

ENISA Cybersecurity Skills ConferenceUse Cases – Professional Associations

Clar Rosso

(ISC)² CEO

This is (ISC)²



Largest nonprofit
membership association
of certified cybersecurity
professionals





















Work with businesses and governments to build certifications that meet market needs



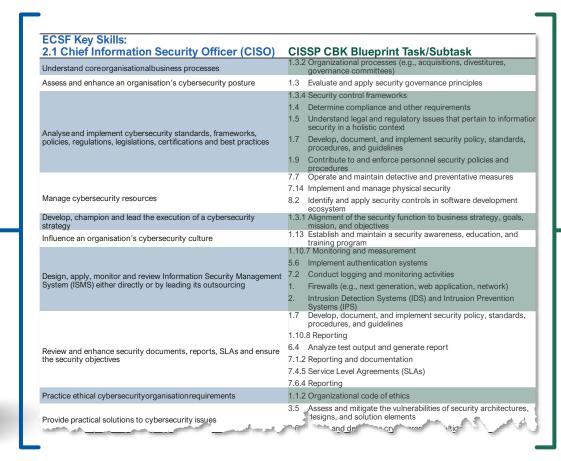
Provider of lifelong professional education

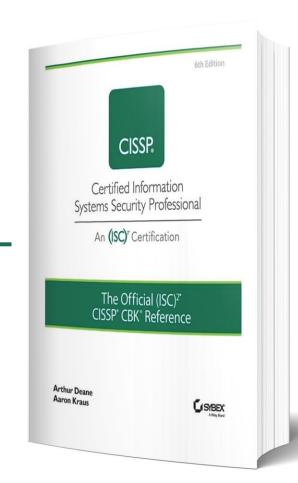


Global advocate for ethics, growth and success of the cybersecurity profession

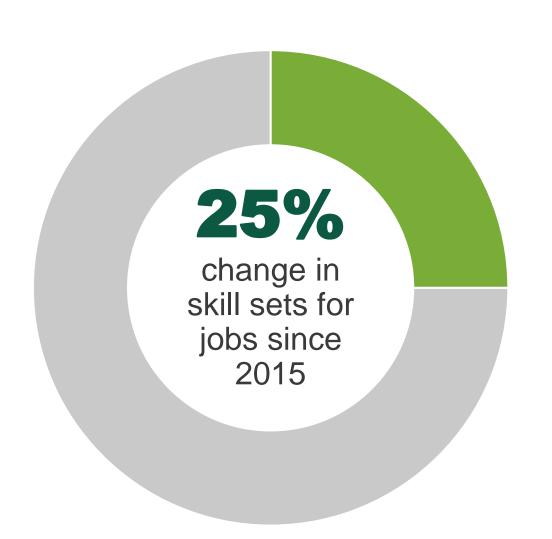
The European Cybersecurity Skills Framework Aligns Closely With the CISSP Common Body of Knowledge

