





Cybersecurity is an integral part of society security

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Director of Knowledge and Technology center *Cyberchess 2017*



Cybersecurity

- fuzzy concept
- be an important tool in protecting privacy
- preventing unauthorized surveillance



Fundamental to effective cybersecurity

- threats (who is attacking)
- vulnerabilities (the weaknesses they are attacking)
- impacts (what the attack does)



Security of society

Cyber risk could have significant effects on

- national security
- the economy
- the livelihood and safety of individual citizens



Cyber Security Threats



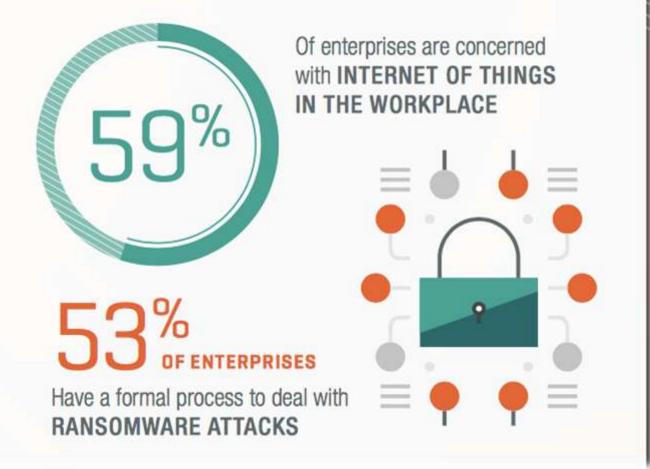
4 IN 5

Think it is likely or very likely that their enterprise will experience a cyber attack this year

0000

53%
OF ENTERPRISES

EXPERIENCED MORE ATTACKS
this year than in the year prior





TRAINING

What organizations spend on **CONTINUING EDUCATION** for security professionals



US \$1,000 per person



US \$1,000-\$2,500 per person

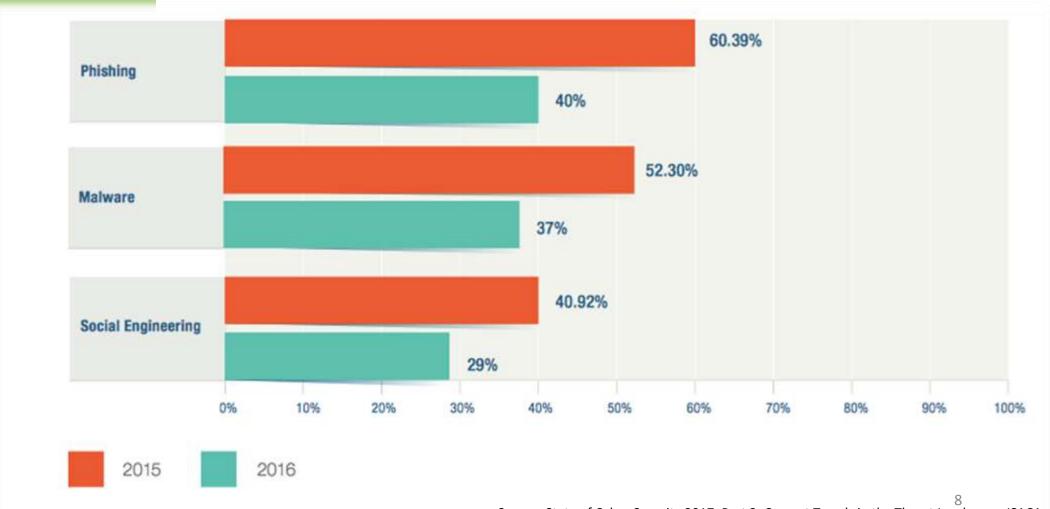


US \$2,500 OR MORE

per person

7

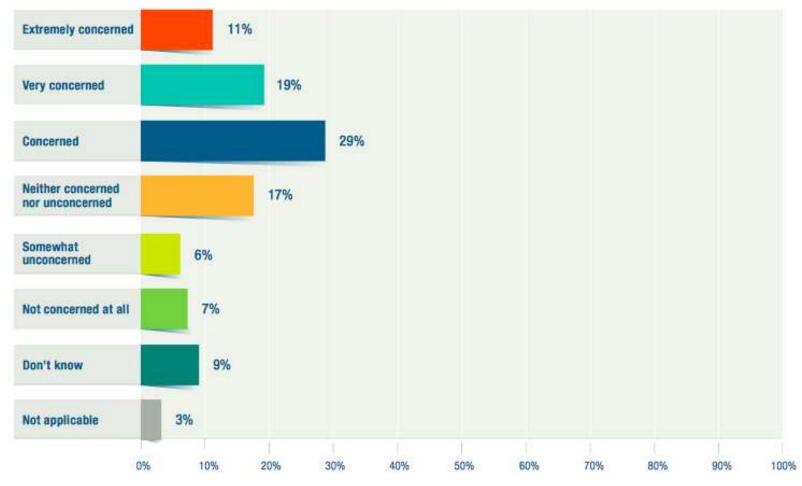
Comparison of current attack types



this is a challenge area it represents an attack surface

IoT and Mobile Threats

How concerned is your enterprise with Internet of Thinks (IoT) in the workplace?





