

Creating a standard for cybersecurity training content exchange

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The status quo

- **Cybersecurity education and training** are becoming more and more critical nowadays
- Many platforms exist to support such activities, e.g., via **training content management** and **cyber range creation**
- These platforms may have different architectures and implementation approaches, but **serve the same purpose**

However, there is **no standard** to represent the training content and environment → **sharing and exchanging content are not possible**

We need a standard!

- Such standard formats already exist and are popular in other fields
 - **E-learning** → **SCORM** (Shareable Content Object Reference Model) collection of standards and specifications
 - **Music** → **MusicXML** standard open format for exchanging digital sheet music



Let's create an **standard open format** for cybersecurity training content exchange!

How do we do it?

1. Give a lightning talk
2. Get the discussion started
3. Gather momentum
4. Work together

Ideas to get us started

- Organizational framework
 - Working group? (like IETF WGs?!)
- Starting point
 - Existing formats, such as the YAML-based one used in our training framework, CyTrONE, released on GitHub since 2017
 - Any suggestions?!
- Create (and maintain) a list of cyber range projects

Thanks for listening, I am looking forward to
your valuable feedback!