CIRCADENCE

How To Do More With Less

Leveraging existing cyber teams to strengthen cybersecurity environments

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Our Goal

Continuously assess and enable your cyber teams to strengthen your security posture and defeat evolving cyber threats.

Experts project

3.5 Million

Cybersecurity positions will be unfilled by 2021*

*www.cybersecurityventures.com/jobs/

Invest in Cybersecurity

Today's cybersecurity leaders struggle to find and retain their top talent making it difficult for companies to keep up on the latest cybersecurity threats and attacks. Without healthy cyber teams who understand the thinking of hackers today, companies are opening themselves up for attacks. But how exactly can CISOs do more with less when it comes to strengthening its cyber teams?

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This E-Book Will Cover

Why development of cyber team skills is critical to a company's security posture.

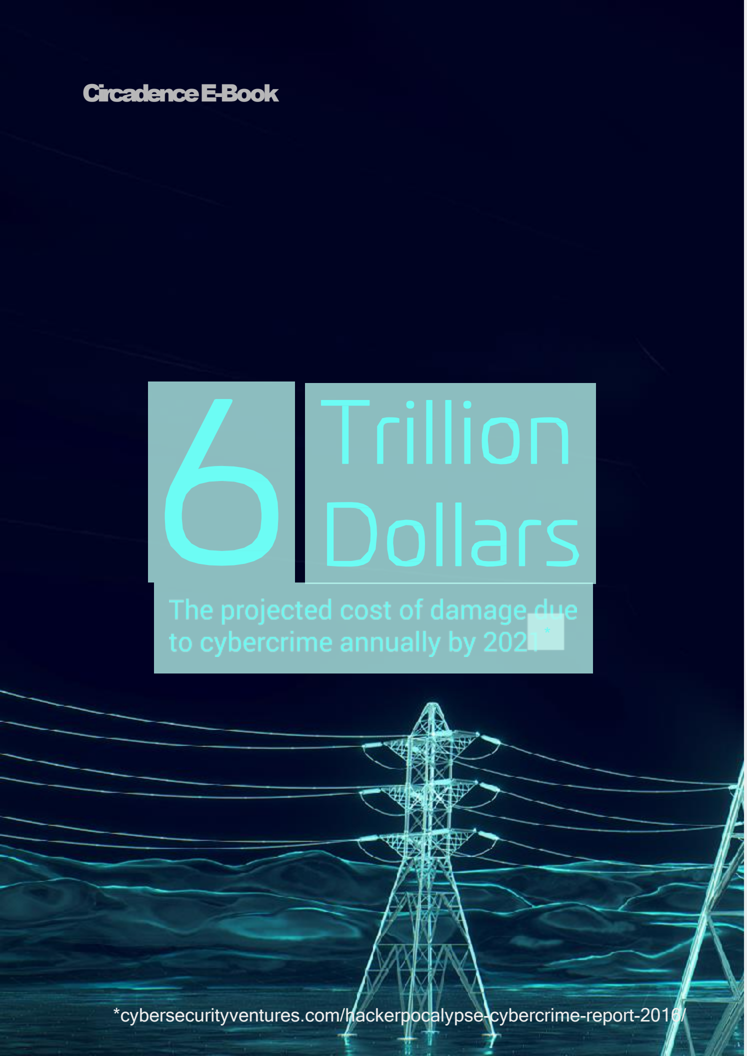
How to cultivate a cyber team that is dedicated to continuous improvement.

What to look for in a cyber training program in order to maximize ROI.

Chapter 1

Understanding The Risks

Not having an adequately trained cyber team can leave your company vulnerable to a lot of risks that might otherwise be avoidable.



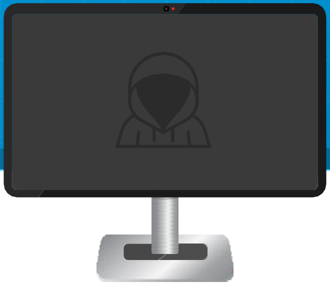
6 Trillion Dollars

The projected cost of damage due to cybercrime annually by 2021*

*cybersecurityventures.com/hackerpocalypse-cybercrime-report-2016/

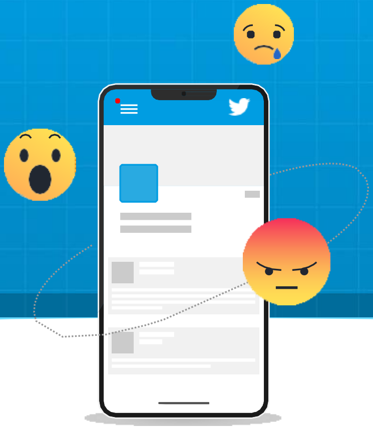
Knowing What To Look For

Sometimes it's easier to know what you don't want, than what you do want. So, let's start by understanding the consequences of not having a skilled cyber team in place.



