Too Many **Threats**

MORE THAN
550 MILLION
RECORDS WERE BREACHED IN THE FIRST HALF OF 2016 ALONE.[1]

$4 MILLION:
AVERAGE COST OF A **DATA BREACH** IN 2016.[2]

32%
OF ECONOMIC CRIME AFFECTING ORGANIZATIONS IS **CYBERCRIME** MAKING IT THE SECOND MOST REPORTED.[3]

201 DAYS
WAS THE MEAN TIME TO **IDENTIFY A DATA BREACH IN 2016**, WHILE THE MEAN TIME TO **CONTAIN A DATA BREACH WAS 70 DAYS.**[4]

97%
OF IT DECISION MAKERS SAY THEIR ORGANIZATION'S BOARD OF DIRECTORS NOW **VIEWS CYBER SECURITY AS IMPORTANT.**[5]

2017 Cyber Security Skills Gap

Cyberattacks are growing, but the talent pool of defenders is not keeping pace.

Although attacks are growing in frequency and sophistication, the availability of sufficiently skilled cyber security professionals is falling behind. ISACA's Cybersecurity Nexus (CSX) is addressing this gap by creating a skilled global cyber security workforce. From the Cyber Security Fundamentals Certificate for university students to CSX Practitioner—the first vendor-neutral, performance-based cyber security certification—and new security training programs, CSX is enabling cyber security professionals at every stage of their careers, and helping enterprises develop strong cyber work forces.

Too Few **Professionals**

THE DEMAND FOR **INFORMATION SECURITY PROFESSIONALS** IS EXPECTED TO GROW BY
53% BY 2018.[6]

32%
OF SECURITY PROFESSIONALS SAY IT TAKES **SIX MONTHS OR MORE TO FILL CYBER SECURITY POSITIONS** IN THEIR ORGANIZATIONS.[7]

MORE THAN
7 IN 10
DECISION MAKERS REPORT THE **SHORTAGE IN CYBER SECURITY SKILLS** DOES DIRECT AND MEASURABLE DAMAGE TO THEIR ORGANIZATIONS BY MAKING THEM **MORE DESIRABLE HACKING TARGETS.**[8]

48%
OF ORGANIZATIONS GET **FEWER THAN 10 APPLICANTS FOR CYBER SECURITY POSITIONS.**

64% SAY FEWER THAN HALF OF THEIR CYBER SECURITY APPLICANTS ARE QUALIFIED.[9]

60% & 72%
OF MEN **OF WOMEN**
REPORT THAT NO HIGH SCHOOL TEACHER OR COUNSELOR MENTIONED **CYBER SECURITY AS A CAREER.**[10]

SOURCES: 1. 2016 H1 Breach Level Index, Gemalto, September 2016. 2. 2016 Cost of Data Breach Study: Global Analysis, IBM and Ponemon Institute, June 2016. 3. PwC Global Economic Crime Survey 2016. 4. 2016 Cost of Data Breach Study: Global Analysis, IBM and Ponemon Institute, June 2016. 5. Hacking the Skills Shortage: A study of the International Shortage in Cybersecurity Skills, McAfee, May 2016. 6. Demand to Fill Cybersecurity Jobs Booming, Peninsula Press, March 2015. 7. ISACA's 2017 State of Cyber security Study. 8. Hacking the Skills Shortage: A study of the International Shortage in Cybersecurity Skills, McAfee, May 2016. 9. ISACA's 2017 State of Cyber security Study. 10. Securing Our Future: Closing the Cyber Talent Gap, Raytheon and NCSA, October 2016.

CSX CYBERSECURITY NEXUS

ISACA®
Trust in, and value from, information systems

https://cybersecurity.isaca.org

HOW DO WE CLOSE THE GROWING SKILLS GAP IN THE CYBERSECURITY FIELD?

Cyber attacks are increasing in sophistication and frequency, yet the shortage of skilled technical professionals has continued to grow exponentially.

How has this gap continued to widen, leaving organizations at risk?

