

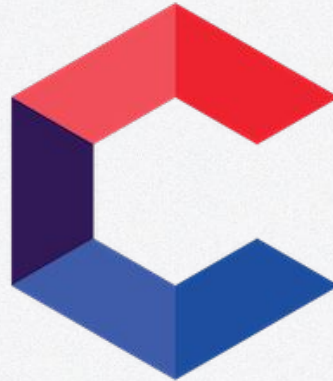
Welcome to the Bootcamps!

CCDC/CPTC Informational Meeting

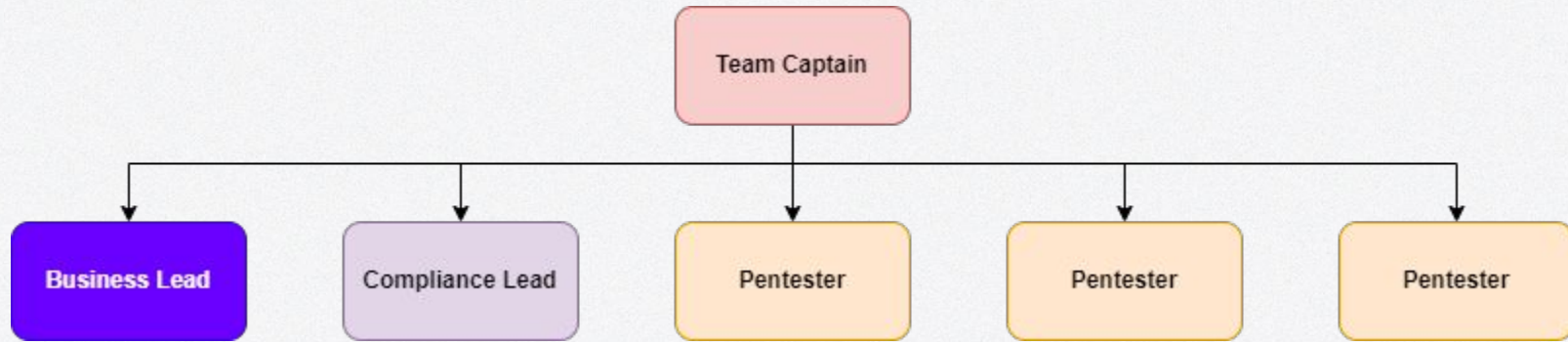


What is CPTC?

- Collegiate Penetration Testing Competition
 - International competition
 - Reigning world champions
- Focuses on penetration testing, IT infrastructure, and scripting/reverse engineering
- **OFFENSE**
- Simulates pentest engagements
- Providing business value
- 6 main roster, 2 alternate

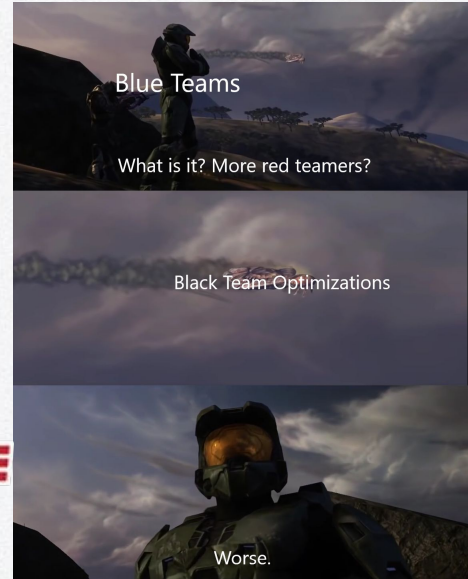


Team Structure



What is CCDC?

