Ako začať s Cloud Computingom vo verejnom sektore



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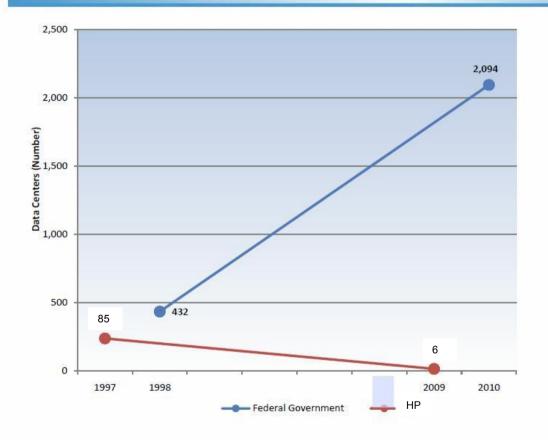
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Goverment Cloud v Spojených štátoch





The Case for Change



Efficiency

- Low asset utilization (server utilization < 30% typical)
- Fragmented demand and duplicative systems
- · Difficult-to-manage

Agility

- Years required to build data centers for new services
- Months required to increase capacity of existing services

Innovation

- Burdened by asset management
- De-coupled from private sector innovation engines
- · Risk-averse culture

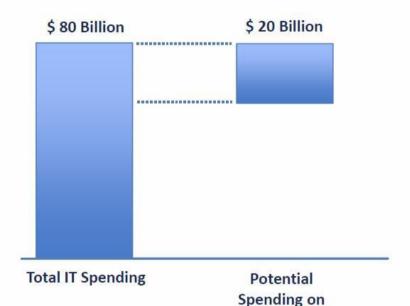


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Federal Government Cloud Computing Potential



Efficiency

- · Improved asset utilization
- Aggregated demand and accelerated system consolidation (Federal Data Center Consolidation Initiative)
- Improved productivity in application development, application management, network, and end-user

Agility

- Purchase "as-a-service" from trusted cloud providers
- Near-instantaneous increases and reductions in capacity
- More responsive to urgent agency needs

Innovation

- Shift focus from asset ownership to service management
- Tap into private sector innovation
- Encourages entrepreneurial culture
- Better linked to emerging technologies (e.g., devices)



Cloud Computing





Kde je priestor pre Cloud Computing?

Prirodzený postup akceptácie Cloud-u

Štandardná dostupnosť Analýzy Web

Podporné
agendy

eLearning

Finančné
transakcie

Riadenie
dopravy

Vysoká dostupnosť (24x7, 99.9% dostupnosť)

Insourcing

Outsourcing



Early Adopters



HHS

Electronic Health

- Reduced time to go live from 1 year+ to 3 months
- Supports more than 100,000 Primary Care Practitioners



Cloud Email Migration

- \$15 M savings
- Migrating 17,000 users
- Eliminating redundant infrastructure at 17 global locations



Dept of Defense

Army Experience Center (AEC)

- Implementation cost 1/20 of estimate to upgrade legacy system (\$54 K vs. \$1 M+)
- Reduced recruiter workforce required to handle the same workload



Recovery Accountability & Transparency Board

Recovery.gov

- \$750 K savings
- Reallocate \$1 M+ to identify fraud, waste, and abuse



Dept of Defense

Air Force Personnel Services Delivery Transformation

- \$4 M annual savings
- Improved customer search times from 20 minutes to less than 2 minutes



Dept of Agriculture Cloud Email Migration

- \$27 M savings
- Migrating 120,000 users
- Consolidating 21 fragmented email systems