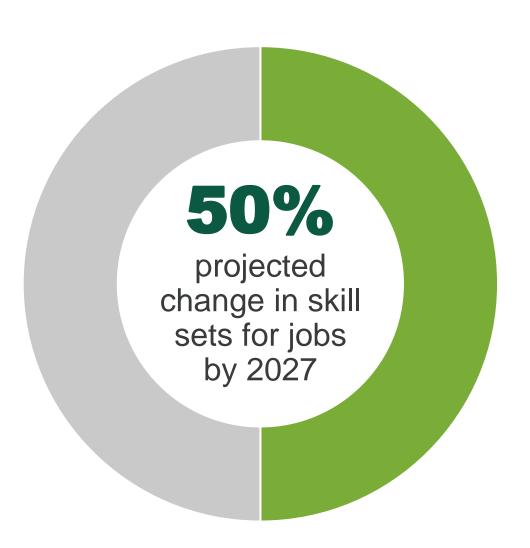




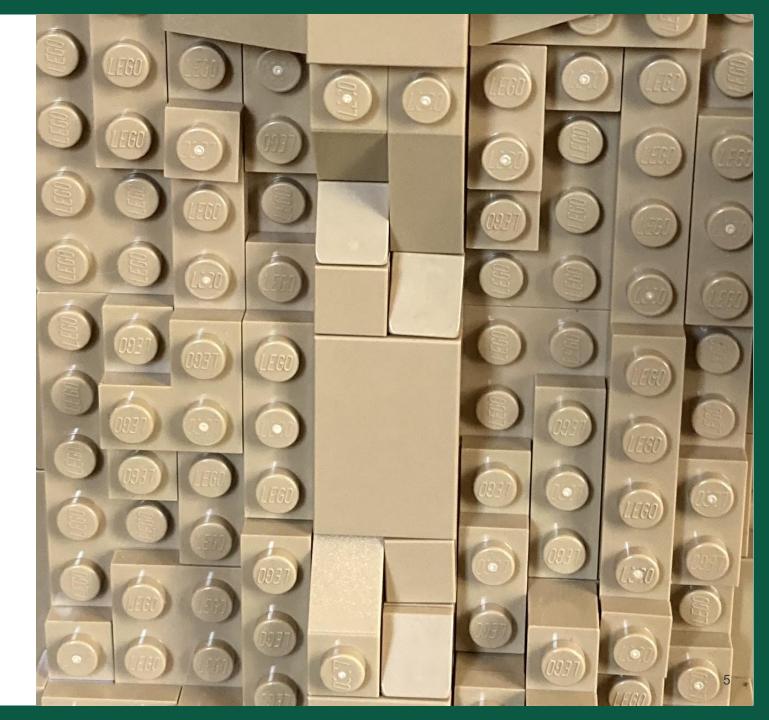


Why skills frameworks matter.