- The workforce has been traditionally focused on a more generalized security education and compliance-based concepts versus advanced, technical cyber security training.

- Organizations lacking skilled technicians are unable to handle inevitable breaches, properly detect and contain the damage, identify weaknesses in their environments and respond appropriately.

- Skilled cyber security professionals are hard to come by, and it's even harder for employers to validate that they have the actual technical savvy and skill to do the job from day one.

CSX™ BY ✦ISACA®
CYBERSECURITY NEXUS

ISACA®'S CYBERSECURITY NEXUS™ [CSX] IS THE SOLUTION

Your Premier Source For Cyber Security Knowledge and Expertise.

The need for skilled cyber security professionals continues to grow, but so do the opportunities to move ahead in the field. To help address the global cyber security skills crisis head on, ISACA® has created Cybersecurity Nexus™ (CSX).

CSX is helping shape the future of cyber security through cutting-edge thought leadership, as well as training and certification programs for the professionals who are leading it there. Building on the strength of ISACA's globally-recognized expertise, it gives cyber security professionals a smarter way to keep organizations and their information more secure.
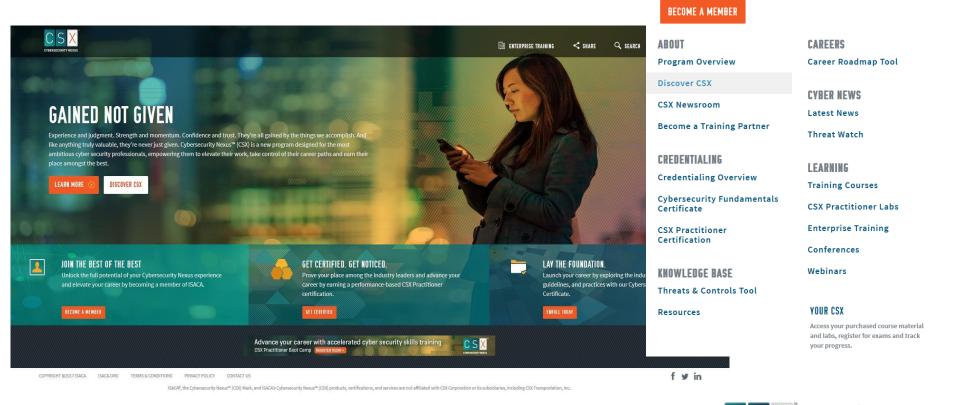
WE' RE HELPING BUILD A BETTER WORKFORCE WITH A HOLISTIC CYBERSECURITY PROGRAM

CSX is designed to help fortify and advance the industry by educating, training and certifying a stronger, more informed workforce that can keep organizations and their information secure—now and in the future. CSX is the only "one-stop shop" for all things cyber security. You'll find just the right guidance, training and educational events to meet your needs, no matter where you are in your career.

Membership
Professional, student and academic advocate memberships, local chapters

Credentialing and Training
Skills-based training programs, performance-based certification

Education & Conferences
Workshops, webinars, CSX North America, CSX Europe, CSX Singapore, CSX Cairo

Resources & Publications
Books, whitepapers, journal articles, blog posts, studies, thought leadership

Career Development
Cyber Security Career Roadmap

THE CSX WEBSITE ISTHE PREMIER PLACE FOR PROFESSIONALS TO TURN FOR ALL THINGS CYBER SECURITY

Our website is the main hub for our holistic Cyber Security Nexus program. Explore all that CSX has to offer at **https://cybersecurity.isaca.org**
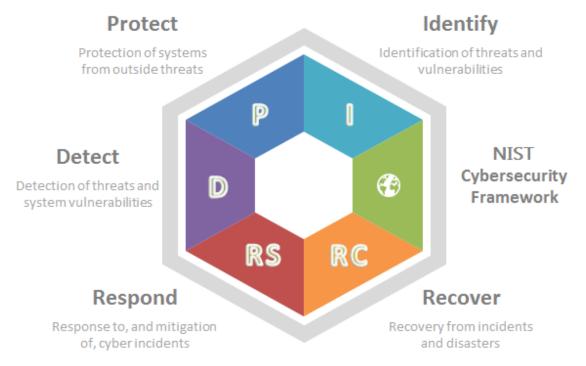
CSX CREDENTIALING AND EDUCATIONAL PROGRAMS ALIGN WITH GLOBAL FRAMEWORKS

