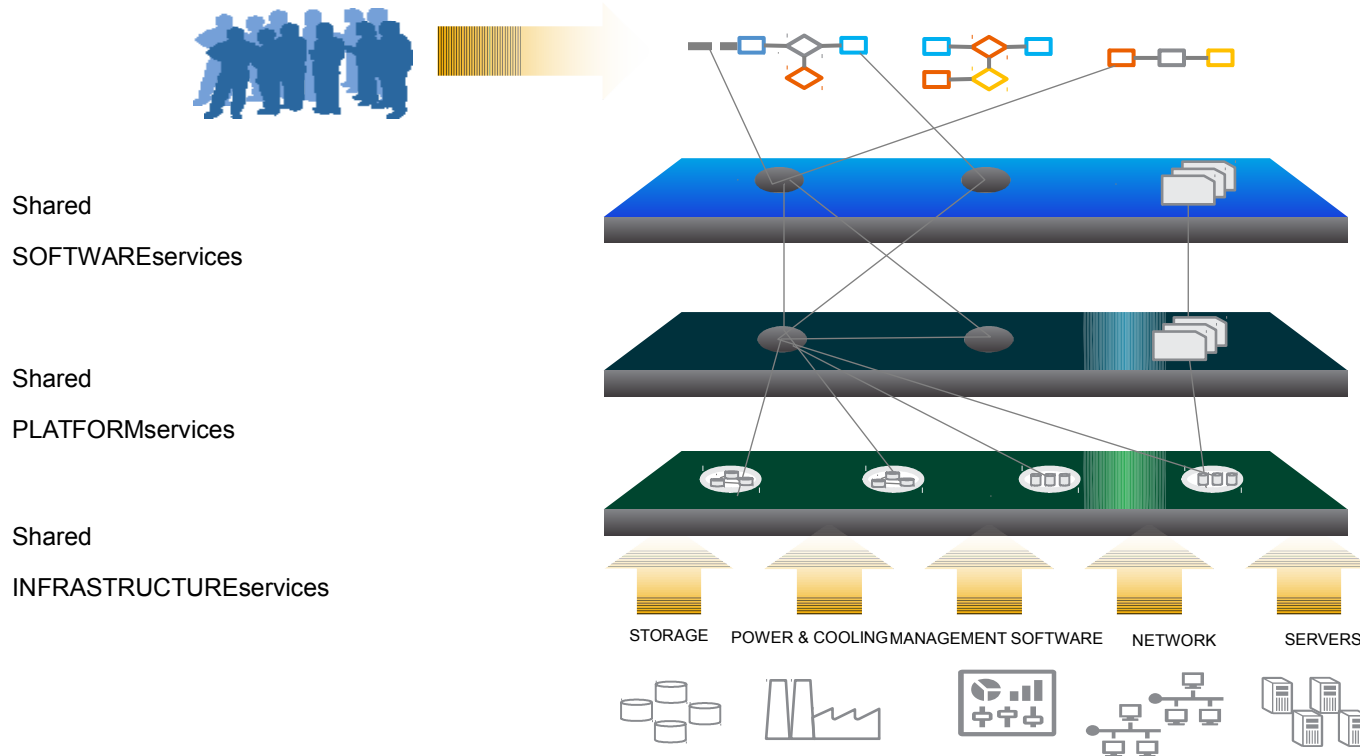
In two years, control, security issues will drive
>70% Clients to deploy or consider Private Cloud⁽¹⁾

HP is the Private Cloud Provider with Converged Infrastructure, Automation Software, and
Services

