



HAWKEYE COMMUNITY COLLEGE

REDTAILS CYBER

November 9, 2024

In-Person

Number of Teams	Max Team Points Received	Min Team Points Received	Mean Team Points Received	Total Points Possible
94	9153	1350	6115.31	10,000

TEAM 96 SCORECARD

This table highlights the *team's* efforts for the 2024 CyberForce Competition®.

Score Category	Team Points	Percent of Points	Team Ranking
Anomalies	672	33.60%	40
Security Documentation	0	0.00%	88
C-Suite Panel	490	49.00%	91
Red Team	713	28.52%	80
Blue Team	1210	60.50%	84
Green Team Surveys	225	15.00%	88
<i>Deductions</i>	0		
Overall	3310	33.10%	88

ANOMALY SCORING

Anomalies simulate the real-world challenges that cybersecurity professionals face daily in the industry. These carefully crafted challenges not only test technical skills but also emphasize daily time management skills that professionals must demonstrate to effectively perform their roles. Most anomalies are mapped to the NIST NICE Framework and fall into one of seven work role categories: *Oversight & Governance, Design & Development, Implementation & Operation, Protection & Defense, Investigation, Cyberspace Intelligence, and Cyberspace Effects*. Some anomalies may also be categorized as *Energy* or *Other*. For those mapped to the NIST NICE Framework, their will include the mapping to associated knowledge, skill, ability, and task roles within its respective category, offering students with a comprehensive idea of the wide range of responsibilities cybersecurity professionals face while in the field.

Anomaly Score | 672

Below highlights whether the anomaly was correct or incorrect for your team.

1	yes	27	Not Answered	53	Not Answered
2	no	28	no	54	yes
3	yes	29	no	55	yes
4	yes	30	Not Answered	56	yes
5	yes	31	Not Answered	57	yes
6	yes	32	Not Answered	58	yes
7	yes	33	Not Answered	59	yes
8	yes	34	Not Answered	60	yes
9	yes	35	Not Answered	61	yes
10	yes	36	no	62	yes
11	no	37	yes	63	yes
12	yes	38	Not Answered	64	yes
13	yes	39	Not Answered	65	Not Answered
14	yes	40	yes	66	Not Answered
15	yes	41	Not Answered	67	Not Answered
16	yes	42	Not Answered	68	Not Answered
17	yes	43	Not Answered	69	Not Answered
18	yes	44	Not Answered	70	yes
19	yes	45	no	71	yes
20	yes	46	Not Answered	72	yes
21	yes	47	Not Answered	73	Not Answered
22	yes	48	Not Answered	74	yes
23	Not Answered	49	Not Answered	75	Not Answered
24	Not Answered	50	yes	76	yes
25	Not Answered	51	yes	77	yes
26	Not Answered	52	yes		

ORANGE TEAM

SECURITY DOCUMENTATION

Blue team participants should use the Security Documentation section as an opportunity to highlight unique approaches to securing their infrastructure.

Security Documentation Score	0
<i>Strong Points</i>	<i>Areas of Improvement</i>
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C-SUITE PANEL

C-Suite Panel will be a pre-recorded video based on the task outlined in this document. This video should be recorded and placed somewhere accessible to judges.

C-Suite Panel Score	490
<i>Strong Points</i>	<i>Areas of Improvement</i>
<ul style="list-style-type: none">• A strength of this entry were the technical recommendations to recover from such an incident. The examples listed by the project team mirror those that a real-world management team would need to receive updates on to effectively lead a company back from the stated consequences. In this way, the mock update was effective, impactful, and great experience.• The video adhered to the designated time frame. Each presenter was addressed in a professional manner and did not rely on reading directly from the screen. The team effectively linked different sections and highlighted the importance of the content for the government customer.• Top priority actions were concise and at an appropriate level technical• Thorough, smooth, and tailored presentation of risk, strategy, and priority recommendations across the board. The sense of urgency to implement solutions was strong and beneficial to the overall pitch.	<ul style="list-style-type: none">• This entry could have been improved by spending additional time to prepare. Speaker notes are certainly acceptable, however, at times team members were reading from a script without a sense of urgency or importance. In these ways, the video did not mirror what the scenario is striving to represent.• I recommend incorporating risk probabilities to provide leadership with a clearer understanding of the quantifiable impacts. Additionally, please consider referencing specific software along with their associated costs to elucidate the financial investment required for each recommendation.• How do the risks directly relate to what the C-Suite cares about? Attempt to quantify them and tie them to your strategies.• Avoid presenters reading directly from paper to address key points

RED TEAM SCORING

RED TEAM FLAG INPUTS (ASSUME BREACH & WHACK A MOLE)

This year we will be using **Assume Breach** for part of your Red team score. This will be worth 1000 points. The purpose of the assume breach model is for your team to investigate and accurately report back incident details after experiencing a successful execution of an attack chain. The **Whack**

a **Mole** portion of the Red team score will be worth 750 *points*. This will be done in a traditional method of “hacking” through holes created through known vulnerabilities in the system.

Assume Breach									
AB1	AB2	AB3	AB4	AB5	AB6	AB7	AB8	AB9	AB10
0	0	0	0	0	0	50	25	0	0

Whack a Mole	
WAM1	WAM2
0	187

AUTOMATED SCRIPT CHECK – VULNERABILITY

This portion of the Red team score will be worth 750 *points*. This will be done via an automated scripted check.

Automated Script Score	450
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BLUE TEAM SCORE

The Blue team scoring (service scans) is completely based on the Blue team’s ability to keep services active. In an industry environment, every security professional’s primary responsibility is to keep business operational and secure. Service uptime is based on the required services and their respective uptimes. Teams earn points for each availability scan that results in positive service uptime for a total of 2000 points. Throughout the day, services will be validated as operational by the scoreboard polling system. Each service is scored and weighted the same, which means availability is scored purely on the service being operational.

Service Scans	AI Algorithm Score
810	400

GREEN TEAM SCORE

The Green team will review and complete surveys to evaluate each Blue team system’s usability and user experience. Points will be awarded based on the user’s ability to complete the tasks outlined in the user acceptance testing guide at the end of this document. The Green team will assess their ability to validate these tasks. The guide that will be provided to Green team users is available in the Rubrics section. It is in your best interest to run through this user testing to ensure that you can complete all the steps they are.

Green Team Score
225