

Northeast Collegiate Cyber Defense League (NECCDL)





Welcome

- Outline:
 - League
 - NECCDC 2021
 - Q&A
- Please:
 - Hold spoken questions for Q&A time, OR
 - add written questions to Google Form:
<https://forms.gle/4Nsp2wUHxEtMsFA77>



Mission

NECCDL exists to reduce the administrative burden required to organize, host and execute the annual NECCDC competition. Those repetitive administrative burdens that would clearly benefit from centralization and year-to-year continuity are our charge.

The Competition Director is our customer. They remain responsible for the planning and execution of the competition, and for appointing competition volunteers.



Who?

- President: Devin Paden (Champlain, 2019 Director)
- VP: Justin Pelletier (RIT, 2021 Director)
- Secretary: Joe Eastman (Champlain)
- Sponsorship Outreach: Damira Pon (UAlbany)



Mandate

- Shared Services
 - Productivity Suite (G-Suite)
 - Learning Management System
 - Other Communications (Slack, Twitter)
 - Team Registration/Payment (PayPal)
 - Web Presence (<https://neccdl.org>)
 - Competition site embedded (<https://neccdl.org/neccdc/>)
 - Hosting Provider (DigitalOcean)
 - Source Code Repository (github)
 - ...
- Regional Sponsorship Coordination
 - Consistent regional approach to sponsorship & coordination
 - Sponsor Coordinator (For 2021 Season, Damira at UAlbany)
- Equipment
 - Shared pool of laptops and other competition equipment



Administration and Funding

- Funded by annual team registration fee & League sponsors.
- 3-person Board of Directors who elect League officials.
- Current Competition Director is a member.
- Directors have 1-3 year term limits & voted on at NECCDC Regional.
- League member institution delegates with voting rights not present at NECCDC Regional will be invited via remote conference to participate



Benefits

- Institutions that enter 2nd year of membership, separated by no more than 2 years from initial membership, gain voting privileges for future League decisions.
 - One vote allowed for each member institution.
 - Institutions that have qualified for NECCDC regional competition during & after NECCDC 2018 season are eligible for voting privileges if they become members
- Participation in current NECCDC season qualifier to determine eligibility for regional competition. Participation in regional competition at hosting institution only guaranteed for that institution's Blue Team, and no others.
- Training Resources
 - Ex: Cloud Service Credits, Course material for vendor technology, webinar sessions, etc
- League Community discussion
- League GitHub



League Membership Fee

- Provides League Membership for one NECCDC season
- Costs:
 - \$100 for new teams
 - \$250 for returning teams



Coach Responsibilities for the League

- Primary point of contact for League to send announcements
 - Responsible for relaying relevant parts to competitors in a timely manner
 - Communicate any inquiries from competitors to the League
- Be aware and knowledgeable of competition rules
- Represent Academic Institution as a League delegate in voting decisions
- If a team should pass qualifying round, attend regional event in March
- Serve as emergency contact during competitions
- Complete League membership signup & provide payment for membership fee
- Coordinate local white team judges for qualifier event, providing contact information for judges to League by set deadline
- Compile and submit provided team roster form (& other necessary documentation) by set deadline



League Registration

- League Membership Signup at neccd.org is open
- <https://neccd.org/neccd/join/>
 - Registration fee can be paid via PayPal (Accepts Cards)
- For more information: <https://neccd.org/neccd/faq/>

NECCDC 2021 Season

An Overview



RIT | **Rochester Institute of Technology**



Who?

- NECCDC 2021 Director: Justin Pelletier
- White Team Co-Captains: Yin Pan & Sumita Mishra
- Black Team Captain: Rob Olson
- Red Team Co-Captains: Daryl Johnson & Dan Becker



Black Team Brief

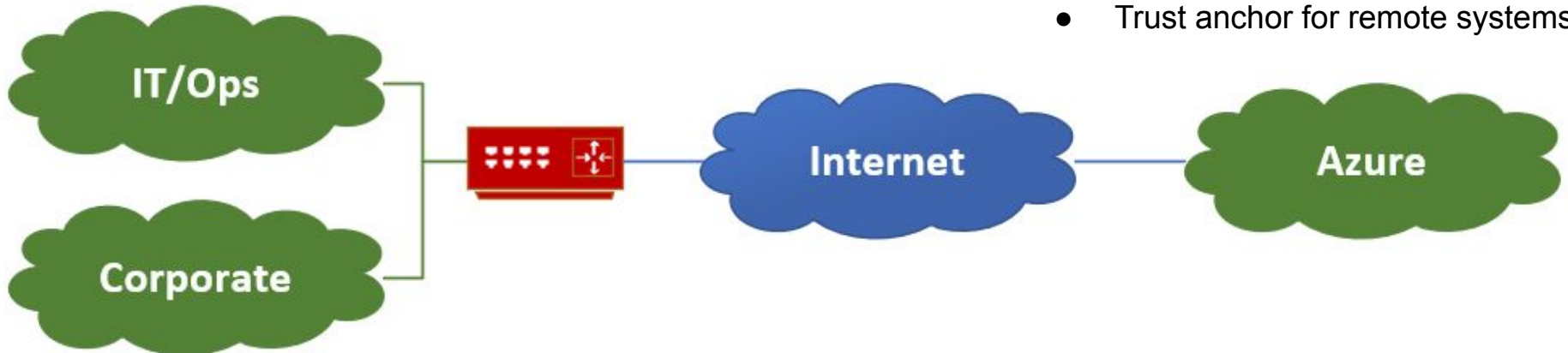
- Theme: Mobility
 - People / Systems / Data can all move
 - User functionality is not limited by used location
- Scenario: 24 / 7 Global News Bureau
 - COVID-19 exists in the scenario
 - Employees need to work from home, news bureau employees naturally work from many locations
 - Cloud, cloud, cloud!
 - News agencies have been the target of advanced persistent threat actors
 - Zero trust, particularly for remote employees
 - Governments may be interested in data that your news agency has
- Red Team Focus Shift
 - CCDC has been traditionally focused on availability
 - News agencies need to focus on confidentiality (sources!) and data integrity (fake news!).



High-level Quads Network Diagram

- Classic systems/services (www/dns/mail/etc)
- Trust anchor for on premise systems (AD)
- Systems that facilitate field/WFH efforts (chat/vpn/collaboration)

- Field / WFH Users
- Users must be able work
- Trust anchor for remote systems



- Systems used by on-premise users
- File servers



Key Dates for NECCDC 2021 Season

- Signup to Join the League Open: <https://neccd.org/neccd/join/>
- Roster Submission Open: <https://tinyurl.com/y3xec7eu>
 - League Member Institutions will be provided information on Team Roster Submission
 - **Through Nationals**
- January 10th, 2021: NECCDC 2021 Roster Submission Deadline
 - Early bird ends December 23, 2020
- January 11th, 2021: Qualifier Overview & access test
- January 23th, 2021: NECCDC 2021 Remote Qualifier
- TBD February 2021: Qualls Outbrief & Regional Overview
- March 19th - 21nd, 2021: NECCDC 2021 Remote Regional Event
 - 10 teams who qualify will compete for which will advance to Nationals
 - 2021 Remote Cybersecurity Symposium
 - League Member Institution Delegates(Coaches) will meet to discuss future NECCDL topics



NECCDC Resources for League Members

- New or returning team orientation
 - Focused on new team orientation for qualifier prep
 - Conducted by UBuffalo Coach: Dave Murray
 - Offered to registered League members
 - Reach out to orientation@neccd.org if interested



Q&A