

The State of Network Security 2014

Security, network operations, application owners and compliance professionals share their concerns and challenges with managing and securing business applications in the network.

Poor Process Continues to be The Achilles Heel of Security Management

Where's the Greatest IT Risk to the Business?

57%

of organizations either struggle to identify vulnerabilities or understand IT risk in a business context

97%

of organizations agree or strongly agree that business stakeholders should be made aware of vulnerabilities in their applications and "own the risk"

Communication Breakdown

18%

said that aligning the development, security and operations groups was their top challenge, an 80% increase from previous year

Who Can You Trust?



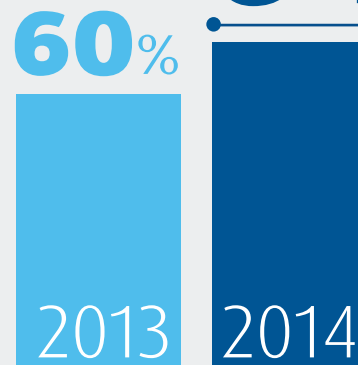
33%

Only 33% of organizations are confident or very confident of their third party provider's capabilities to ensure the highest level of protection

11%

of organizations have no confidence in their provider's ability to ensure the highest level of security

64%



of organizations said time-consuming manual processes, lack of visibility into security policies and poor change management were the greatest challenge of managing network security devices

Security Policy Changes Enable the Business

Over a third of organizations said more than 60% of firewall rule changes are made to enable business application connectivity

BUT

57%

of organizations suffered a data center application outage in the last year due to misconfigured security infrastructure

22%

of organizations suffered 3 or more data center application outages in the last year

AND



82% of organizations suffered an application or network outage as a result of an out-of-process security change

Next-Generation Firewalls Go Mainstream

Adoption of Next-Generation Firewalls



Still Cloudy with a Chance of Adoption

Enterprise-wide adoption is still low, but more movement to the cloud is occurring

Private Cloud

16%

of organizations host a majority of their business applications in a private cloud

73%

of organizations host at least a couple of business applications in a private cloud

11%

of organizations host a majority of their business applications in a public cloud

68%

of organizations host at least a couple of business applications in a public cloud

Public Cloud

Organizations want to get to the cloud, but challenges remain:

84% of organizations expressed concerns with migrating applications to a public or hybrid cloud

37% said the greatest challenge with migrating applications to a public or hybrid cloud is maintaining security.

27% said time and cost to conduct project

20% said ensuring application availability

When it comes to consolidating data centers...

31% of organizations are concerned with ensuring the appropriate access for authorized personnel

29% of organizations are concerned with ensuring the appropriate access for authorized personnel

24% are concerned about identifying the application connectivity requirements

17% said decommissioning old/unused servers is the greatest challenge

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