

CYBER SECURITY RATING, THE EUROPEAN GENESIS

Talk @OSSIR

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CYRATING

The cybersecurity rating agency



Co-Founder & CTO of **CYRATING**

Former head of Offensive Security & Incident
Response advisory services @THALES

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An aerial photograph of Paris, France, featuring the Eiffel Tower on the left and the city's dense urban landscape. The sky is overcast with soft, grey clouds. The text is overlaid in white on the center of the image.

AGENDA

Who we are?
Why cyber rating?
How it works?
How to use it?
Learning & takeaways

1. WHO WE ARE?



Organisations



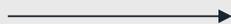
Entities



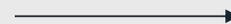
Suppliers



Cyber Rating



Vertical industries
comparable



Position in industry

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Pioneer in Europe

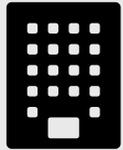


Objective
Rating Process



Experienced Team

Key figures



1'500 rated organisations,
500'000 analyzed resources



21 vertical industries

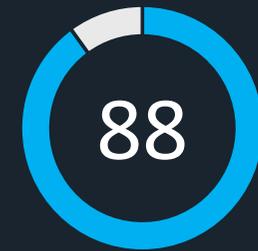


2 categories, +40 metrics



+150 active users on trial

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Best



Median



Average

2. WHY CYBER RATING?

Online Certifications Training



CISM



CISA



CISSP

Become a Cyber Security Expert



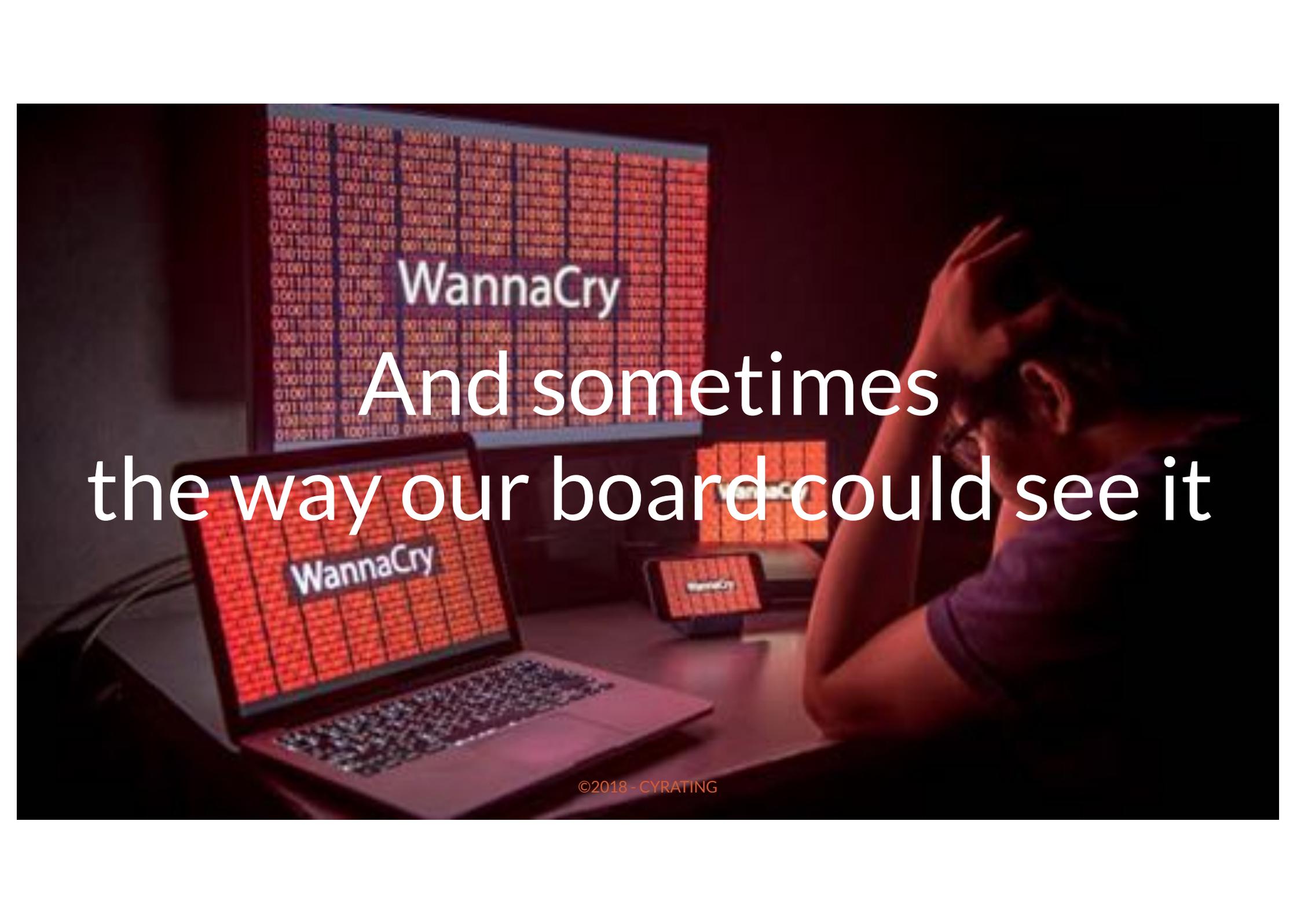
The way we like
to see our cybersecurity