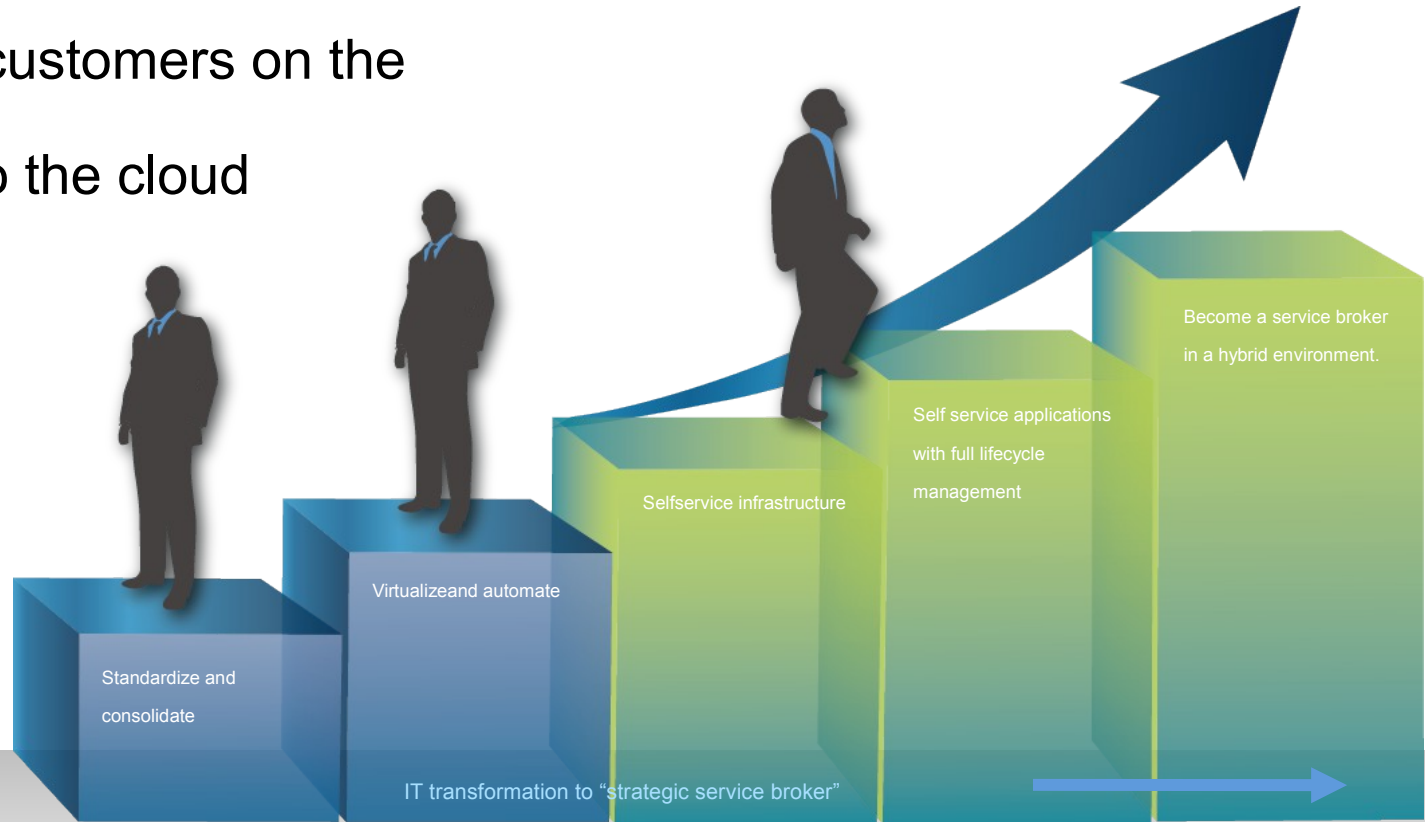


Structure of a private cloud

- Shared, standardized, and scalable services



Leading customers on the journey to the cloud



HP CloudSystem offerings

Built on proven Converged Infrastructure and Cloud Service Automation

HP CloudSystemMatrix(Private, IaaS)



HP CloudSystemEnterprise
(Hybrid, IaaS, PaaS, SaaS)



HP CloudSystemService Provider
(Public, Hosted Private, XaaS)



- Deploy a robust on-premise cloud quickly
- Infrastructure and basic application provisioning in minutes
- CloudStart service offering

- Unify management of all services, both cloud-based and traditional IT
- Advanced application-to-infrastructure lifecycle management
- Highly flexible, scalable, customizable solution

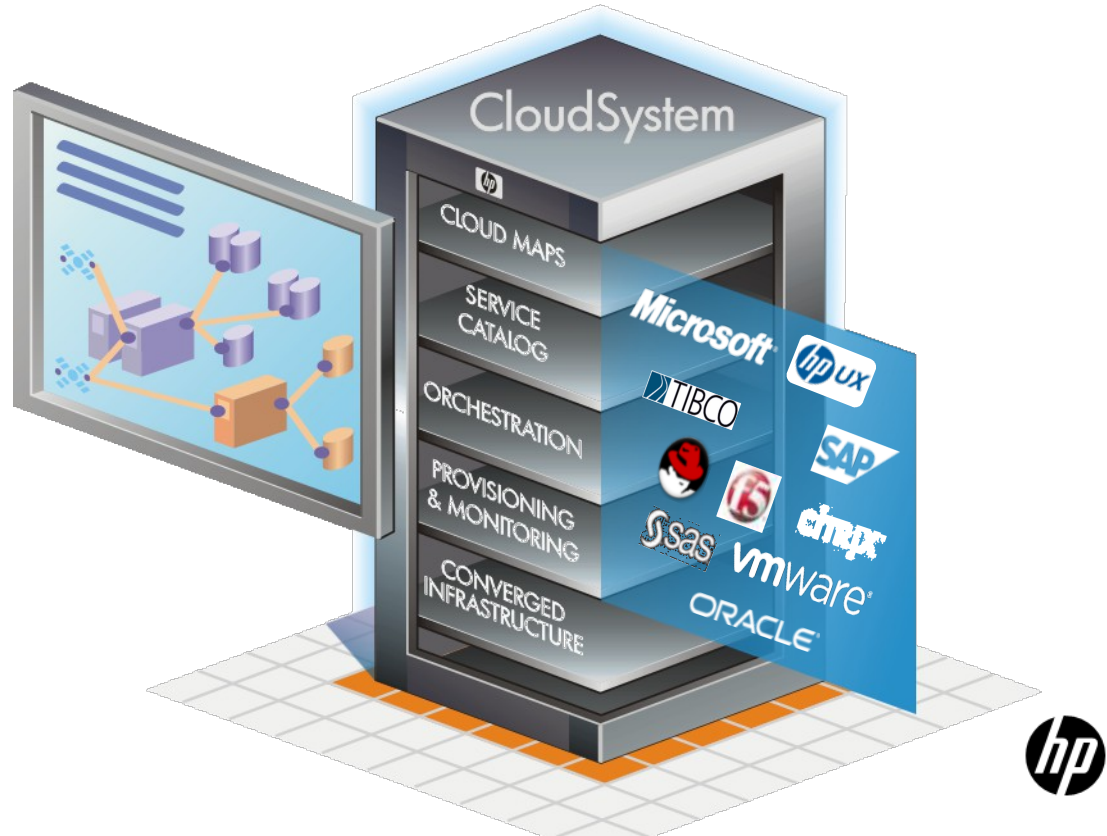
- Aggregate cloud services for public and hosted private clouds
- Optimized for multi-tenancy
- Customer-unique portal experience

HP CloudSystem

The most complete, open, integrated system to build and manage clouds

Key differentiators

- Single services view across
- Multi-hypervisor, multi-OS, heterogeneous infrastructure
- Intelligent automation and lifecycle management application-to-infrastructure
- Scalability and elasticity



Thank you