- Collegiate Cyber Defense Competition
 - National competition
 - Top 8 regionally
- Focuses on computer IT, system administration, computer networking, and cloud engineering
- **DEFENSE**
- Simulates IT/incident response teams
- Build, secure, and defend various business infra
- 8 main roster, 4 alternate



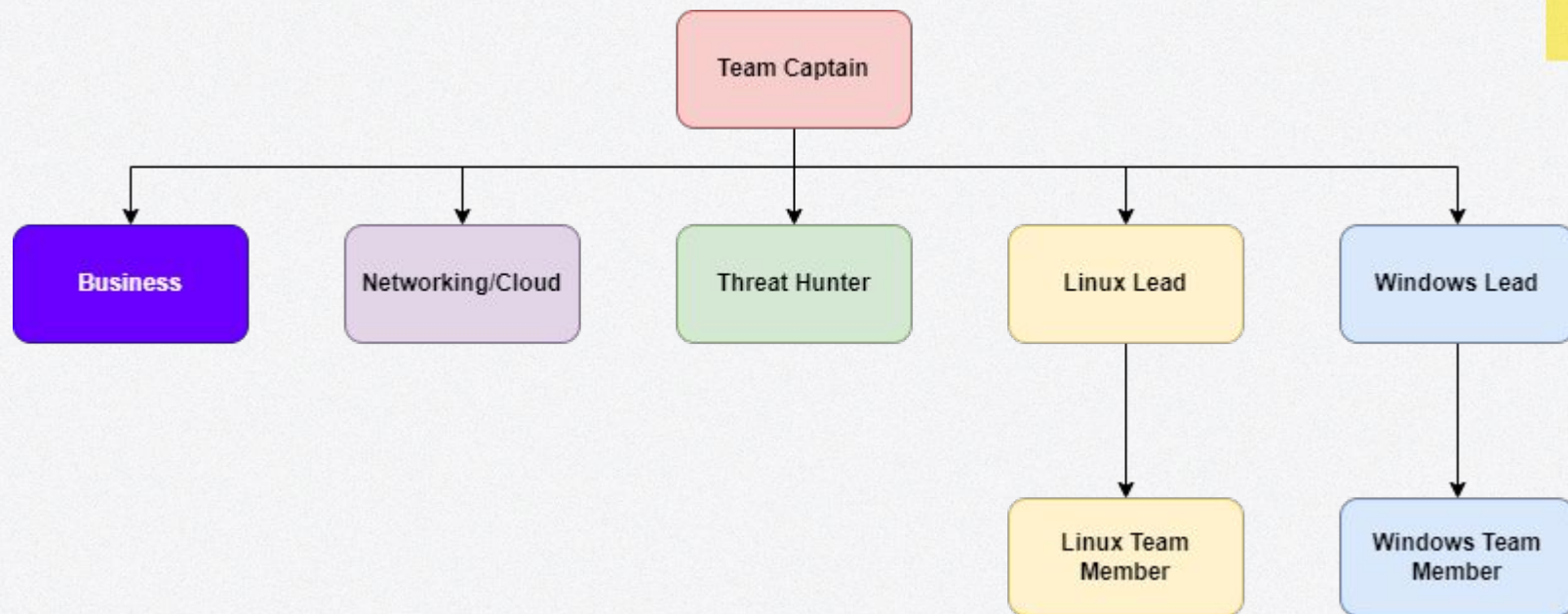
Blue Teams

What is it? More red teamers?

Black Team Optimizations

Worse.

Team Structure



THINGS YOU'LL LEARN

- Services
 - Active Directory
 - DNS
 - HTTP
 - SQL
 - SSH
 - Email
 - SMB
 - And more...
- Tools
 - Group Policy
 - Nmap
 - Splunk
 - Sysinternals
 - VPN
 - Firewalls
 - Nessus
 - And more...
- Procedures
 - User management
 - Incident Response
 - Patching / Hardening
 - Creating and restoring backups
 - Inventory
 - And more...
- OS's
 - CentOS, Ubuntu, FreeBSD, Alpine Linux, Debian, Solaris
 - Windows Server, Windows Workstation



CCDC

Meet the Teams!



