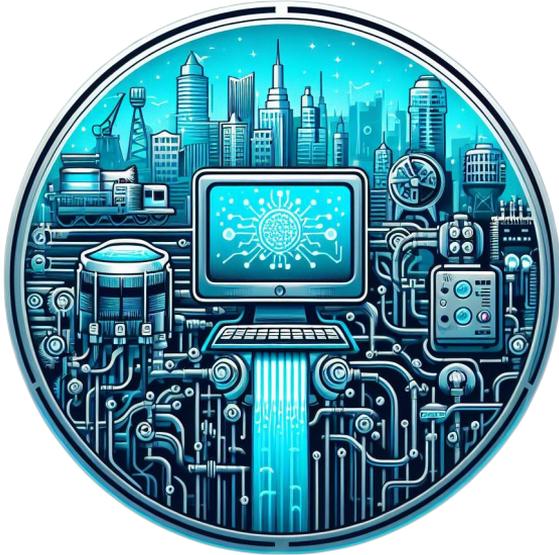


NORTHEAST COLLEGIATE
CYBER DEFENSE
COMPETITION
(NECCDC) 2024



CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

Regional: Mar 23 – 25 2024

Hosted by

PACE
UNIVERSITY

In Coordination with



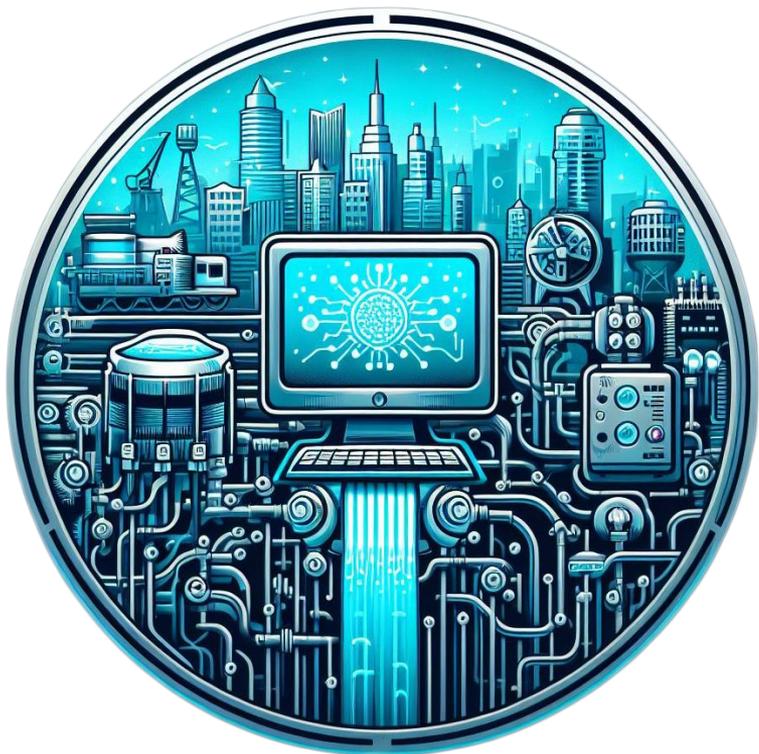
In Partnership with



Raytheon
An RTX Business

NECCDC 2024 Regional Orientation Agenda

- Travel & Lodging
- Event Location & Parking
- Event Schedule
- Advisory Board / Panel
- Blue Team Area Setup
- Available Supplies for Blue Teams
- Blue Team Laptop Configuration
- Rules of Engagement
- Wireless & VPN Configuration
- Sponsors
- Please hold questions until Q&A

