

CYBERSECURITY THREATS

RANK AS BIGGEST CHALLENGE IN 2017: IEEE SURVEY

Online security threats will be the biggest challenge for Chief Information Officers (CIOs) and Chief Technology Officers (CTOs) this year (45 percent), followed by the speed of technological change (18 percent) and regulation or compliance (11 percent), according to an IEEE survey of 300 U.S., U.K. and India CIOs and CTOs.



DEVICE OVERLOAD

The global Internet of Things (IoT) market and installed base of connected devices -- smartphones, tablets, sensors, printers, vehicles and more -- is expected to increase dramatically to 30.7 billion devices in 2020¹, all potentially vulnerable to cyberattacks.



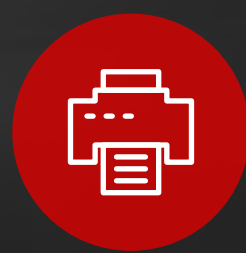
SMARTPHONES



TABLETS



SENSORS

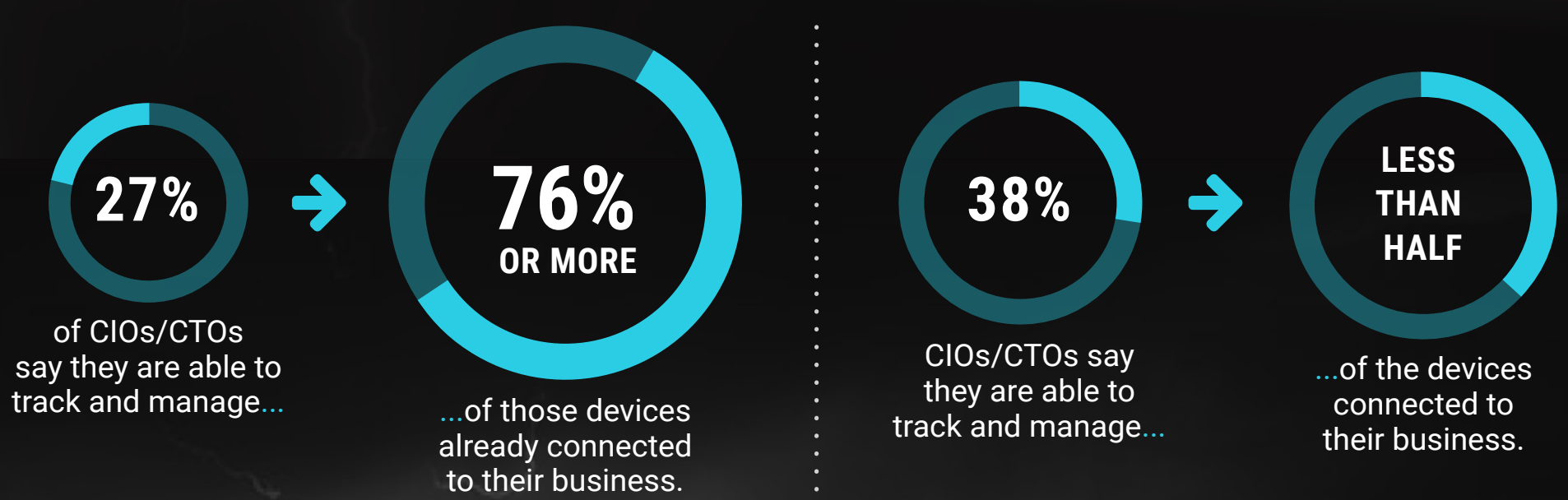


PRINTERS



VEHICLES

Today, there are already so many devices connected to businesses that:



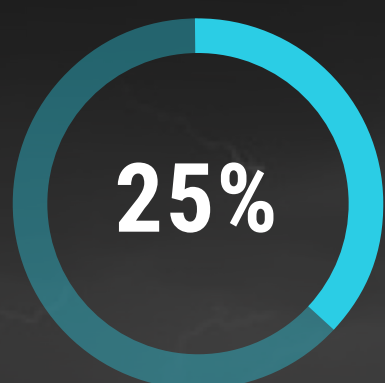
TOP CYBERSECURITY THREATS

Workers are increasingly mobile, driving the growth of portable primary work devices. As such, among the top two concerns of CIOs and CTOs are cloud vulnerability and security issues related to employees bringing their own devices to work.

