

**Northeast Collegiate
Cyber Defense
Competition
(NECCDC) 2023**

Qualifier: Jan 28, 2023

Regional: Mar 10 - 12, 2023

*Hosted
by:*



*In
coordination
with:*



NECCDC 2023 Information Session #2 Outline



- Black Team Update
- On-Site & Other Reminders
- Q&A (please hold questions until Q&A)

Info Session #2

Black Team

Update



Resilient Cloud Infrastructures

Modern **cloud** providers, **containerization**, and **orchestration** technologies have enabled organizations to massively **scale** their infrastructures. At the same time, the presence of **availability zones** has enabled organizations to guarantee **high availability** (> 99.99%) of critical services. These massively scalable, highly available and public infrastructures present unique security challenges that require innovative security solutions. This year's qualifier and regional competition will focus on the multitude of **techniques that ensure enterprise network uptime, security, and flexibility** – when operating at massive scale.

NECCDC 2023 Black Team Updates

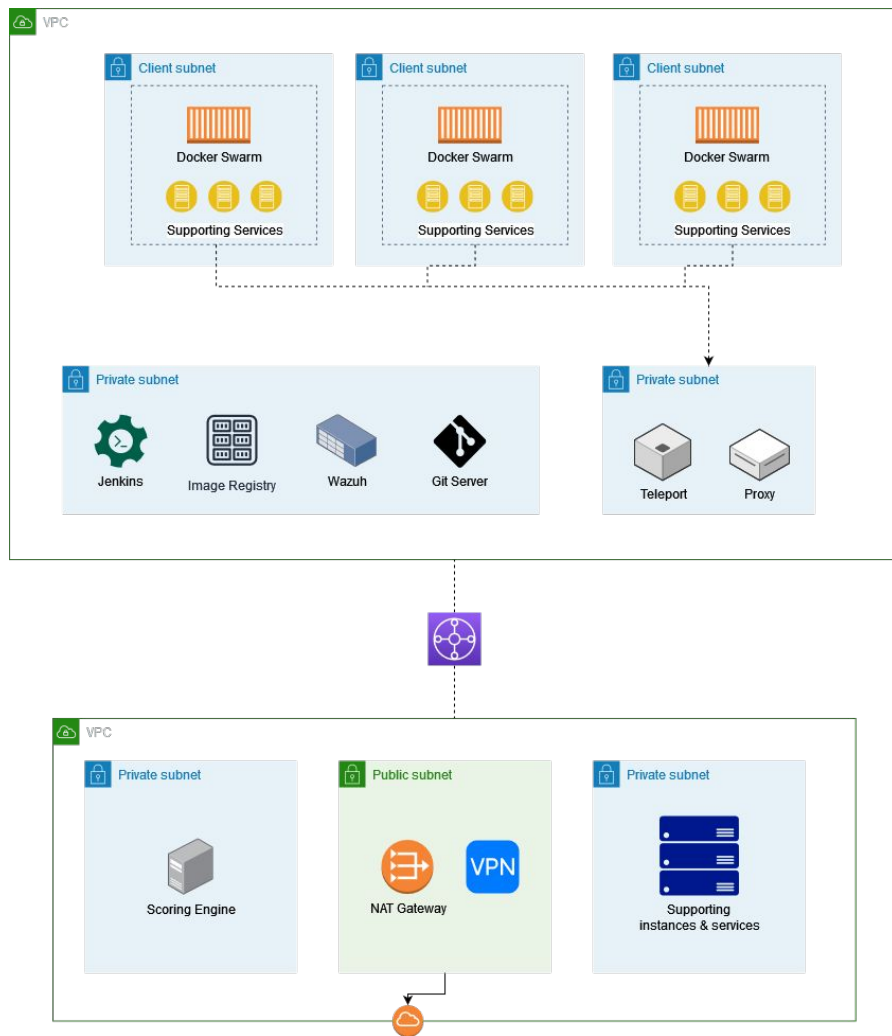


- Scenario - Medium-sized Software-as-a-Service (SaaS) company migrating to cloud infrastructure. Small number of clients with specific set of services. If their new cloud launch goes well, they could be expanding their services in the future!
- Core focus
 - Resiliency
 - High Availability
 - Distributed File Systems
 - Vulnerability management
 - CI/CD pipelines
 - Endpoint security

Blue Team Preparation



- Confirmed services
 - [Jenkins](#)
 - Git
 - [Wazuh](#)
 - [Docker Swarm](#)
- Preparation
 - Get comfortable with containers.
 - Much of the same training philosophy applies, more emphasis on containers this time
 - [Dockerfiles](#), container [networking](#), [volumes](#), [capabilities](#), image [registries](#), [mesh networking](#)
 - No complex use of AWS specific technology... for now, at least ;)
 - Possible [S3 bucket](#)(s), no other AWS resources in scope for qualifiers.
 - Jenkins jobs, [pipelines](#), Git integration, [secrets management](#)
 - Jenkins can be used for more than just running code tests!



NECCDC 2023 High-Level Architecture

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Info Session #2

On-Site & Other

Reminders



NECCDC 2023 Important Dates



- Signup to Join the League Open: <https://neccd.org/neccd/join>
- Roster Submission Open: <https://www.surveymonkey.com/r/2023CCDC>
 - League Member Institutions will be provided information on Team Roster Submission
 - **Through Nationals**
- January 20, 2023: NECCDC 2023 Roster Submission Deadline
 - The earlier team's are registered, the sooner they have access to resources
- January 21, 2023: Qualifier Access Test
- January 28, 2023: NECCDC 2023 Qualifier
- TBD February 2023: Quals Outbrief & Regional Overview
- March 10 - 12, 2023: NECCDC 2023 Onsite in Lowell, MA
 - 10 Teams who qualify will compete for who will advance to Nationals
 - League Member Institution Delegates (Coaches) will meet to discuss future NECCDL topics

NECCDC 2023 Qualifier On-Site Reminders



- Qualifier is expected to have on-site room moderators
- Coaches provide 2-5 names / contact information for moderators with some background in IT, not employed / going to school at institution, ideally familiar with cyber defense competitions
- For each moderator provide:
 - full name, title, org, email, phone, relation to institution
- Moderators should be aware of National CCDC rules:
<https://nationalccdc.org/index.php/competition/competitors/rules>
 - Non-competitors (coaches, alternates, etc.) should not be in competition space
 - Coach(es) should be accessible to respond to any emergency situation(s)

Q&A