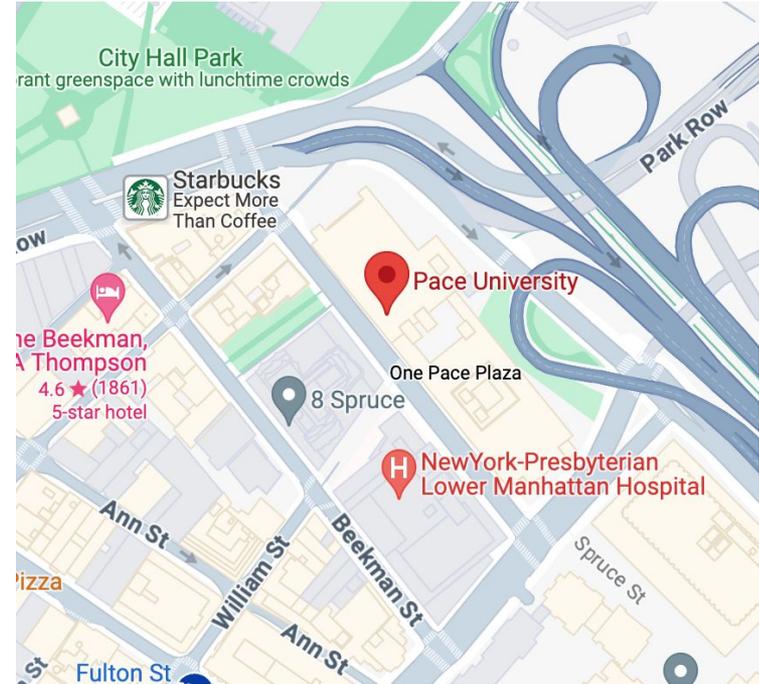


CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

NECCDC 2024 Travel & Lodging

NECCDC 2024 Travel

- Directions to Pace University, One Pace Plaza, New York, NY - New York City (NYC) Campus (by subway, bus, train & car):
 - <https://www.pace.edu/about-pace/directions-all-campuses>



NECCDC 2024 Local Hotels

- Working with hotels on group rates
- Pace list of nearby hotels:
<https://www.pace.edu/nearby-hotels>



NECCDC 2024 Travel Reimbursement

- Pace University is making available up to maximum \$1500 in travel reimbursements per each institution competing in-person for 2024 NECCDC Regional Competition for related hotel stay.
- Details RE: this reimbursement will be provided to team coaches by email prior to competition based on Pace University financial policy. Receipts for area hotel stay during competition time frame, parking, tolls, train ride/flight/subway, gas, car/bus rental, etc. **must be provided.**
- Distribution of received reimbursement to students will be responsibility of their own institutional representative.
- Each institution must provide name & email address of person applying for this reimbursement. Pace University's finance manager will contact that person to initiate their registration for reimbursement process.
- Funding for the travel reimbursement is provided from a National Science Foundation (NSF) CyberCorps Grant.



NECCDC
2024 Event
Location &
Parking

NECCDC 2024 Event Location

- Directions to New York City Campus (by subway, bus, train & car) at:
 - <https://www.pace.edu/about-pace/directions-all-campuses>
- Google Maps
 - Use “**19 Frankfort St. New York NY**” or close to 150 Nassau St. New York, NY - near Brooklyn City Chop House Steakhouse
<https://maps.app.goo.gl/VTNu53WmT9X3TTcX9>
- Interactive Campus Map
 - <https://pace.university-tour.com/nyc/nyc-map.php>