The way we like to see
cybersecurity of others

A person is seen from behind, walking through a field of tall grass towards a bright sunset. The sun is low on the horizon, creating a strong lens flare and illuminating the scene with a warm, golden light. The sky is a mix of dark blues and oranges. The overall mood is contemplative and serene.

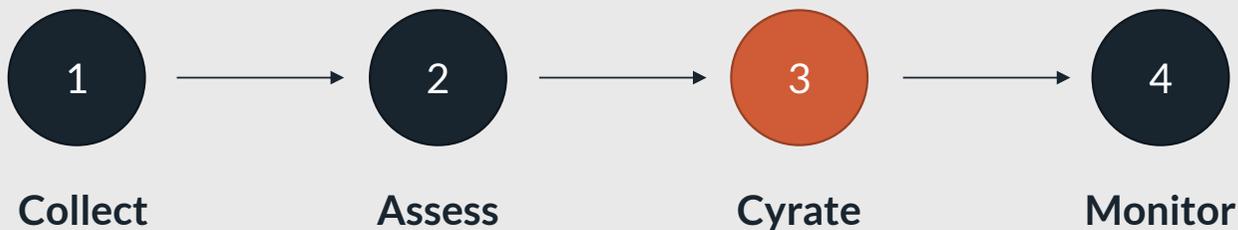
The way our board sees our cybersecurity

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A person is sitting at a desk in a dimly lit room, looking stressed with their hand on their head. In front of them are several computer monitors. The largest monitor in the background displays the word "WannaCry" in white text against a background of red binary code (0s and 1s). A laptop in the foreground also displays "WannaCry" on its screen. A smartphone on the desk shows the same word. The overall scene is illuminated with a red glow, suggesting a cyber attack or a security breach.

And sometimes
the way our board could see it

3. HOW IT WORKS?



Facts

-  Domain Protection
-  Denial of Services Protection
-  Email Protection
-  Website Protection

Events

-  Connection to botnets
-  Spam Propagation
-  Hosting malwares

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Automated
& Continuous



Effortless
for client



Non-invasive

Details for Domain Name Protection

- F** Protection at the registry level
- E** Protection at the registrar level
- A** Expiration of Domain Names
- A** Protection with secure DNS at Whois level
- A** Protection with name servers at Whois level
- A** Redundancy of Domain Name System (1/2)
- A** Redundancy of Domain Name System (2/2)
- A** Synchronization of Domain Name System
- A** Alignment of your Whois and Domain Name System records
- A** Protection of Domain Name System with public IP addresses
- A** Protection of Domain Name System with a Start of Authority
- A** Protection of Domain Name System with a unique serial record
- F** Protection of Domain Name System with a recommended refresh value
- A** Protection of Domain Name System with a recommended Retry value
- A** Protection of Domain Name System with a recommended expire value
- A** Protection of Domain Name System with a recommended TTL value
- A** Protection of Domain Name System against technical data leak
- F** Protection of Domain Name System against recursion
- A** Protection with secure Domain Name System
- A** Protection of Domain Names with trusted cryptography

F Protection at the registry level

Note that Registry Lock is only available for .com, .net, and a few other top-level domains

Information

Registry Lock is a service offered by a registrar (i.e. an organisation or commercial entity that manages the reservation of Internet domain names) that provides an extra layer of security. It prevents domain hijacking by locking the domain at the global registry level (i.e. an organisation or commercial entity that manages the Internet top-level domain names), which serves as the authoritative source for domain resolution. When your organisation domains are protected with registry lock, your registrar needs to remove the lock at the global registry with an out-of-band authentication mechanism prior transfer or delete your domain or alter your domain information.

Guidelines

If your organisation domain names are not protected by registry lock, here are a few guidelines:
[RFC5731](#)
[Verizon](#)
[Fastly](#)
[ICANN](#)

What do we assess?