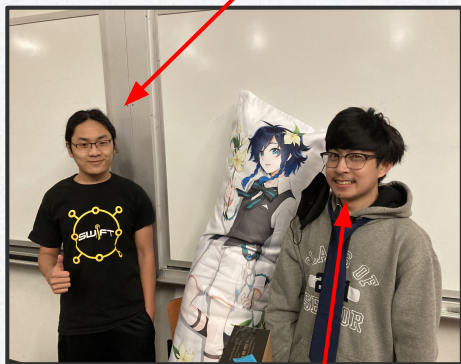
CPTC

Meet the Teams! – CCDC



Justin Covairt

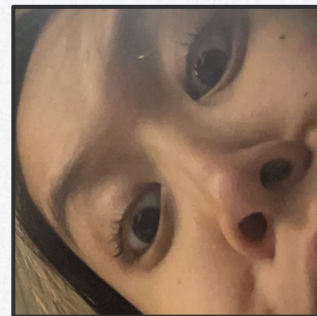
Dylan Tran



Jacob Jayme



Evan Deters



Jessica Leung



Gabriel Fok

Meet the Teams! – CPTC



Justin Covairt



Dylan Tran



Taylor Nguyen



Gabriel Fok

Agenda

1

Objectives

Key goals for the bootcamp

2

Timeline

Content and schedule

3

Tryout Info

Requirements and other details

4

Alumni

Testimonials and prior experience





1

Bootcamp Objectives

Our goals for you

Cyber Bootcamp Objectives



Learn to Learn

Gain confidence in your ability to learn rapidly, and independently



Build Team Skills

Build relationships and showcase interpersonal skills



Prepare for the Future

Set a solid foundation and discover opportunities in cybersecurity



2

Bootcamp Timeline



Time commitments and so on

Weekly Schedule

Date	CPTC (10AM-12PM)	CCDC (1PM-4PM)
Jul 9	Intro to Pen Testing	Intro to Cyber Defense
Jul 16	OSINT	Computer Networking
Jul 23	Hacking Windows	Securing Windows
Jul 30	Hacking Linux	Securing Linux
Aug 6	Breaking Web Apps	Business Professionalism
Aug 13	How to Consulting	Mock Presentations
Aug 20-21	CPTC Tryouts (All day)	
Aug 27-28		CCDC Tryouts (1-5PM)

Team Schedule

- Meet at least once a week (usually Saturdays) for practice
- Ad-hoc working/research meetings
- Competition weekends

Month	CCDC	CPTC
November	Invitationals #1	Regionals
December	Invitationals #2	None
January	None	Globals
February	Regional Qualifier	Season over
March	Regional Finals	Season over
April	National Finals	Season over



3

Tryout Details



How to get on the CCDC/CPTC teams



August 20–21

CPTC Tryout Date



August 27–28

CCDC Tryout Date

Selection Requirements

CCDC Team

- **Full-time** CPP Student
- Attend **Fall 2022** & **Spring 2023**
- **Good** academic standing (2.0 GPA)
- Stand out during the bootcamp

CPTC Team

- **Full-time** CPP Student
- Attend **Fall 2022**
- **Good** academic standing (2.0 GPA)
- Stand out during the bootcamp



CCDC Rubric



Homework	20%
Teamwork	15%
Attendance	5%
Presentations	10%
Tryouts	50%

CPTC Rubric



Homework	25%
Attendance	5%
Teamwork	20%
Tryouts	55%

Bootcamp Tips

- Be involved
- Take notes and research out of class
- Stay organized
- Google things and ask questions
- Work well in a team

And the most important thing:



- Bring a growth mindset





4

Alumni Experience



Standing on the shoulder of giants

Brice Lauer

Part of the 2020–2021 CPTC global finalist team, Linux team member of CCDC, and now works as a Security Analyst at Anduril.



Luis Velasquez

Participated in CCDC/CPTC bootcamps in 2020 & 2021, and currently working as an infosec intern at Cal/Amp. Also an active band member in up-and-coming thrash metal band Mortalis.



Silas Shen

Led the 2019-2021 CCDC team,
CPTC global finalist, and now
works as a Red Team consultant
at Crowdstrike.



Alex Tselevich

Led the 2021-2022 CPTC team as captain to win the gold at the Global Finals, and now works as a red team consultant at Mandiant.



Brandon Sakamoto

Led the 2018-2019 CCDC and CPTC teams, and now works as a Red Team consultant at Mandiant.



Dennis Tran

Tool developer for CPTC, Linux team for CCDC, and now works as a Red Team consultant at Mandiant.



Robinson Tran

Compliance lead of the 2021-2022 CPTC team, and now works as a Security Analyst Intern at Anduril.



Q&A

Any questions for the teams?

CCDC Homework 1

<https://da.gd/ccdc22pre>

CPTC Homework 1

<https://da.gd/cptc22pre>

