

Cyber Defense Organization

Fall 2020 - Intro



Before We Begin...

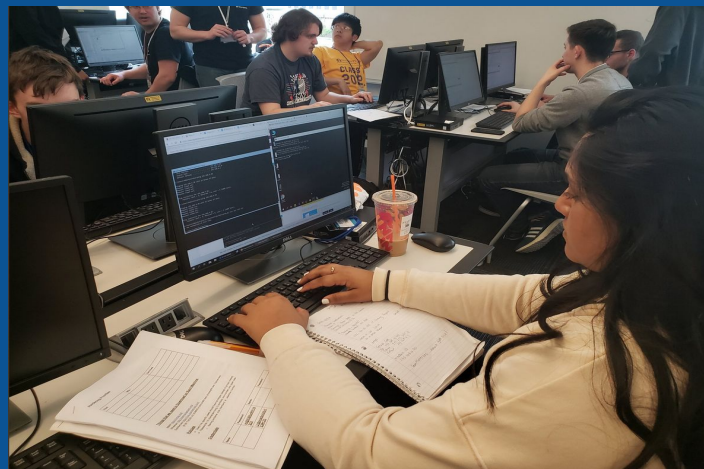
Do you want to be on our email list? Fill out this form for attendance/to sign up for email list if you are not already on it:

<https://forms.gle/9LWBLA4Kug9SMZM39>

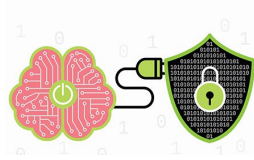
Who We Are

- Premiere campus technical computer security club
- Practical Skills for Practical Situations
- Enhance classroom knowledge & topics
- A place to share and collaborate with people who have passion for cybersecurity like you.





Workshops



- Streamed on our twitch!
- Discussion on our Discord!
- Weekly workshops of technical aspects in the field of Cybersecurity.
- No prior knowledge required!
- Learn how to secure infrastructure and build out a defensive architecture step by step!
- Work to educate yourself with InfoSec terminology and standard practices.

Competitions



- Simulate an IRL point of view of CyberSecurity.
- Red vs Blue - AKA: Hackers vs You
- Weekly practices to strengthen your skills for the competitions.
- Defend services and work together to fortify your network.
- Specialities include:
 - Linux
 - Firewall
 - Windows
- NORMALLY Travel Upstate or even across state to multi-collegiate competitions, full of opportunities to network and get pwned.

New Workshop Delivery Format

- Covid pushed us into relying on our server architecture to create VMs for our hands on portion
- That means you need globalprotect to access our hands on portion of workshops: <https://tinyurl.com/uaglobalprotect>
- Servers are also used in GDDC (Pending name change)
- Who are the awesome people who manages the servers?



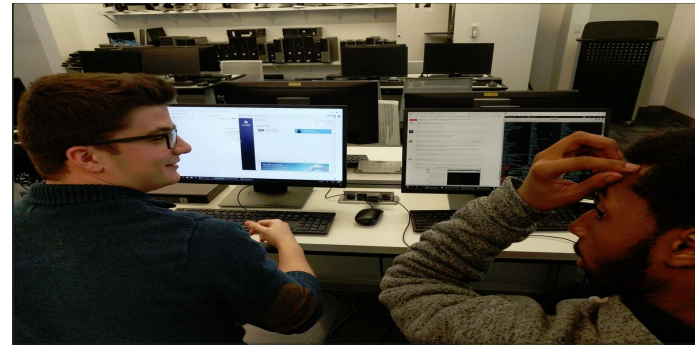
Guest Speakers

People talk to us sometimes, here are some past presenters:



Interest Groups

- Anything you want to share with the rest of the organization!
- We will help you run your own interest group!
- In the past we've run Cert Study, CTF interest group, red teaming, devops, and more!



CertStudy!