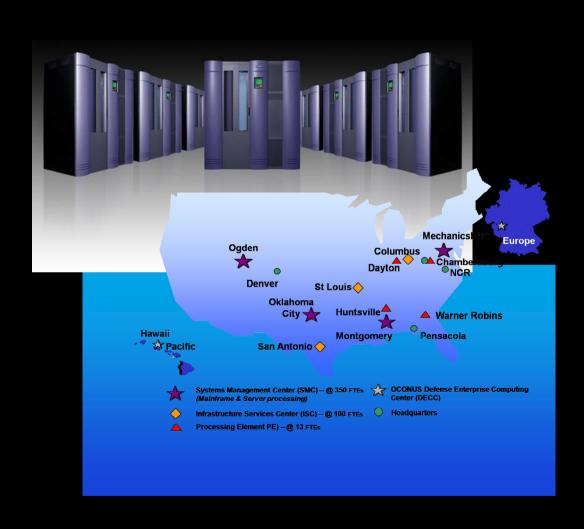
Exponential Growth in Demand

Shifting from asset ownership to service provisioning

CATEGORY	SERVICE EXAMPLES	AGENCY EXAMPLES
Collaboration	Agency-wide email to the cloud	
	Office productivity tools	
Workflow	Employment verification	
	Grants management	
	Claims processing	
	Customer relationship management	
Infrastructure	Public-facing websites hosted in the cloud	(all the second
	 Application development/testing 	
	Content delivery	
	Virtualized data centers	
Business Intelligence	Data analytics	
	Performance management	
Information	Identity management	
Security	Security management services	
		Mary worth