Pace University - NYC Campus

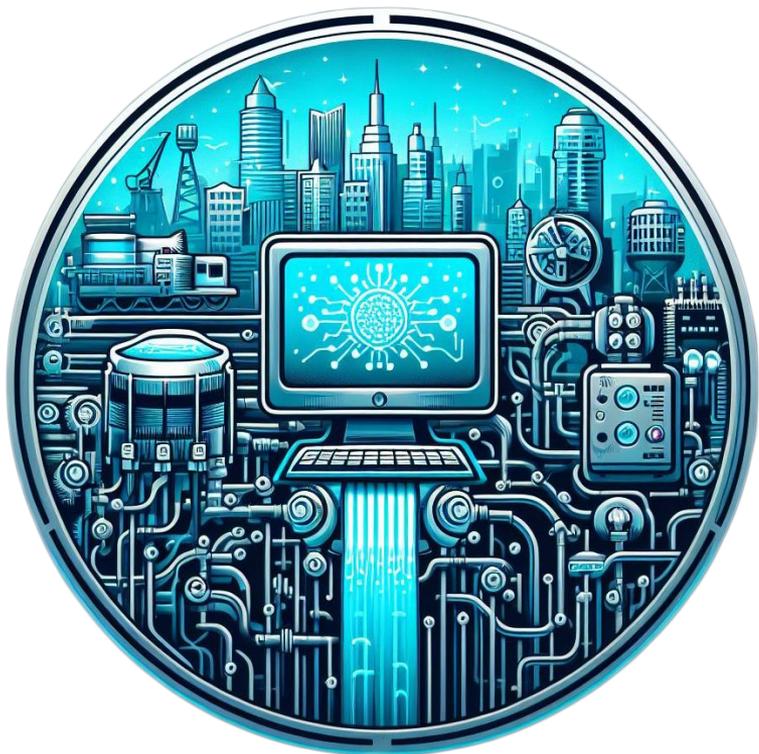
Address: One Pace Plaza, New York, NY
10038

Phone: (212) 346-1200

NECCDC 2024 Event Location & Parking

- All 2024 NECCDC activities are scheduled to take place at Pace University's 1 Pace Plaza location
- Several hotels within walking distance & parking lots that offer multi-day rates
- Google Map NECCDC 2024: <http://tinyurl.com/neccdc2024map>





CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

NECCDC 2024 Event Schedule

NECCDC 2024 Event Schedule - Sat 3/23 - Day 1

Start	End	Activity	Location
8:00 AM	9:00 AM	Check In, Name tag distribution	Reception Area/Tabling Hub
8:00 AM	9:00 AM	Breakfast (informal breakout)	Student Center, Welcome Center
9:00 AM	9:30 AM	Competition Opening Ceremony	Student Center
10:00 AM	2:30 PM	NECCDC Student Competition	6th Floor
12:00 PM	12:45 PM	<i>Team Lunch, Boxed grab-and-go</i>	<i>Student Center</i>



NECCDC 2024 Event Schedule - Sun 3/24 - Day 2

Start	End	Activity	Location
8:00 AM	9:00 AM	Breakfast (informal breakout)	Student Center, Welcome Center
9:30 AM	4:00 PM	NECCDC Student Competition	6th Floor
12:00 PM	1:00 PM	<i>Coaches' Meeting</i>	<i>5th Floor</i>
12:00 PM	12:45 PM	<i>Team Lunch, Boxed grab-and-go</i>	<i>Student Center</i>
6:00 PM	9:00 PM	<i>Recruitment Event, Dinner</i>	<i>Student Center, Welcome Center</i>



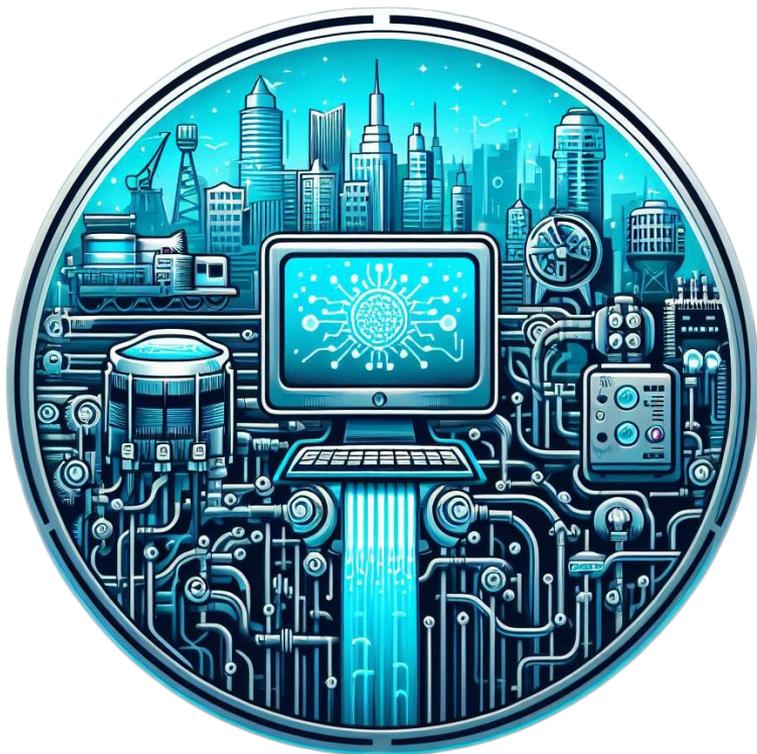
NECCDC 2024 Event Schedule - Mon 3/25 - Day 3