- CertStudy - Our very own interest group helping students get certifications
- Why are certifications important?
 - Differentiate you from other students in your field
 - Give you talking points during interviews
 - Get you interviews you normally may not have gotten
- Why Security +:
 - Great entry level certification that teaches the basics of everything from physical security to encryption to types of attacks
 - Several of our members have their Sec+ and can help you get yours
 - You get a discount for being a student
 - We have successfully helped students get their certs!
- Meeting once a week (Date/Time TBD)
 - Will be fully virtual

Red Team

- Play the role of an adversary; attack systems and break defenses
- Presentations and workshops on relevant and real world topics
- Gain experience in networking, Open Source Intelligence (OSINT), systems programming, and Linux administration
- Maintain access and hinder blue teams operations
- Compete in Capture The Flag (CTF) events
- Meetings: Thursday @ 7:30pm
- Contact:
 - Channel: UA_CDO #red-team
 - Captain, Raphael rkarger@albany.edu
 - Co-Captain, Mark MarkTretiyak#8833
 - Competition Co-Captain, Mike d3#2757



Blue Team



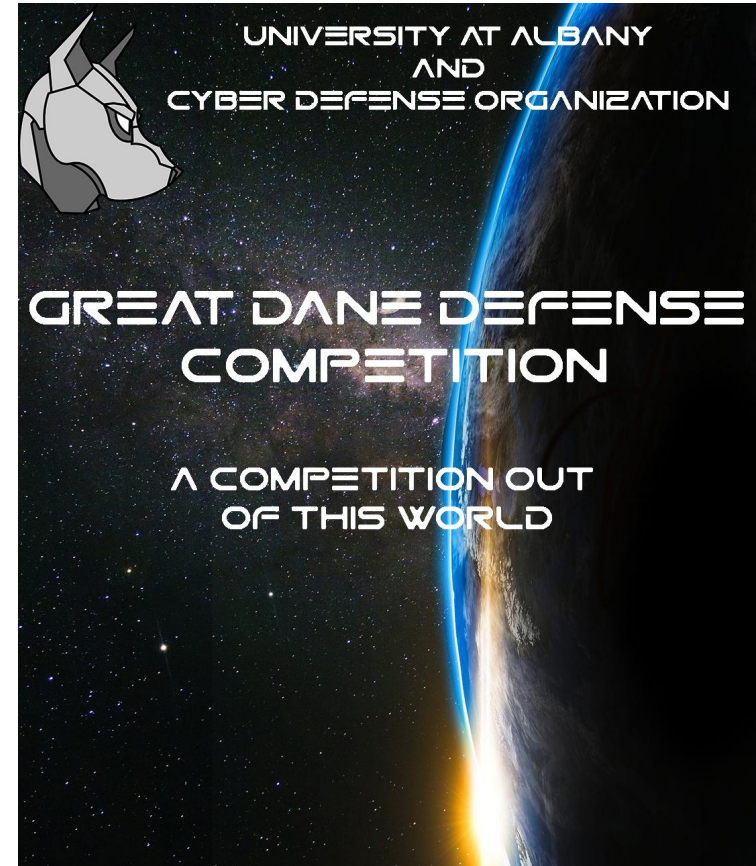
- Act as a Security Operations Team
- Build and maintain services ranging from web servers to cloud devices
- Complete business tasks throughout competition and report to a mock executive board
- Utilize cyber security skills like networking, forensics and incident response to locate and eliminate Red Team presence
- Meetings: Mondays @ 7PM
- Points of Contact
 - Daunte, Team Captain: dkinsey@albany.edu
 - Jenna, Co-Team Captain: jsalvatore@albany.edu



The Great Dane Defense Competition

- CDO's own cyber defense competition!
- Blue v. Red
- November 14th
- Cool video on it:

<https://www.youtube.com/watch?v=-Lt8epvMaKI>



Check out our Documentary

- This is a ~20 minute documentary on the process of preparing and competing in CCDC, with obstacles thrown in the way.

<https://youtu.be/qxM89iSvi-4>

“CCDC.sh | A Documentary”



Next Time: Intro to Linux



when you use "su -" in Linux:



Join our Discord/Follow our Twitch

Join Our Discord!



Follow Our Twitch (UACyberDef)



Add us on Social Media!

Twitter: **@ualbanyCDO**



Instagram: **ualbany_cdo**



Myinvolvement: **Cyber Defense Org**

Twitch: **UACyberDef**