Defense Information Systems Agency (DISA) Computing Services Directorate



4,000,000+ users

13 facilities

445,000 sq ft raised floor

34 mainframes

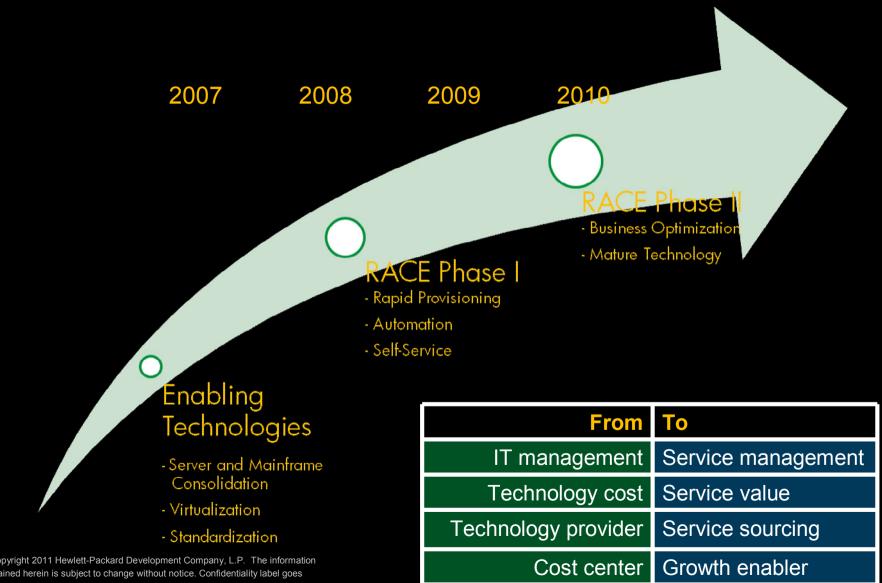
6100 servers

3800 terabytes of Storage

2,800 application / database instances

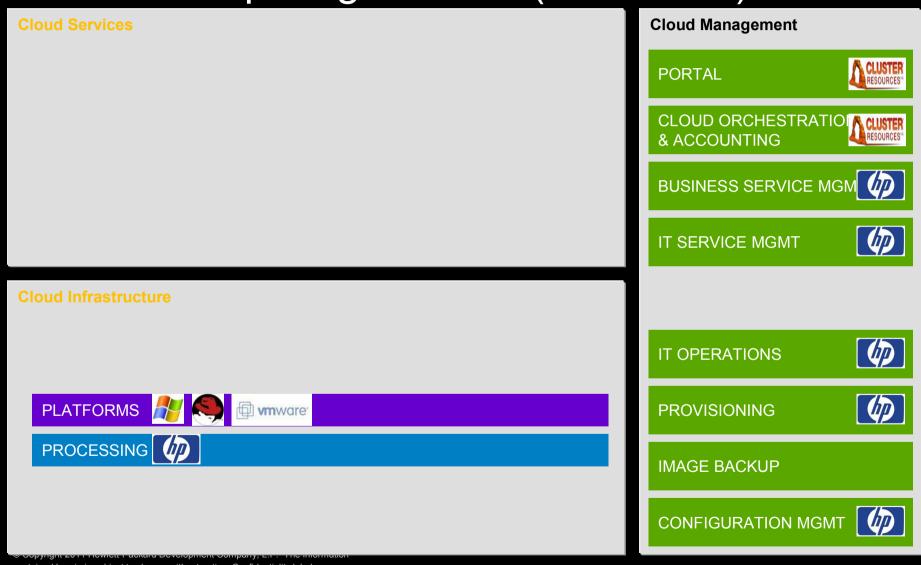
215 software vendors

RACE programme Rollout

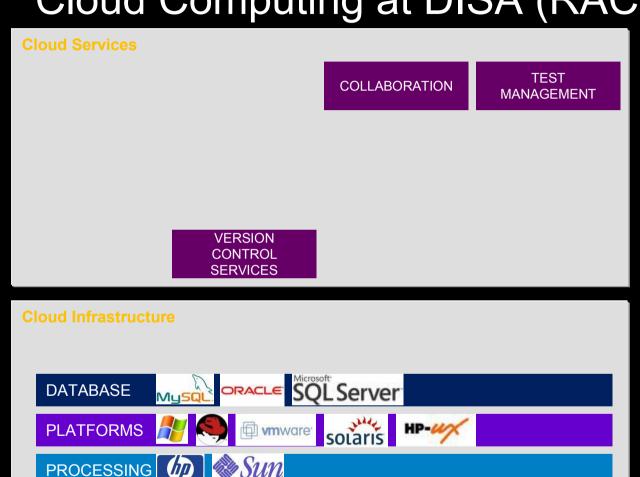


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The Evolution of RACE Cloud Computing at DISA (RACE 1.0)



The Evolution of RACE Cloud Computing at DISA (RACE 2.0)

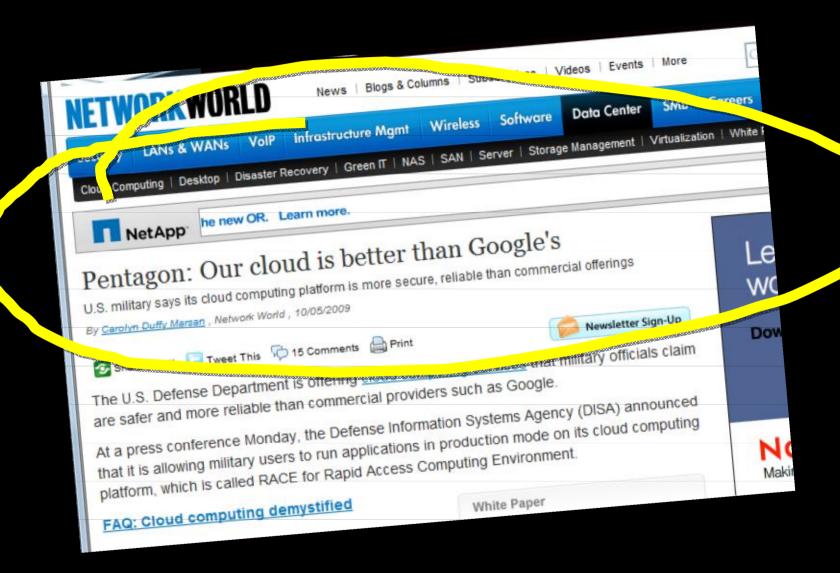


EMC²



NetApp

STORAGE



HP CLOUD LEADERSHIP

Powering the world's largest cloud infrastructures

3 most popular social media properties in the U.S.

