ISSUES & TRENDS: CLOUD & SOFTWARE-DEFINED COMPUTING

Positive trend indicators:

- Workloads/services already virtualized: 70%
- Faster deployment: 60%
- Greater tangible benefits and ROI: 50%
- Mission Critical Servers: 45%
- Active Directory/Directory: 55%
- Network: 55%
- Storage: 55%
- Test/Dev Servers: 60%
- Tech companies: 42%
- Business consulting and management firms: 40%
- Emergency services: 35%
- Financial services, banking, insurance, trading: 35%
- Information research and analysis: 35%
- Energy and utilities: 32%
- Education and universities: 32%

Usage will increase for...

- the biggest security gap holding organizations back is the perception of inadequate security, or the fear that it’s not as strong as physical data center security (52%), while, on the other hand, 44% say the problem is split between a lack of solutions, immaturity of offerings, and interoperability issues.

70% say security will be less of an obstacle... However...

Industries most deserving of attention for the way they’ve embraced software-defined computing while maintaining or even exceeding previous levels of security...

- Broad adoption across multiple disciplines and vertical industries.

Top 3 concerns during migration:

- Data breach: 60%
- Infrastructure-wide security & control: 60%
- Effective monitoring and visibility: 55%

Encryption requirements:

- Entire workload: 31%
- Production data in workload: 20%
- Private data/PII only: 17%
- Entire workloads subject to compliance regs: 11%
- Only the data subject to compliance regs: 5%

More information available upon request:

Network virtualization: 50%
Workloads traversing Hybrid Clouds: 40%
Hyper-converged infrastructure: 40%
Public Cloud: 50%

Storage virtualization: 55%

Concern of business and IT professionals: Security.

- Say security will slow down migration: 67%
- Believe there’ll be more data breaches and other security problems: 55%
- Expect more, the same amount of internal compliance and auditing issues: 70%

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In fact, say effective automation—reducing the need for manual processes while ensuring top-tier security—is key to large-scale deployment of SDDC strategies and technologies.

90% say consistent policies can be enforced that align to meet your compliance, security and business needs.

95%