



**January 2016 Cybersecurity Snapshot
Global Results**

www.isaca.org/2016-cybersecurity-snapshot

Number of respondents (n) = 2,920

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1. What do you believe is the likelihood of a cybersecurity attack that disrupts critical infrastructure (e.g., electrical grid, water supply systems) in 2016? *n=2,913*

High	38%
Medium	46%
Low	15%
Unsure	2%

2. Do you believe governments should have backdoor access to encrypted information systems? *n=2,907*

Yes	20%
No	63%
Unsure	17%

3. Of the following threats, which **THREE are of most concern to your organization in 2016? (Please select up to three.) *n=2,920***

Advanced persistent threat (APT)	39%
DDoS	25%
Ransomware	20%
Social engineering	52%
Watering hole	2%
Insider threats	40%
Malware	30%
Mobile malware	19%
Unpatched systems	31%
Cybercrime	32%
None of the above	1%

4. Are you in favor of regulation requiring companies to notify customers within 30 days of the discovery of a data breach? *n=2,911*

Yes	84%
No	8%
Unsure	9%

5. Of the following, what do you think is the greatest challenge companies would face if they needed to notify consumers of a data breach within 30 days of its discovery? *n=2,913*

Increased cost	11%
Not enough human resources	9%
Systems not designed for this	16%
Concern over corporate reputation	57%
Other	7%

6. Are you in favor of the US Cybersecurity Act of 2015, which encourages cyberthreat information sharing between the private sector and government? *n=2,906*

Yes	57%
No	9%
Unsure	14%
Not applicable to my organization	20%

7. If your organization experienced a breach, do you believe it would voluntarily share cyberthreat information as outlined in the US Cybersecurity Act of 2015? *n=2,903*

Yes	31%
No	16%
Unsure	28%
Not applicable to my organization	25%

8. Do you believe privacy is being compromised in the effort for stronger cybersecurity regulation/legislation? *n=2,903*

Yes	59%
No	26%
Unsure	15%

9. Does your organization plan to hire more cybersecurity professionals in 2016? *n=2,905*

Yes, and we expect it will be difficult to find skilled candidates	45%
Yes, and we expect it to be easy to find skilled candidates	3%
No	27%
Unsure	25%

10. In general, when hiring new graduates for entry-level cybersecurity positions: *n=2,906*

It is easy to identify who has an adequate level of skills and knowledge.	21%
It is difficult to identify who has an adequate level of skills and knowledge.	63%
Unsure	16%

11. Would you be more likely to hire a cybersecurity job candidate who holds a performance-based certification (i.e., earning the credential requires a direct demonstration of hands-on cyber skills)? *n=2,914*

Yes	81%
No	6%
Unsure	13%

12. Has your organization experienced a ransomware incident? (Ransomware is a harmful virus that blocks a user from its computer and demands a fee to return to access.) *n=2,802*

Yes	20%
No	64%
Unsure	16%

13. What steps, if any, is your company taking to address the European Union court's invalidation of the Safe Harbor law (select one)? *n=2,803*

Not aware of this	18%
None – waiting to see what happens	14%
Some – developing work around plans	13%
Significant – has changed how our business works	4%
Not applicable	32%
Don't know	19%

14. Which of the following, if any, poses the biggest security risk to your data center environment (select one)? *n=2,792*

Virtualized servers	23%
Virtualized networking	18%
Containers	4%
Non-virtual servers	12%
Not applicable	10%
Don't know	26%
Other	8%

15. How has the risk of insider threats (privileged users) changed in your environment since last year (select one)? *n=2,794*

This year has seen a reduced risk	13%
It has not increased	29%
Minimal risk increase	11%
Some risk increase	23%
Significant risk increase	7%
Don't know	13%
Not applicable	3%

16. Which of the following, if any, has been a response to improving security in the virtualized data center (select all that apply)? *n=2,798*

Air gap different types of workloads (sensitive vs non-sensitive)	21%
Adding two factor authentication	44%
Adding dual person approvals for certain actions	29%
Using a password manager for checking in/out password access to systems	23%
None of the above	12%
Not applicable	10%
Don't know	17%

17. In which country do you live? *n=2,680*

Country	
Argentina	0.60%
Armenia	0.04%
Aruba	0.04%
Australia	2.61%
Austria	0.63%
Azerbaijan	0.07%
Bahrain	0.34%
Bangladesh	0.11%