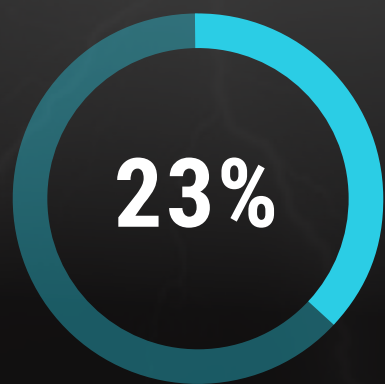
Other concerns include IoT security and mobile device vulnerability.



MAJOR CONCERNS



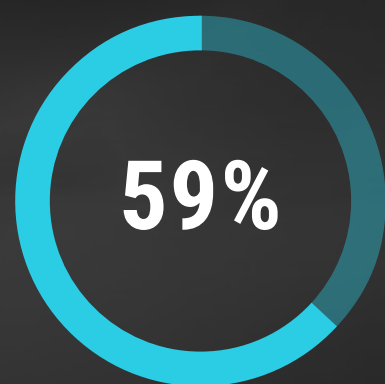
COORDINATED ATTACKS



IoT SAFETY

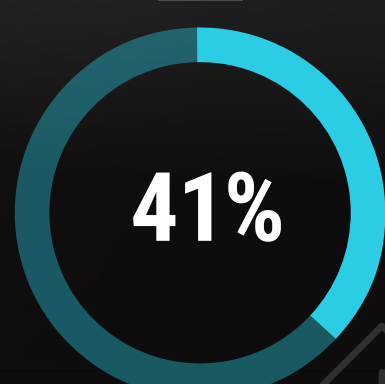
CONSIDERATIONS

If given an extra \$5 MILLION USD, CIOs/CTOs would invest in:



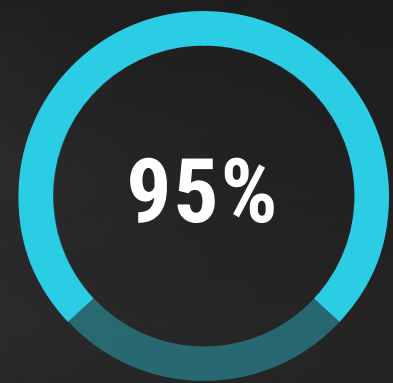
PROTECTING INFRASTRUCTURE

VS



RESOURCES & GROWTH

PREPARATIONS

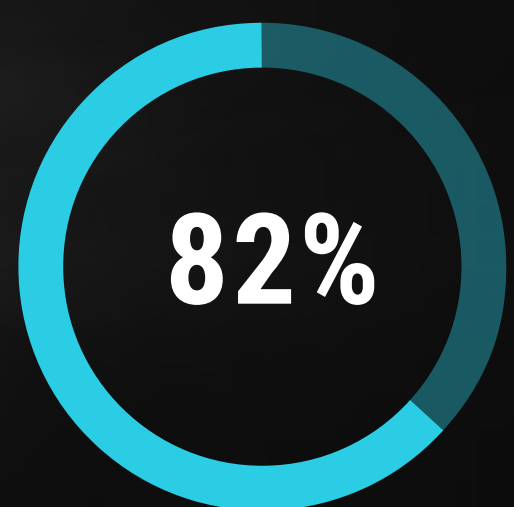


OF CIOs/CTOs FEEL BETTER PREPARED TO RESPOND TO A DATA BREACH, COMPARED TO A YEAR AGO

HACKING FOR GOOD

Whether highlighting flaws in order to improve security as a "white hat" hacker, teaching children to code, or through hackathons that unite coders and designers to expose problems before a public software release,

A STRONG MAJORITY OF CIOs AND CTOs BELIEVE HACKING CAN BE USED IN A POSITIVE WAY



To learn about cybersecurity vulnerabilities and advances, visit transmitter.ieee.org/ieee-cyber-security



¹ HIS Technology: IoT platforms: enabling the Internet of Things <https://cdn.ihs.com/www/pdf/enabling-IOT.pdf>

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