Results last updated: January 18, 2018

Filter

Domain	Results	Grade
cyrating.net	serverTransferProhibited: False serverUpdateProhibited: False serverDeleteProhibited: False	0% (0/3)
cyrating.fr	Not applicable to this domain name	N/A
cyrating.io	serverTransferProhibited: False serverUpdateProhibited: False serverDeleteProhibited: False	0% (0/3)
cyrating.com	serverTransferProhibited: False serverUpdateProhibited: False serverDeleteProhibited: False	0% (0/3)
cyrating.org	serverTransferProhibited: True serverUpdateProhibited: False serverDeleteProhibited: False	33% (1/3)

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CYBER THREAT MAP

What is an event?

Organisation A

Technology

TODAY'S CYRATING



1 YEAR CHANGE

N/A

RESOURCES

28



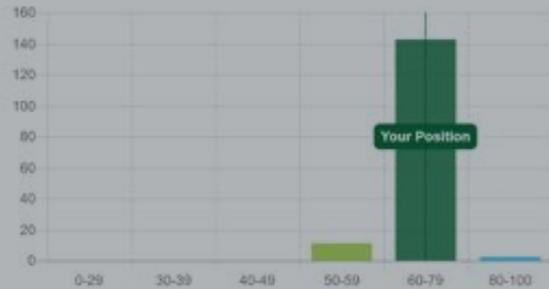
At the end, the way

CYRATING sees your

cybersecurity

Organisation A in Technology industry

Position of CYRATING cybersecurity performance within the Technology industry.



Figures in Technology industry

Data as of Feb 13, 2018

Best CYRATING 82

Average CYRATING 70

Median CYRATING 71

Worst CYRATING 50

Organisation A Facts metrics

Tackle cybersecurity best practices

B Domain Name Protection

A Email Protection

D Websites Protection

F Protection Against Denial of Services

Organisation A Events metrics

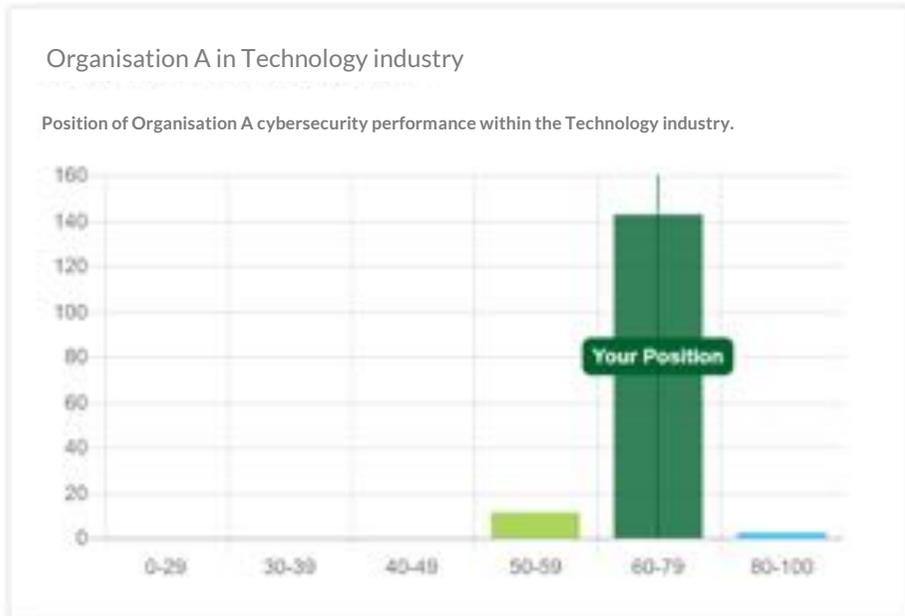
Monitor your cybersecurity incidents.

A Communication to botnets

A Spam propagation

A Hosting malwares

4. HOW TO USE IT?



Compare yourself with others



Build, execute and monitor your plan

F	Web Protection with Referrer Policy	▼
E	Web Protection against interpreting malicious content type	▼
F	Web Protection against reflected cross-site scripting	▼
F	Web Protection against clickjacking	▼
F	Web Protection with Content Security Policy	▼
F	Web Protection with forced encryption	▼

**Benchmark & stimulate
your entities**

Suppliers		Filter
Name	Industry	CYRATING
Supplier 1	Utilities	69
Supplier 2	Utilities	77
Supplier 3	Utilities	67
Supplier 4	Industrial Goods & Services	78
Supplier 5	Utilities	71

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**Continuously monitor
your suppliers**