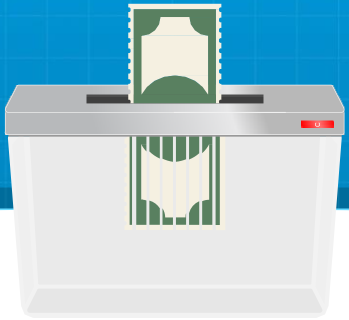
Risk 1: Cyber Vulnerability

Your company is vulnerable to future security breaches and compromised data, creating internal chaos among cyber teams attempting rapid remediation.



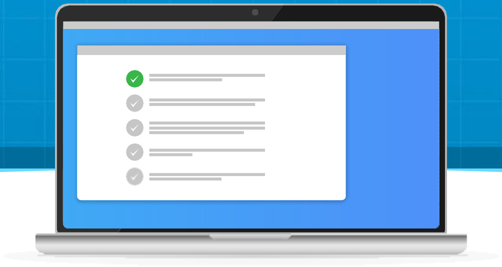
Risk 2: Reputational Damage

Damage to your company's reputation can result when negative news is issued about a cyberattack on your company, diminishing customer trust.



Risk 3: Financial Losses

Financial losses incur from investigating how the attack happened, depleting resources for other business risk management needs.



Risk 4: Increased Workload

Without implementing more efficient processes to mitigate organizational risk, cyber professionals become overworked and **unsatisfied.**

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Chapter 2

Building And Training Your Cyber Team

Approach cybersecurity training as an investment in the enablement and retention of your company's cyber talent to strengthen your company's overall security posture.

Set Expectations When Hiring Cyber Talent

When hiring new cyber talent, let them know during the interview process that they are expected to be "students of the business," meaning they're never done learning about the latest developments in the industry.

In addition to proactive monitoring of industry shifts on their end, onboarding processes can also communicate the expectation. Inform potential candidates of systems in place to help them meet this expectation.

Tactically, things like monthly or quarterly newsletter/ email roundups detailing the latest industry happenings lowers the barrier to entry, too.

35%

of core work-related skills will change by 2020*

*www3.weforum.org/docs/WEF_Future_of_Jobs.pdf

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U.S. companies spent

$93 **Billion**

on cyber training in 2017*

Traditional Training Minimizes Effectiveness

Traditional cyber training occurs in a classroom-based setting. It usually requires teams to travel outside of the **office, incur expenses, involves staffing/skills coverage** for the individual(s) absent for training, etc. It pulls defenders off the front lines and leave the organization more vulnerable to attack.

*www.gartner.com/en/newsroom/press-releases/2017-08-16-gartner-says-worldwide-information-security-spending-will-grow-7-percent-to-reach-86-billion-in-2017

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Traditional Environments Promote Passive Learning

Most training programs use passive-learning techniques to communicate information to students. This means verbal lectures, textbook reading, demonstrations, and no opportunity for application of absorbed material.

These statistics tell us that this kind of training approach isn't working—but that's because cyber leaders don't know what to look for in the right kind of training program. Fortunately, that's why you downloaded this e-book, isn't it?

People forget

90%

of what they learn after one month*

*www.worklearning.com/2010/12/14/how-much-do-people-forget/

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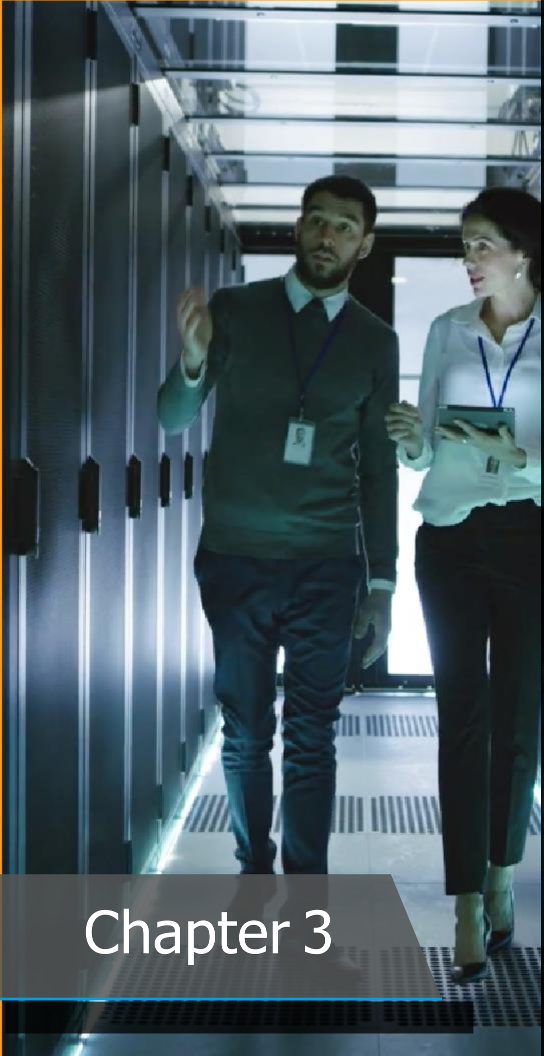