New...

- new threats are emerging
- new mechanisms for conducting cybercrime are prevalent
- new devices in the enterprise, such as IoT systems, are gaining prevalence and reflect an area of concern for practitioners

= cybersecurity staff members need to polish their skills over time!



Hiring Challenges Persist





32% OF ENTERPRISES

report that the time to fill cyber security and information security positions is SIX MONTHS OR MORE.



1 IN 5

organizations get

FEWER THAN 5 APPLICANTS

for an open cyber security position.











GET 20 OR MORE APPLICANTS.

HIRING STATUS

Many are UNABLE TO FILL open cyber security positions in their enterprises:

IN THE US:



CAN FILL OPENINGS



DON'T KNOW



Skills and Certifications in Demand





SAY FEWER THAN 1 IN 4 candidates are qualified

55%

SAY PRACTICAL HANDS-ON EXPERIENCE is the most important qualification for a cyber security candidate.







FOR SKILLED PROFESSIONALS

The number of security professionals who say that fewer than half of job candidates were considered "qualified upon hire" has risen from 50% to 50% in a year.²

SOCIAL MEDIA CYBERSECURITY JOB TRENDS



33.000+

jobs or careers from January through August 2016 alone.*

83% INCREASE

Social media activity strongest in U.S. tech hubs: San



KEY VOICES AMONG THE CONVERSATION INCLUDED:



Woybersecurity unemployment rate at zero. 1 million #cyber jobs open worldwide in 2016



1 in 3 orgs plan to up investment in #cybersecurity staff in 2017, per new @ISACANews survey. Skilled cyber pros are needed more than ever.

CURRENT STATE OF THE CYBERSECURITY JOBS MARKET



the average growth rate of all occupations.



report information, present visit arenal social copyrighter occurrily dense
CREATE 1. 2013 Foreign and Francisco Center (TRE) Stream Report 2. 2019 Foreign and Cost of Data Stream Stream Analysis
2019 Agreed SS-CAVIDA State of Cyberpocoutry Dady 4. Stream each distalation second of US content from January 1st to August 21st

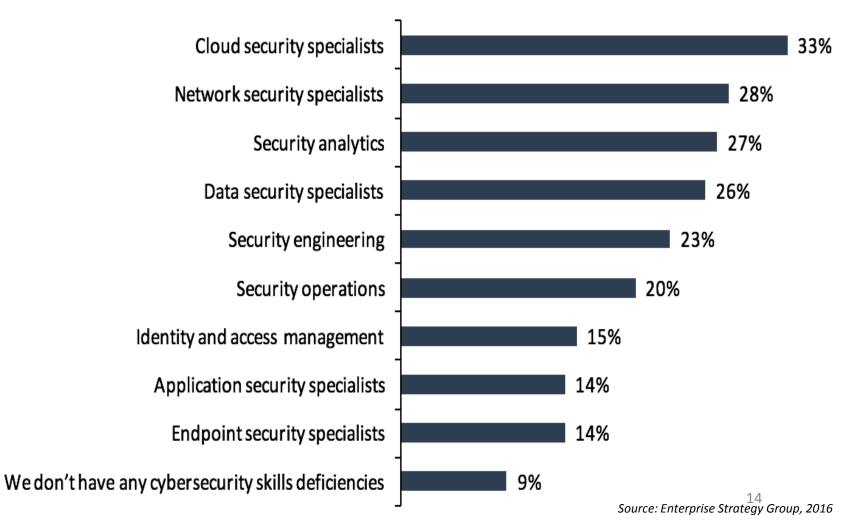






Cybersecurity Areas with Biggest Skills Deficiency

Which areas of cybersecurity would you say that your organization has the biggest skills deficiency? (Percent of respondents, N=299, three responses accepted)





Cyber Crime Analyst / Investigator





Vidzeme University of Applied Sciences

Vidzeme University of Applied Sciences is an **internationally** recognisable regional **platform**

- for higher education
- science
- -knowledge transfer and ideas leadership

offering an **ecosystem** of the digital era for versatile options in acquiring professional higher education and carrying out interdisciplinary research, giving a **proactive** response to the challenges of the society.



Vidzeme University of Applied Sciences

- Science is our 2nd skin
- Virtual reality
- Strat-com
- Cybersecurity



Multidisciplinary approach to the bachelor and masters degree studies!







Knowledge and Technology center

- Challenges
- Future vision