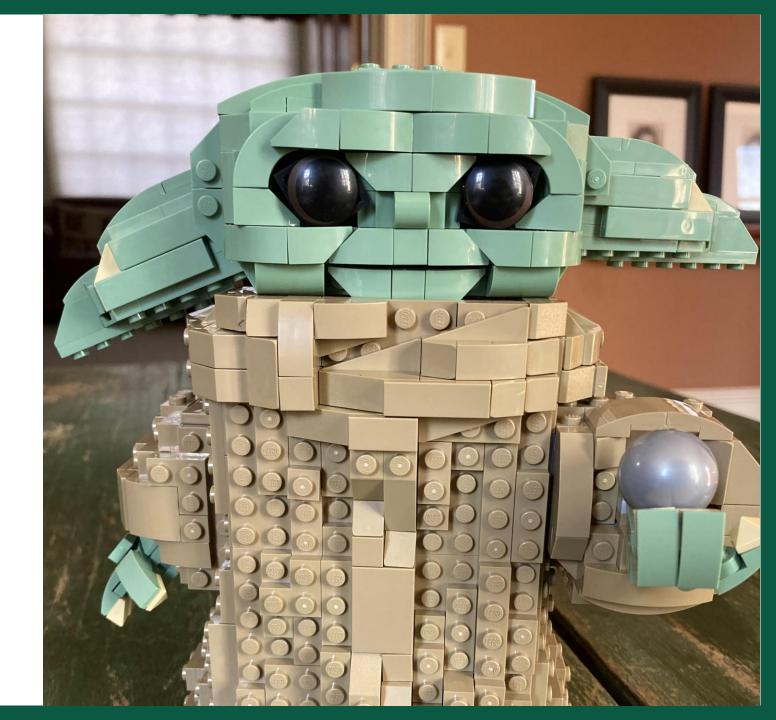




The Value of Frameworks

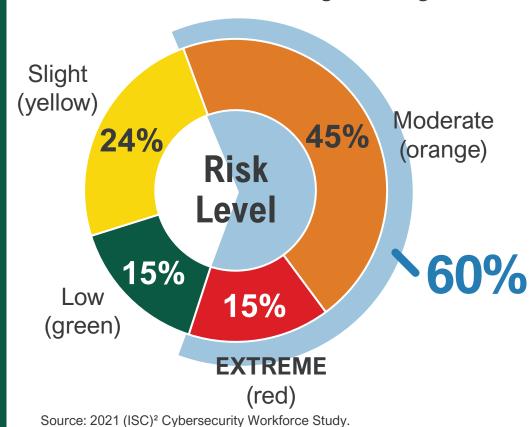


The Value of Frameworks



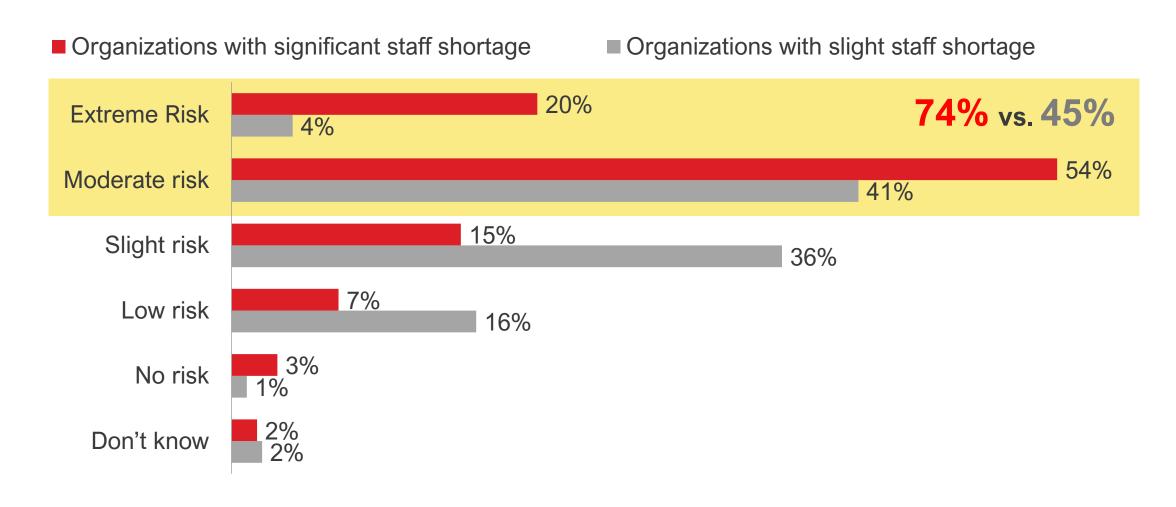
The Gap Puts Organizations at Risk

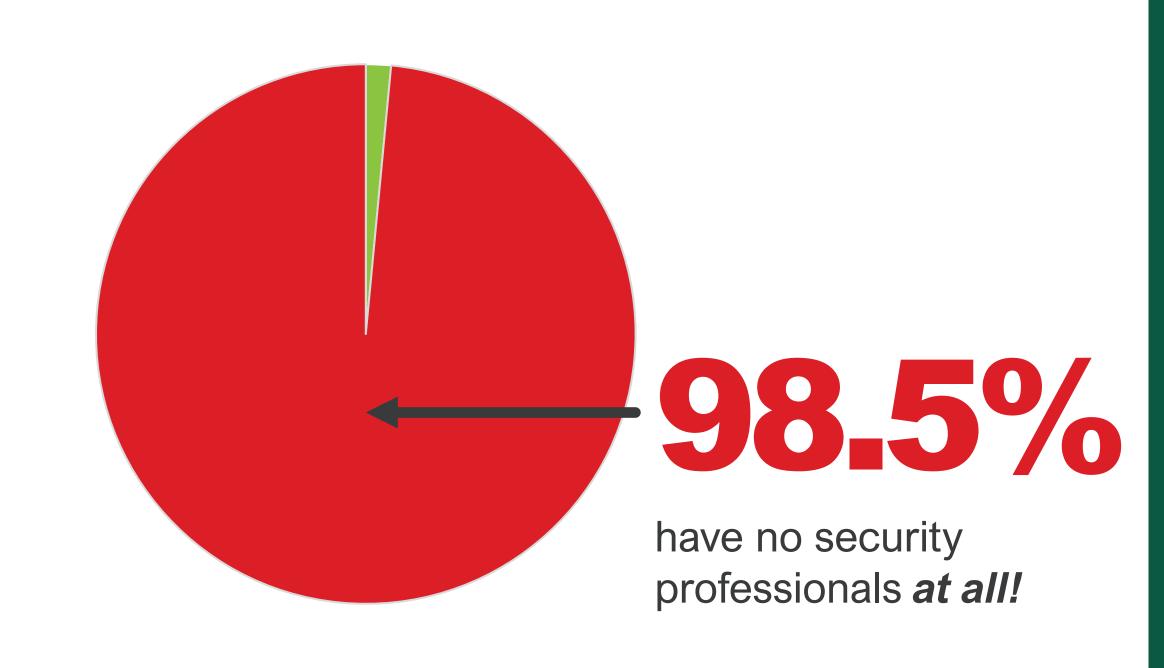
Reported a cybersecurity staffing shortage





... that risk increases substantially when organizations have a <u>significant</u> staff shortage.