Start	End	Activity	Location
8:30 AM	11:30 AM	Events (Debrief + Panels), Breakfast (informal breakout)	Student Center, Welcome Center
11:30 AM	12:30 AM	Award Ceremony, Lunch (informal breakout)	Student Center, Welcome Center
12:30 PM	2:30 PM	Networking, Interaction and networking with peers	Student Center, Welcome Center



NECCDC 2024 Recruitment Event

- Networking Dinner: Sunday, March 24 between 6pm and 9pm
 - Open to all **Blue Team members, coaches, sponsors, industry & student helpers**
 - Lots of **good food / great networking opportunities**
 - Open-mic night, companies can advertise **open internship & full-time positions**
- Attending organizations (*tentative*)
 - Raytheon
 - Cisco
 - Palo Alto
 - CrowdStrike
 - Fortra
 - Battelle
- Attending agencies (*tentative*)
 - NSA
 - CISA

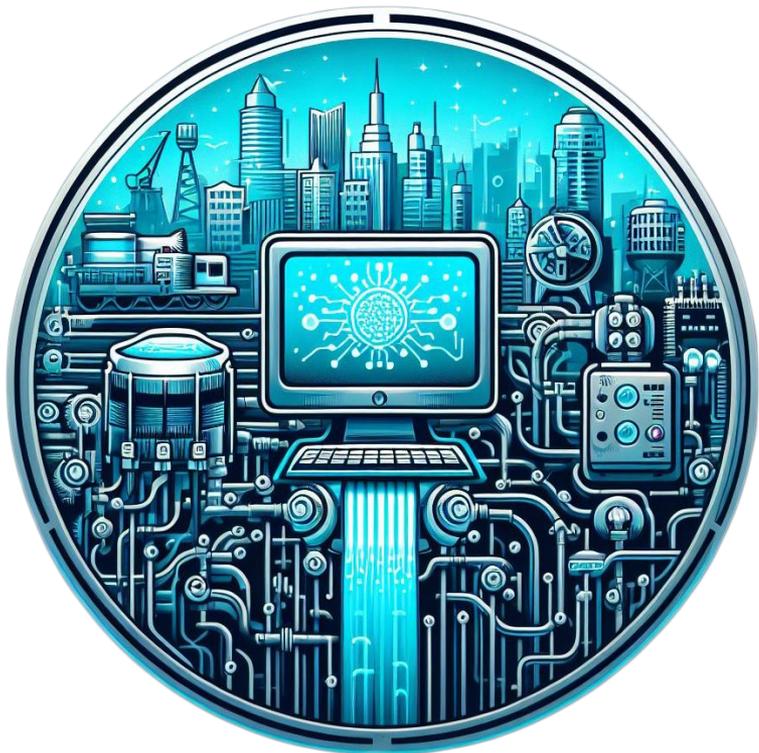


CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

NECCDC
2024
Advisory
Board /
Panel?

