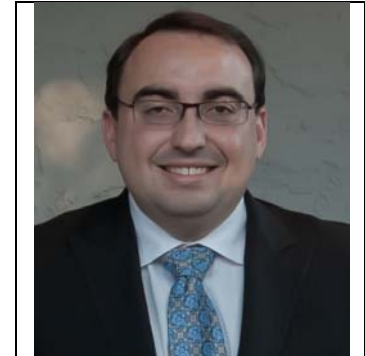


Moving Your Company into the Cloud

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Professional Techniques – P32



Session Abstract

Cloud computing has become an irresistible force in the IT industry, due to the unbeatable efficiencies of warehouse-scale computing infrastructures and the desire of businesses to reduce their CapEx on IT hardware. The most pressing concerns still holding back companies from moving into a public or semi-private cloud environment are security and compliance, and corporate security groups are under pressure to provide solutions that allow their enterprises to benefit from cloud computing technologies while appropriately managing risk.

In this talk, we will review several different cloud computing models and discuss the breakdown of security responsibility in each. We will then deconstruct the currently accepted models of enterprise IT and identify which security controls truly matter for most organizations and which are leftovers from an earlier era of computing. The speaker will then propose several architectures that are implementable in current public cloud providers that provide equivalent or better assurance than traditional IT stacks, and discuss which risks can and should be accepted as part of the new computing paradigm.

Target Audience

The talk will be aimed at the system architecture, risk management and CIO levels of organizations, and will be best absorbed by attendees with enterprise architecture experience.

COBIT Objectives

ME1 – Monitor and evaluate IT performance
ME2 – Monitor and evaluate internal control
ME3 – Ensure regulatory compliance
DS1 - Define and map service levels
DS2 – Manage third-party services
DS5 – Ensure systems security
PO5 – Manage the IT investment
PO9 – Assess and manage IT risks
AI1 – Identify automated solutions
AI5 – Procure IT resources

Speaker Bio

Alex Stamos is a co-founder and CTO of iSEC Partners, Inc. He has been a featured speaker at top industry conferences such as Black Hat, Web 2.0 Expo, CanSecWest, DefCon, SyScan, Microsoft

BlueHat and OWASP App Sec. He holds a BSEE from the University of California, Berkeley.