CSX programs align to existing global cyber security frameworks, including the National Institute of Standards and Technology's (NIST) Cybersecurity Framework. Our training programs help build knowledge and skill in the following cyber security areas in varying degrees of complexity, and our Cybersecurity Fundamentals Certificate exam and CSX Practitioner exam test the candidate's knowledge and ability to perform tasks within these areas.

Protect
Protection of systems from outside threats

Identify
Identification of threats and vulnerabilities

Detect
Detection of threats and system vulnerabilities

NIST Cybersecurity Framework

Respond
Response to, and mitigation of, cyber incidents

Recover
Recovery from incidents and disasters

CSX CYBERSECURITY NEXUS BY ISACA

Our holistic program starts with the knowledge-based Cybersecurity Fundamentals Certificate for those who are new to the profession or looking to change careers, and centers on our performance-based CSX Practitioner certification.

For those looking to move into a more managerial role, our Certified Information Security Manager® (CISM) is an ideal solution.

GLOBALLY-RECOGNIZED CREDENTIALS

CSX CYBERSECURITY
FUNDAMENTALS CERTIFICATE

CSXP
Certified Cybersecurity Practitioner
2016 SC Magazine
Award Winner for Best
Certification Program

CISM Certified Information
Security Manager*
An ISACA* Certification
2014 SC Magazine
Award Finalist for Best
Certification Program

CSX BY ISACA
CYBERSECURITY NEXUS

EXPLORE. EXCHANGE. EXCEL.

CSX 2017 NORTH AMERICA
CYBERSECURITY NEXUS
AN ISACA CYBER EVENT
2 – 4 October | Washington, DC, USA

CSX 2017 EUROPE
CYBERSECURITY NEXUS
AN ISACA CYBER EVENT
30 October – 1 November | London, UK

Join the leading cyber security experts from around the world during three global CSX Conferences in 2017. Each conference will offer a large number of highly-insightful sessions, led by the top names in the industry and covering the most current knowledge, skills and tools available. You'll leave with insights and takeaways for every level of expertise and experience, and enjoy outstanding networking and social events while you're there.

Don't miss special events like:

➢ Women in Cyber   ➢ Cyber Hacking Competition
➢ Sessions for Students   ➢ And more!

CSX offers a wide range of additional resources to help you keep up with the latest trends in cyber security and advance your career:

Onsite Training
- - - -

Let us come to you and train your entire team — and eliminate costly travel and time away from the office. Our CSX Practitioner courses and Boot Camp are offered onsite with CSX instructors leading lecture and hands-on skill development in a virtual "cyber lab" environment. Cybersecurity Fundamentals is also available on-site for instruction in the foundational concepts of cyber security.

Online Courses & Events
- - -

Learn at your own pace 24/7 with the Cybersecurity Fundamentals online course . Grab a colleague and catch a talk from an industry expert over lunch with our monthly CSX Webinar Series. Or join us for an all-day virtual conference – attend solo or with an entire group of coworkers.

Research & Publications
- - -

Stay up-to-date on the latest research and thought leadership from CSX and industry experts. You'll find a full range of books, whitepapers, surveys & studies, articles, news and more on the CSX website. Members enjoy discounts on paid publications , and there are a wide variety of free tools and content available.

Workshops
- - -

Gain in-depth knowledge and hands-on training during CSX workshops offered before or after many ISACA conferences and events. It's a great way to add additional training without adding additional travel expense, if you're already planning on attending the conference.

CSX BY ISACA
CYBERSECURITY NEXUS

Discussie

Hoe kan ISACA NL het beste de aansluiting maken tussen CSX en Audit?