Barbados	0.15%
Belarus	0.04%
Belgium	1.04%
Bermuda	0.11%
Bolivia	0.11%
Bosnia and Herzegovina	0.07%
Botswana	0.07%
Brazil	0.90%
Bulgaria	0.11%
Cambodia	0.04%
Cameroon	0.04%
Canada	5.82%
Chile	0.22%
China	0.22%
Colombia	0.78%
Costa Rica	0.34%
Cote d'Ivoire	0.11%
Croatia	0.34%
Curacao	0.11%
Cyprus	0.19%
Czech Republic	0.41%
Denmark	0.78%
Dominican Republic	0.19%
Ecuador	0.30%
Egypt	0.19%
El Salvador	0.07%
Estonia	0.11%
Finland	0.56%
France	0.56%
Germany	2.20%
Ghana	0.67%
Greece	0.86%
Honduras	0.07%
Hong Kong	1.68%
Hungary	0.63%
Iceland	0.04%
India	6.04%
Indonesia	0.34%
Iraq	0.04%
Ireland	0.49%
Israel	0.19%
Italy	1.72%
Jamaica	0.19%
Japan	2.39%
Jordan	0.22%
Kenya	0.78%
Kuwait	0.15%
Laos	0.04%
Latvia	0.22%
Lebanon	0.26%

Liberia	0.04%
Lithuania	0.37%
Luxembourg	0.41%
Macau	0.07%
Former Yugoslav Republic of Macedonia	0.15%
Malawi	0.04%
Malaysia	0.49%
Malta	0.19%
Mauritius	0.22%
Mexico	1.34%
Moldova	0.07%
Morocco	0.07%
Mozambique	0.11%
Namibia	0.07%
Nepal	0.07%
Netherlands	2.28%
New Zealand	0.56%
Nicaragua	0.07%
Nigeria	1.53%
Norway	0.26%
Oman	0.34%
Pakistan	0.49%
Palestinian Territories	0.04%
Panama	0.19%
Papua New Guinea	0.04%
Peru	0.41%
Philippines	0.63%
Poland	0.49%
Portugal	0.37%
Puerto Rico	0.22%
Qatar	0.22%
Romania	0.60%
Russia	0.37%
Saudi Arabia	0.41%
Senegal	0.07%
Serbia	0.30%
Sierra Leone	0.04%
Singapore	2.28%
Slovakia	0.30%
Slovenia	0.30%
South Africa	1.01%
South Korea	0.22%
Spain	2.05%
Sri Lanka	0.22%
Sweden	0.97%
Switzerland	1.68%
Taiwan	0.34%
Tanzania	0.30%
Thailand	0.26%

Togo	0.04%
Trinidad and Tobago	0.34%
Tunisia	0.04%
Turkey	0.45%
Uganda	0.15%
Ukraine	0.11%
United Arab Emirates	1.31%
United Kingdom	3.47%
United States	32.16%
Uruguay	0.15%
Venezuela	0.15%
Vietnam	0.15%
Zambia	0.04%
Zimbabwe	0.22%

18. Please indicate your age group: $n=2,786$

18 to 24 years	0%
25 to 34 years	13%
35 to 44 years	29%
45 to 54 years	34%
55 to 64 years	20%
65 to 74 years	3%
75 years or above	0%

19. In what industry do you work? $n=2,799$

Financial/Banking	24%
Insurance	5%
Public Accounting	3%
Transportation	1%
Aerospace	0%
Retail/Wholesale/Distribution	3%
Government/Military	11%
Technology Services/Consulting	24%
Manufacturing/Engineering	4%
Telecommunications/Communications	3%
Mining/Construction/Petroleum/Agriculture	2%
Utilities	3%
Legal/Law/Real Estate	1%
Healthcare/Medical	4%
Pharmaceutical	1%
Advertising/Marketing/Media	1%
Education/Student	2%
Other	6%

20. Which job title is closest to yours? n=2,783

Student	0%
External Consultant	12%
Professor/Teacher	1%
Practitioner	13%
Supervisor	7%
Manager	31%
Director	12%
Vice President	4%
CIO/CISO/CAE	9%
President/CEO	2%
Other	9%

Note: Due to rounding, percentages may not add up to 100.

About ISACA's 2016 Cybersecurity Snapshot Survey

The January 2016 Cybersecurity Snapshot is a global indicator of the current threats, issues and opportunities facing cybersecurity professionals today. Conducted by ISACA, a global association of more than 140,000 IT security, assurance, risk and governance professionals, the January 2016 Cybersecurity Snapshot is based on online polling of 2,920 ISACA members in 121 countries. To see the full results, visit www.isaca.org/2016-cybersecurity-snapshot