

Evolving security infrastructures for the cloud


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7 July 2010



Cloud Adoption & IAM

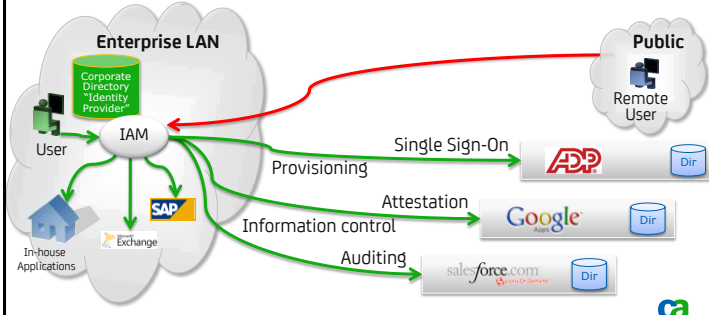
- 1 Extend Enterprise Security To the Cloud
- 2 Security For the Cloud
- 3 Security From the Cloud

Trust Models Will Need to Change



extend enterprise security to the cloud

Enterprises want...
to increasingly use more SaaS applications & cloud services

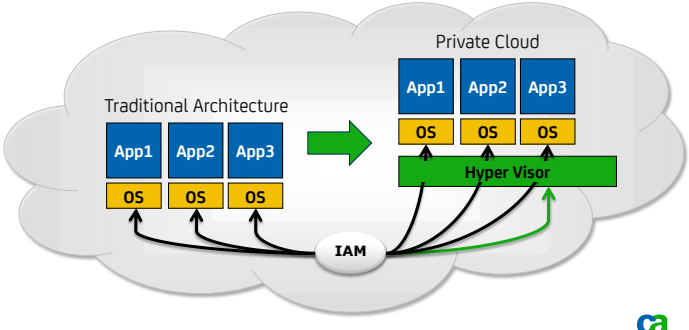


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security for the cloud providers

Enterprises & Service Providers will build their own clouds leveraging virtualization

- Security & management of virtualization will be critical
- Manage complexity with automation and extended policy management



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security for the cloud providers

Public clouds (IaaS, PaaS) need...
to provide security and assurance to potential customers

On-Premise Private Cloud

Public Cloud

Hyper Visor

IAM

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security from the cloud

Cloud-based Identity Management Services will emerge...
as trust model changes & cloud relationships become more complex

Enterprise LAN

IAM as a Service

Strong Auth

Id Verification

Public Remote User

Single Sign-On

Provisioning

Attestation

Information control

Auditing

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integrate security silos for better results

Identity

Data

Audit

Intelligence

Content Aware IAM

Combining identity & data intelligence improves the function & value of an organization's security posture

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securing cloud management
vs.
managing cloud security

ca technologies

security as a *service*

- > Security organisation – a broker of security services
 - Supplier vs. Consumer

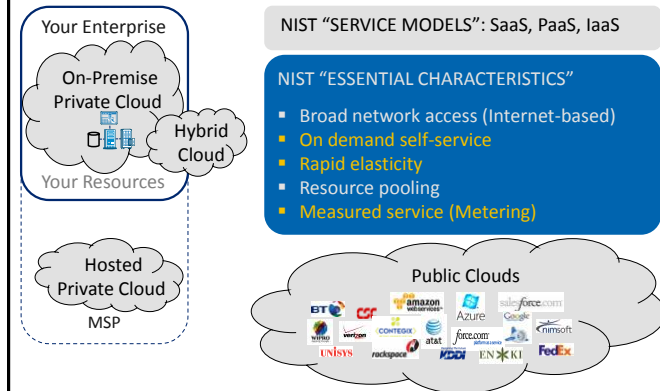
- > Managing security services – more of a concern
 - Security controls are not enough
 - Infrastructure Management (Performance & availability)
 - Service Management
 - IT services vs. business services

- > IT management and security – truly integrated



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cloud computing: a delivery & consumption model

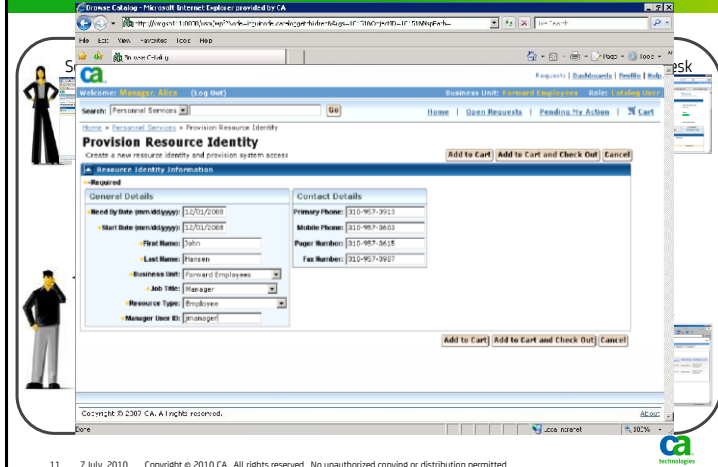


Source: NIST (U.S. National Institute of Standards and Technology)



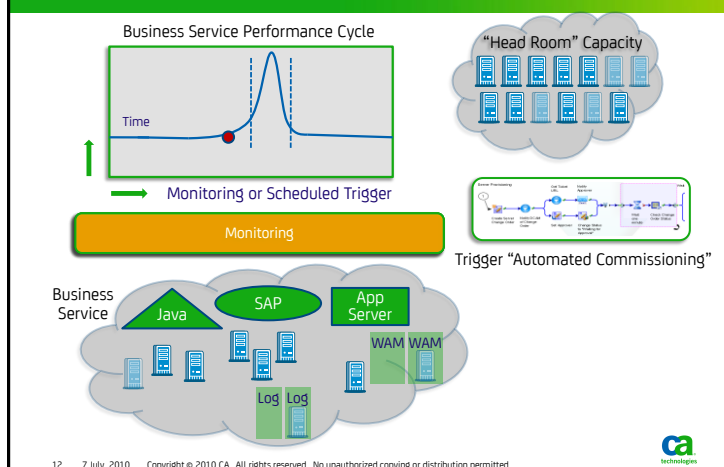
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use case: identity as a service on demand self-service & measured service



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use case: rapid elasticity



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