Security in the Cloud

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Why are companies adopting cloud computing and AWS so quickly?
#1: Agility
The primary reason businesses & governments are moving so quickly to AWS and the cloud
Why does agility matter?
Enterprises & Government Can’t Afford to Be Slow

Old World: Infrastructure in weeks
A Culture of Innovation: Experiment Often & Fail Without Risk
Security is Our No.1 Priority
Comprehensive Security Capabilities to Support Virtually Any Workload

PEOPLE & PROCEDURE
SYSTEM
NETWORK
PHYSICAL

Familiar security model
Validated by security experts
Collaboration on Enhancements

Every Customer Benefits

PHYSICAL SECURITY
NETWORK SECURITY
PLATFORM SECURITY
PEOPLE & PROCEDURES
Enterprise customers are skipping the years of early getting-their-feet-wet, and immediately jumping in with more significant projects, with more ambitious goals...
“Increasingly, organizations are asking what can’t go to the cloud, rather than what can…”
“As 2014 dawns, we’re moving into an era of truly mainstream adoption of cloud…”
SECURITY IS SHARED
WHAT NEEDS TO BE DONE TO KEEP THE SYSTEM SAFE
WHAT WE DO FOR YOU

WHAT YOU DO YOURSELF
EVERY CUSTOMER HAS ACCESS TO THE SAME SECURITY CAPABILITIES

CHOOSE WHAT’S RIGHT FOR YOUR WORKLOAD
CLOUD SECURITY OFFERS MORE

VISIBILITY

AUDITABILITY

CONTROL
MORE VISIBILITY
CAN YOU MAP YOUR NETWORK?

WHAT IS IN YOUR ENVIRONMENT RIGHT NOW?
MORE AUDITABILITY
MORE CONTROL
Defense in Depth

Multi level security

• Physical security of the data centers
• Network security
• System security
• Data security
IDC Survey

Attitudes and Perceptions Around Security and Cloud Services
Nearly 60% of organizations agreed that CSPs [Cloud Service Providers] provide better security than their own IT organization

Source: IDC 2013 U.S. Cloud Security Survey
Doc #242836, September 2013
“Based on our experience, I believe that we can be even more secure in the AWS cloud than in our own data centers”

Tom Soderstrom – CTO – NASA JPL