Without Enough Cybersecurity Staff in Europe...



30%
Misconfigured systems



29% Slow to patch critical systems



29%

Not enough time for proper risk assessment and management



28% Rushed deployments



Oversights in process and procedure



25%

Incomplete incident investigations

Talent gaps exist across all key skills categories, but investigative roles make up the largest

Investigate – cyber investigation, digital forensics, etc.

Securely Provision – risk management, software development, technology R&D, etc.

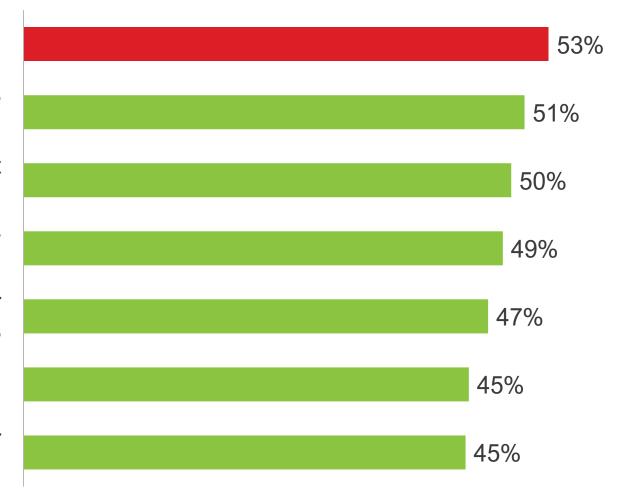
Protect and Defend – defense analysis, incident response, vulnerability assessment & management, etc.

Analyze – threat analysis, exploitation analysis, allsource analysis, etc.

Collect and Operate – collection operations, cyber operations planning, cyber operations

Oversee and Govern – legal advice & advocacy, training education & awareness, strategic planning & policy, etc.

Operate and Maintain – data administration, customer service & tech support, systems analysis, etc.



Businesses seek these traits when hiring entry and junior-level team members

TOP 5 TECHNICAL SKILLS

- 1. Data Security
- 2. Cloud Security
- 3. Secure Software Development
- 4. Data Analysis
- 5. Security Administration

TOP 5 NONTECHNICAL SKILLS

- 1. Ability to Work in a Team
- 2. Ability to Work Independently
- 3. Project Management Experience
- 4. Customer Service Experience
- 5. Presentation Skills

TOP 5 PERSONALITY ATTRIBUTES

- 1. Problem Solving
- 2. Creativity
- 3. Analytical Thinking
- 4. Desire to Learn
- 5. Critical Thinking

Top 5 Tasks for Entry-Level Staff

(Less than 1 Year of Experience)

35%



Alert and Event Monitoring

35%



Documenting Processes & Procedures

29%

1010

Using Scripting Language

28%



Incident Response

26%



Reporting (Developing/ Producing Reports)

Top 5 Tasks for Junior-Level Staff

(1–3 Years of Experience)

48%



Information Assurance (Authentication, Privacy)

48%



Backup, Recovery, & Business Continuity

47%



Intrusion Detection

47%



Encryption

46%



Penetration Testing







1 Million
Certified in Cybersecurity



(ISC)² Certified in Cybersecurity

certification validates foundational knowledge, skills and abilities to take on entry- and junior-level cybersecurity roles, enabling employers to more confidently build resilient teams across all experience levels.

Those pursuing or considering a career in cybersecurity can become an (ISC)² Candidate and receive career development advice, networking opportunities, tools, resources, and continuous skill building as they work toward earning an (ISC)² certification.

Through (ISC)² One Million Certified in Cybersecurity,

we've pledged to expand and diversify the cybersecurity workforce by providing free (ISC)² Certified in Cybersecurity education and exams to one million people worldwide.









Common mission. Common goals. Stronger together.