4 out of 5 of the world's largest search engines

8 out of 10 of the world's most trafficked web sites

7 out of 10 of the world's largest cloud service providers

Examples



150,000 user laaS Cloud:

- Service on demand
- Predictable OPEX
- Lower CAPEX



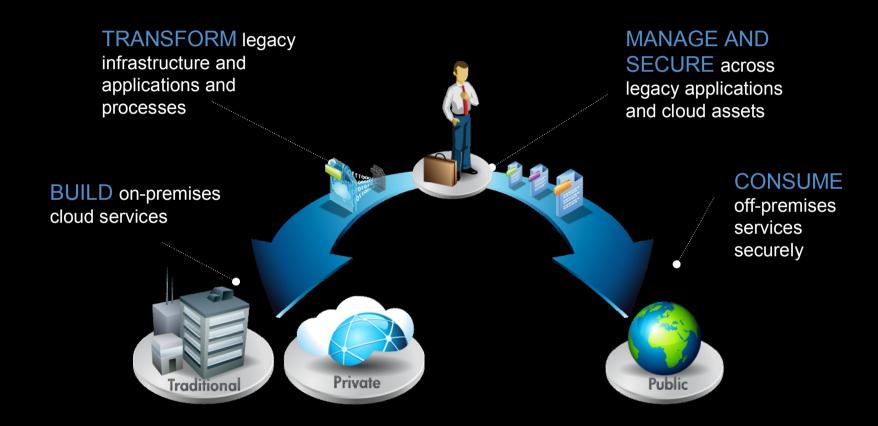
Large SAP SaaS Cloud:

- Up in 1 week
- Increased agility
- Unparalleled price/performance



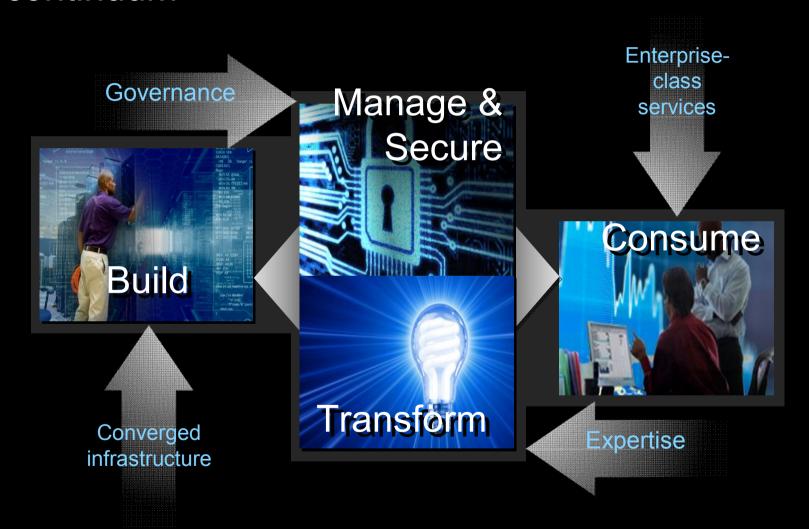
STRATEGIC ROLE OF IT CHANGING

IT becomes the builder and broker of services





HP's strategy addresses the complete cloud continuum



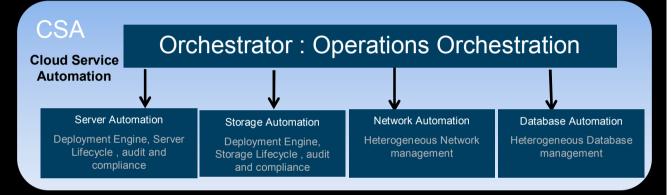
HP Cloud solution overview

Public Cloud for Service providers Aggregation Platform for SaaS

Private Cloud Portal

Self service portal Service Request Catalog





Converged





3rd party HW and

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Ďakujem