NECCDC 2024 Advisory Board / Panel

- Board & panel members TBD



CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

NECCDC

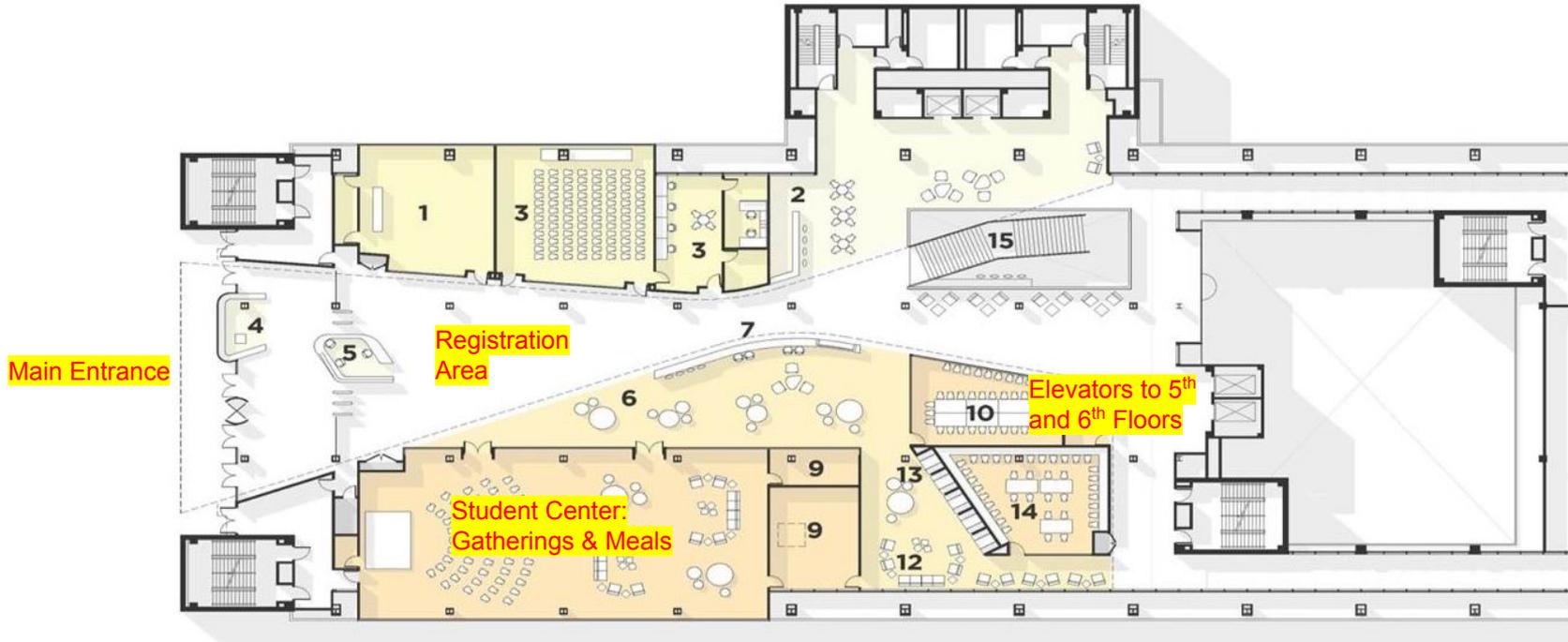
2024

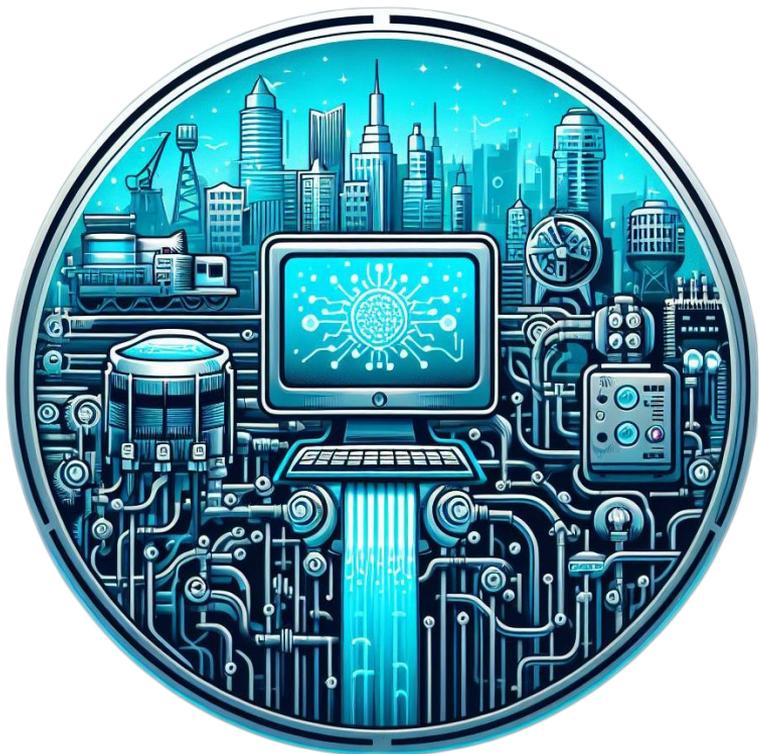
Blue Team

Area Setup

NECCDC 2024 Blue Team Area Setup

- Blue Teams will each be assigned one room on the 6th floor of 1 Pace Plaza.





CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

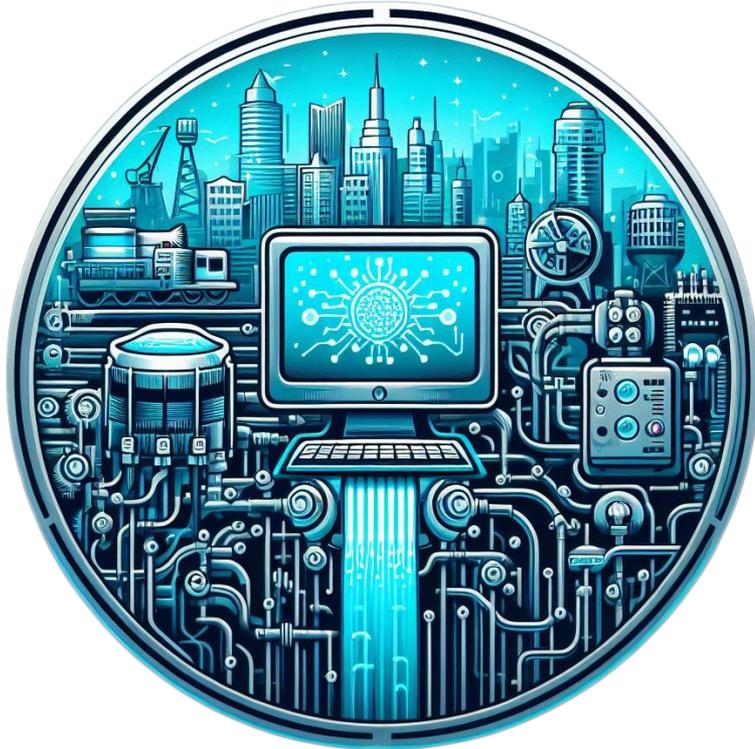
NECCDC

2024

*Supplies for
Blue Teams*

NECCDC 2024 Supplies for Blue Teams

- Same setup for every team
 - Two large tables w/ whiteboards (BYO dry-erase markers if you want) - use of non-dry erase markers will be penalized accordingly
 - A/V not available (except for specific monitors)
 - **Eight** Dell Inspiron laptops
 - **Two 24" monitors** with HDMI
 - **USB Flash Drives**
 - **Sticky Notes** (4" x 6")
 - Lots of wall space to stick
 - Effective for *Kanban* boards
 - **Eight** imaginative minds
- Infrastructure
 - Network switch for hardwired laptop connections (**Do NOT touch!**)
 - Intelligent Electronic Device (IED) for dam environment ground truth



CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

NECCDC 2024

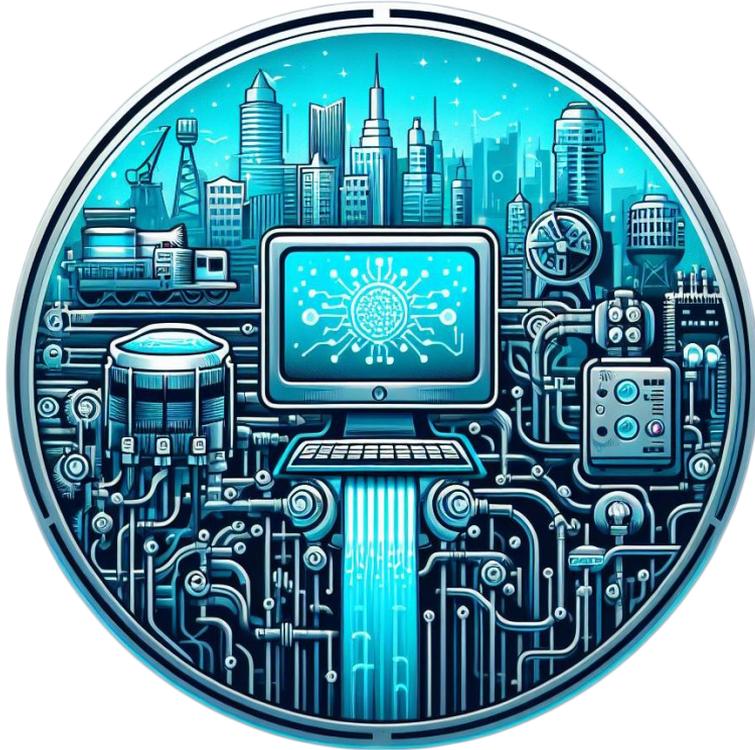
Rules of Engagement

NECCDC 2024 RoE - Blue Team

- **Always** stay connected to Wireguard VPN
- Don't modify physical switch: changing setting, which ports are used.
- Your team environment is within **10.X.0.0/16** range (X is number your team is assigned)
- Each system has a "*black-team*" user/role. **Do NOT remove, restrict access, or expire their accounts** as they are used for scoring & out-of-scope
- **Accommodations:** please request any needed accommodations well in advance via blackteam@neccdl.org with relevant pictures, e.g., if equipment will be brought
- If requesting peripheral devices to be able to be used, please contact blackteam@neccdl.org

NECCDC 2024 RoE - Red Team

- Out-of-Scope
 - Network switch & college networking
 - Environmental ground truth (dam, water, energy systems)
 - “Intelligent Electronic Device (IED)” in room
 - Manipulation of data on clients
 - Specific Team Accounts: Google Classroom & Discord
- Attacks
 - Data exfiltration of Blue Team laptops allowed
 - All attacks must go through VPN or originate from dedicated EC2 instance



CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

NECCDC 2024

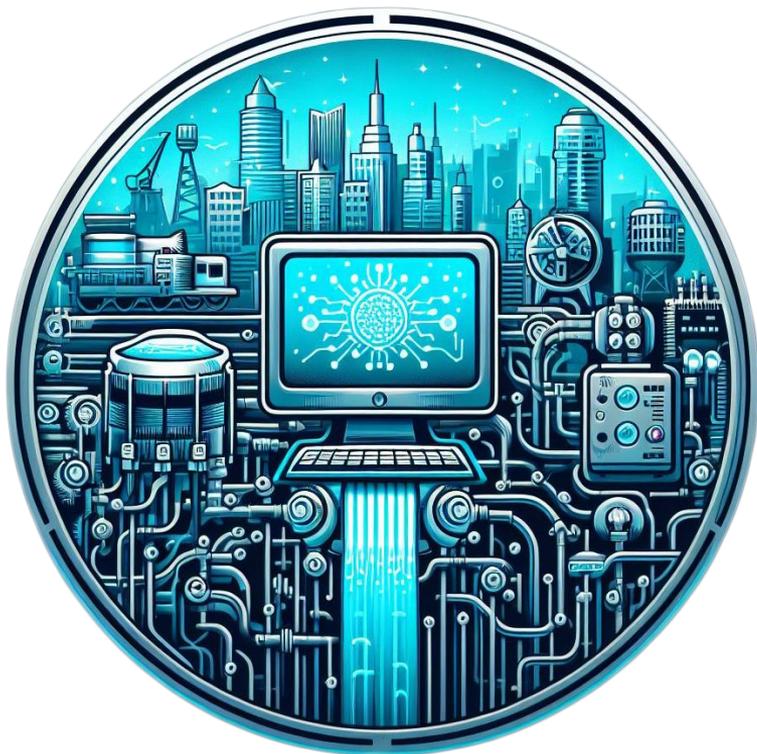
Connectivity & Configuration

NECCDC 2024 Competition Access

- Client laptops will all connect to infrastructure over full tunnel VPN
 - VPN must not be disabled even when not accessing networked infrastructure
- WireGuard will be used again in Regionals
 - Each team will be given client certificates
- Credentials will be released as soon as competition begins
 - Different from Qualifier

NECCDC 2024 Blue Team Laptop Configuration

- Ubuntu Desktop 22.04
- Software Pre-installed
 - Laptops will come pre-installed with Wireguard & common utilities, e.g., SSH, web browsers, various CLI tools.
- Issues to be aware of:
 - Some laptops may experience battery issues, leading to sudden shutdowns, if unplugged (aim to identify & notify teams of any affected laptops beforehand)
 - Please notify Black Team if other issues occur that impact your ability to participate
- Use of Personal Credentials
 - For your security, do **NOT** use personal credentials on competition laptops. For any software / services requiring sign-up, please use Gmail account associated with your NECCDC-provided blue team Google Classroom account (ensure compliance with National CCDC software rule(s))



CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

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Science and Information Systems

 **paloalto**
NETWORKS

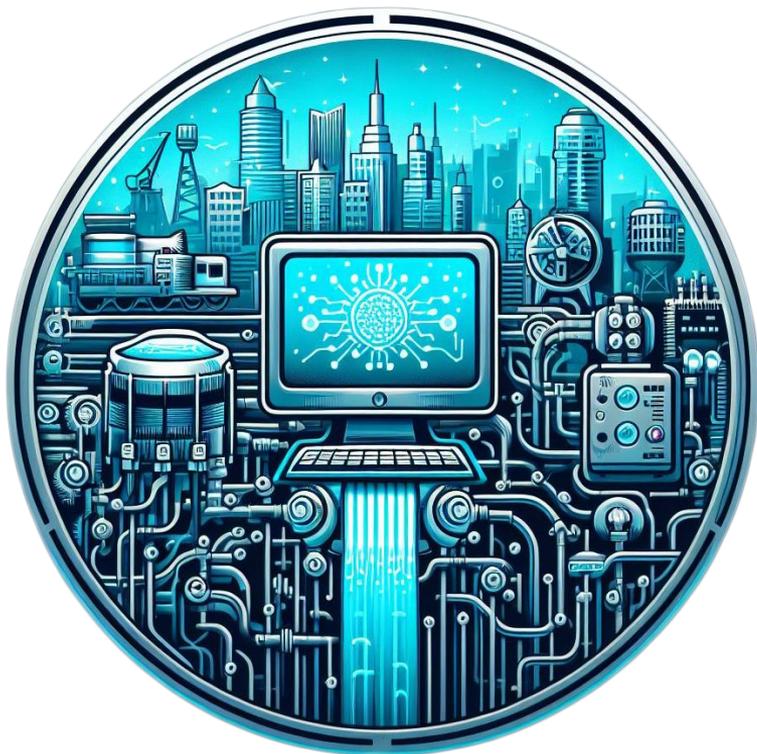


 **CROWDSTRIKE**

FORTRA

BATTELLE
It can be done


RSM



CRITICAL CONTROLS: PROTECTING OUR INFRASTRUCTURE

Q&A