Chapter 3

Modern Cyber Training

Continuous learning envionments combined with hands-on state of the art training technologies can lead to more effective learning environments.

What do you look for in a modern cyber training program?

Active Learning Applications

Active-learning involves engagement through activities such as exploring, analyzing, communicating, creating, reflecting and using new information for experiences in scenarios. It’s a “learn by doing” approach that increases critical thinking skills, enables learners to show initiative, encourages problem-solving, and meets varying learning styles.

The Value Of Active Learning

Several sources have detailed the value of an active learning approach. We've based our own product, Project Ares®**, on this very concept because of the benefits it has produced for our customers. The top-level benefits of** active learning include:

- ↑ Increased Productivity
- ↑ Improved Quality
- ↑ Improved Employee Engagement and Satisfaction
- ↓ Lowered Costs
- ↓ Reduced Employee Turnover

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Gamification

The concept of gamification is emerging as an approach to enhance learning and information retention. Here are some of the benefits of a gamified approach to learning:

- **Engagement and sense of control and self-efficacy**
- Adoption of new initiatives
- Personal satisfaction and information retention
- Development of personal and organizational capabilities and resources

80%

of learners say they would be more productive if their work was more game-like.*

*eleaminginfographics.com/gamification-in-elearning-infographic/

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24/7 Access, Anywhere, Anytime

Cyber leaders should look for a training platform that is available online or accessible via company servers and on mobile, and tablet devices to support cyber professionals’ busy lifestyles. Allowing them to train anytime, anywhere lessens the pressure to stay on top of the latest threats, gives them the freedom they want, and puts the power of enablement in their hands, on their terms—empowering them so they want to train—not because they have to.

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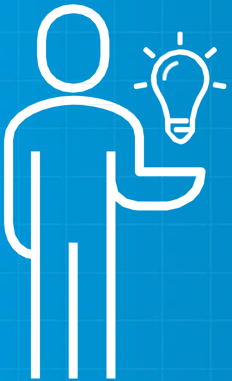
Chapter 4

Taking A Holistic View Of Your Cyber Team

Assess Your Cyber Team

To understand where and how your current cyber team contributes to the overall security posture of the organization, try the following to help justify the need for training in your organization.

1. Interview current teams about what skills they want to learn/develop to help them do their jobs better.
2. Aggregate historical security issues and detail causes and remediations for communicating situational awareness and gaps in cybersecurity processes.
3. Assess how current tools and systems are being used to confirm/deny smart spending strategies.
4. Revisit your recovery plan to ensure relevancy and utility.
5. Add a cyber security policy to your company's approach beyond a compliance checklist.



Enable your cyber teams and they will thank you for it.

Summing It Up

We understand budgets are tight and resources scarce, but your cybersecurity teams are, in many ways, your company’s immune system, and without the proper training to ensure their “health,” companies should expect severe losses as a result.

It won’t be easy, but the long-term benefits will bring forth immediate value when overall business risk is managed, thanks to smart decision-making to train cyber teams on **active-learning, 24/7 accessible, gamified platforms.**

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We’re Ready To Help Cyber Teams Do More With Less

For a full in-depth overview and demonstration of how Circadence’s next generation training and assessment solutions can amplify human cybersecurity defenses against existing and emerging threats, reach out to us.

www.circadence.com/contact

303-413-8800

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About Circadence

Circadence® Corporation is a market leader in next-generation cybersecurity education and training. Circadence has leveraged its history of software advancement, multi-player game development, and a deep understanding of application optimization to offer Project Ares, the only fully- immersive, AI-powered cybersecurity training and assessment platform in the market today.

Now in India

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