



Developing and Hosting Your Own Cybersecurity Competition

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Planning a Cybersecurity Competition



What skills are you hoping students master?



What lab resources do you have available?

Physical or virtual?



Make sure the rules of engagement are clear



Can be integrated into a class



Have some interesting prizes!



Resources and Strategies to Learn Cybersecurity and Ethical Hacking

- Focus on industry certifications
 - [Certified Ethical Hacker \(CEH\)](#)
 - [CompTIA PenTest +](#)
 - [CompTIA Security +](#)
- Content providers
 - [Cisco Networking Academy](#)
 - [CompTIA Academy](#)
 - [Network Development Group \(NDG\)](#)
 - [Practice Labs](#)
 - Develop your own!



How to Create a Lab Environment for a Cybersecurity Competition

- Recommendation to use virtualization
- Build your vulnerable Operating System – preference on using Windows 10
 - Check vulnerability databases:
<https://nvd.nist.gov/>
- Use quality penetration testing tools such as [Kali Linux](#)
- Make sure and test thoroughly!



Demo Time!