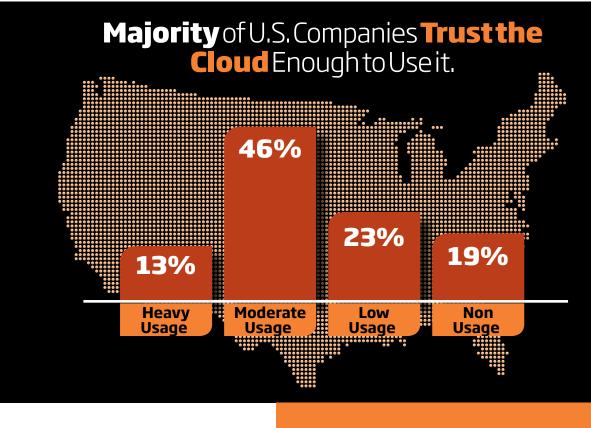
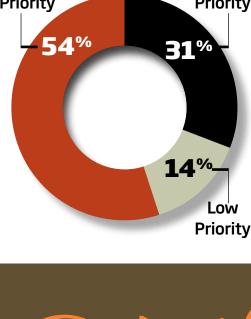
How Secure Is the Cloud?



of IT executives list cloud computing security as a **top priority for** 2012 Middle High **Priority Priority**

More than half



willing to put in the Cloud. **Confidential company** financial data

What companies aren't

Credit card data

Confidential intellectual

property/company trade secrets **Employee HR files**

Customer contact information

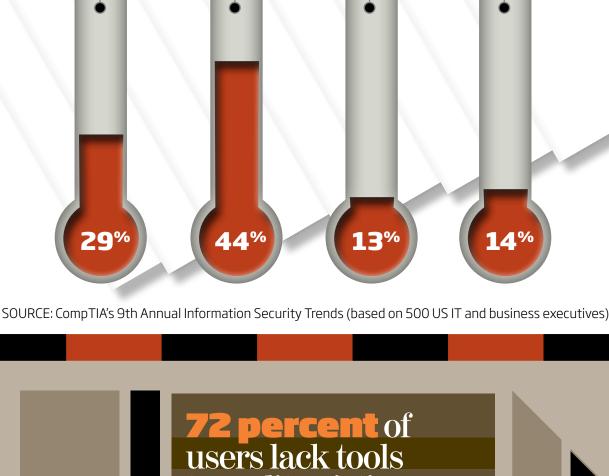
Data covered by regulations (e.g. HIPAA, PCI, SOX)

of IT professionals are confident in cloud provider's ability to provide a **secure** environment.

Little or NO Review Moderate Review Heavy Review Depends

service provider's security policies, procedures and capabilities.

73% of users review cloud



environment.

THE HUMAN FACTOR

SOURCE: LogLogic Big Data and Cloud Survey, January-February 2012

40 percent list failure of staff to get up to speed with new threats such as cloud computing as a cause of human error that

contributes to security breaches and incidents.

to audit existing and future cloud

Serious Concern Moderate Concern More Critical Today No Change/Less Critical Today

*Assessing the Current Risks of the Cloud. • **51%** 45%

37% report

security incidents.



to the cloud

Physical security of cloud service provider

Malicious activity from insiders or privileged

Concerns over encryption of data

- data centers Shared technology vulnerabilities
- Identifying/authenticating users

(e.g. multi-tenant environment)

administrators at cloud providers

Complying with legal/regulatory requirements

security of cloud service providers

Difficulty in assessing and comparing the

How IT Pros

Cloud Servers

My provider does it for me

Amazon security Group

IT Pros say their biggest

cloud security

concern is a lack of

perimeter defenses and/

or network

control.

Manually, using a checklist We're not securing our cloud servers

SOURCE: CompTIA's 9th Annual Information Security Trends (based on 500 US IT and business executives)

Commercial tool

Open Source or custom tool

Wrote my own automation tools SOURCE: CloudPassage Cloud Security Survey of 164 U.S.-based IT

6%

6%

and security professionals.

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31%

21%

20%

10%