Communicate

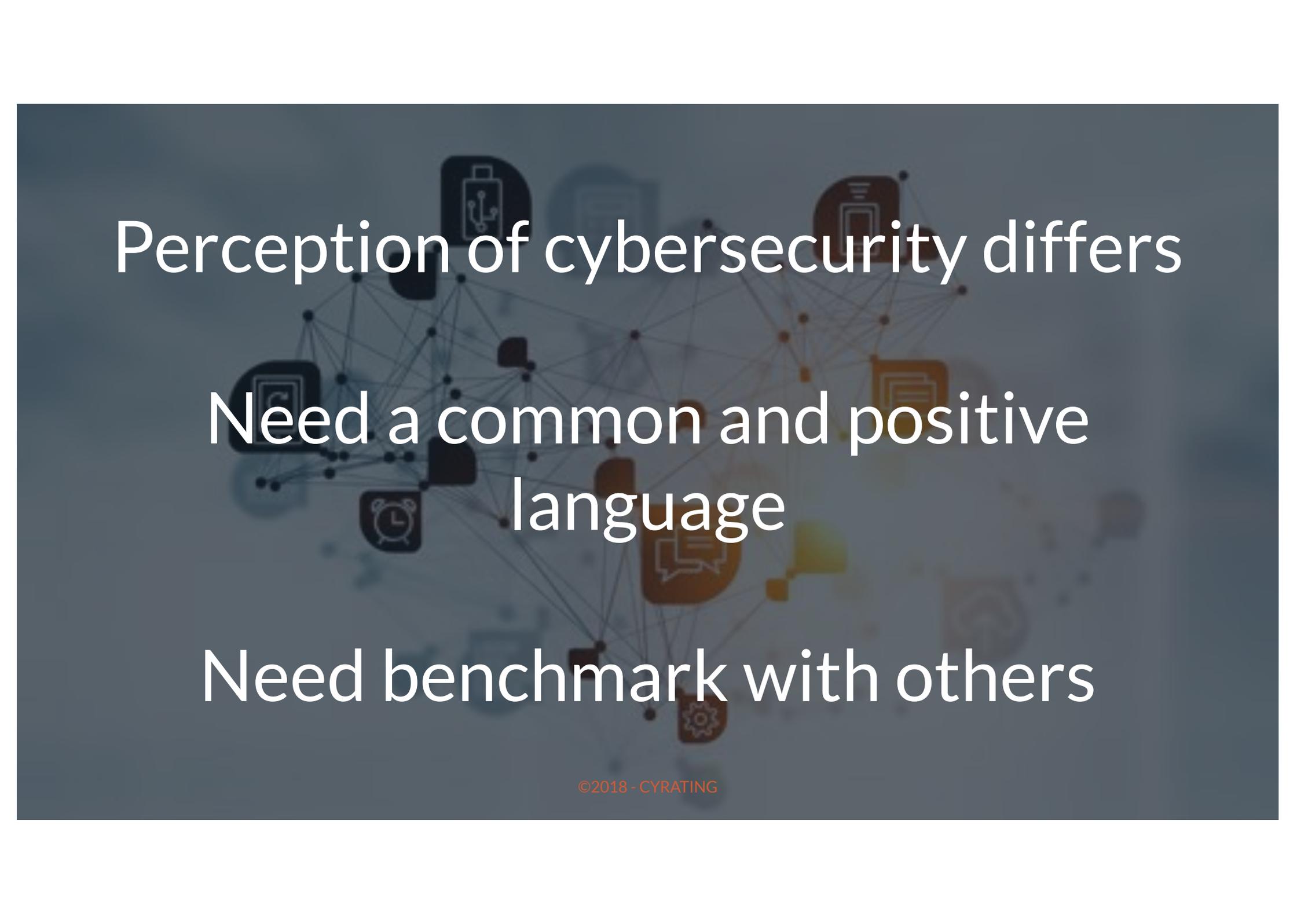


Progress



Achieve goals

5. LEARNING & TAKEAWAYS

The background features a network of interconnected nodes and lines, overlaid with various icons such as a USB drive, a smartphone, a document, a clock, a speech bubble, and a gear. The text is centered over this graphic.

Perception of cybersecurity differs

Need a common and positive
language

Need benchmark with others

A person is seen from behind, standing in front of a chalkboard. The chalkboard is covered in various hand-drawn diagrams, charts, and mathematical equations. The person is wearing a dark long-sleeved shirt and light-colored trousers. The text is overlaid on the image in white, bold, sans-serif font.

We are all already rated

Cyber rating supports organisations
to improve their cybersecurity

Non-invasive, you can easily monitor
your 3rd parties cyber risks

Thank you

Q&A

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