

Tatanka Nebraska Cyber Security Exercise

Dylan Ray Cooper



What is it ?

- Tatanka is an event created to strengthen the amount of Cyber Security professionals.
- More or less a way to train civilian and military individuals, all to potentially make a group better capable of protecting the future Cyber World from foreign or domestic threats.



What type of Exercise were used?

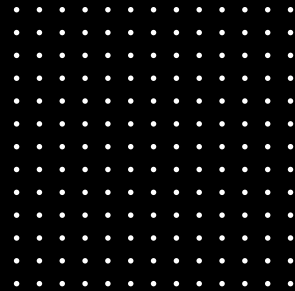
- Red vs Blue game
- Keep in Mind - the training was not set up for anyone to win.
- The training was designed to train everyone in the skill of defending and attacking on the network level.
- There was a Purple Team there to assist the blue team.





1000 Galvin Rd S, Bellevue, NE 68005

Where was it
being held?



Bellevue University in
Nebraska (Blue Team)

The Volunteers from
hosts (Purple Team)

New York (Red Team)

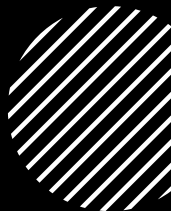
Who was permitted to attend?

- The training wasn't for every civilian who mainly employed cybersecurity individuals from different parts of Nebraska and states.
 - Lots of Military groups from different branches of the United States and ally countries like Ukraine.
 - Students from various colleges and Universities
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Who set it up?



The event was built and sponsored by several Corporate and Military Groups.



Nebraska National Guard and Public Power and Distributions



How long did it last?

- The entire event lasted two weeks.

Course	Level	Location	Pax Avail	Instructor	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul
OTE	Management	Room 566	30	SFC Lane	0900-1600	0800-1600	0800-1600	0800-1600	0800-1600
Range Validation	Basic Technical	Classrooms/Virtual	All	N/A	0800-1200				
BlackHills SOC Core Skills	Basic Technical	Room 567/Virtual	50	TBD		0800-1600	0800-1600		
BlackHills Active Defense	Adv Technical	Room 567/Virtual	50	TBD				0800-1600	0800-1600
Forensics	Technical	Room 568	30	SSG Scroggins		0800-1600		0800-1600	
Cyber Defense Planning	Basic Technical	Room 568	30	MAJ Hull			0800-1600		
FBI Threat Brief	Basic Technical	Auditorium	All	SA Saad					1300-1400

The First week

- Training

The second week

- Exercise
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Date	Activity	Time	Room
9-Jul	Setup	1300-1500	Bellevue University
10-Jul	Registration	0700-0800	Humanities Center
10-Jul	Introduction Brief	0800-0900	Auditorium
10-Jul	Classroom Instruction	0900-1600	Room 566
11-Jul	Classroom Instruction	0800-1600	Room 566, 567
12-Jul	Classroom Instruction	0800-1600	Room 566,567, 568
13-Jul	Classroom Instruction	0800-1600	Room 566, 568
13-Jul	Social	1700-2000	DJ's Dugout Bellevue
14-Jul	Classroom Instruction	0800-1600	Room 566, 567, Auditorium
15-Jul	Weekend		
16-Jul	Weekend		
17-Jul	Range Time	0800-1600	Most of the rooms
17-Jul	Hotwash	1600-1700	Most of the rooms
18-Jul	Range Time	0800-1600	Most of the rooms
18-Jul	Hotwash	1600-1700	Most of the rooms
19-Jul	Range Time	0800-1700	Most of the rooms
19-Jul	Hotwash	1600-1700	Most of the rooms
20-Jul	Range Time	0800-1600	Most of the rooms
20-Jul	Hotwash	1600-1700	Most of the rooms
20-Jul	DV Registration	0915-1000	Humanities Center
20-Jul	DV Introduction/Overview	1000-1030	Auditorium
20-Jul	DV Walkthrough	1030-1130	Most of the rooms
20-Jul	DV Lunch	1130-1230	Bellevue University Commons area (catered)
20-Jul	Civilian DV breakout session	1230-1330	Room TBD
20-Jul	Military DV breakout session	1300-1400	Room 207
21-Jul	Range Time	0800-1200	Most of the rooms
21-Jul	After Action Report/Awards	1200-1300	Auditorium
21-Jul	Cleanup	1300-1400	Auditorium
	Lunch everyday	1200-1300	
	Hotwash 17 - 20 July	1600-1700	

What did the training pertain?

Participants were trained on the various programs used in the exercise and prepared for the potential attacks they may see.

Programs Used

- Security Onion
- pfSense
- Linux Enterprise architecture
- Windows 10 Server architecture



Simulated Attacks

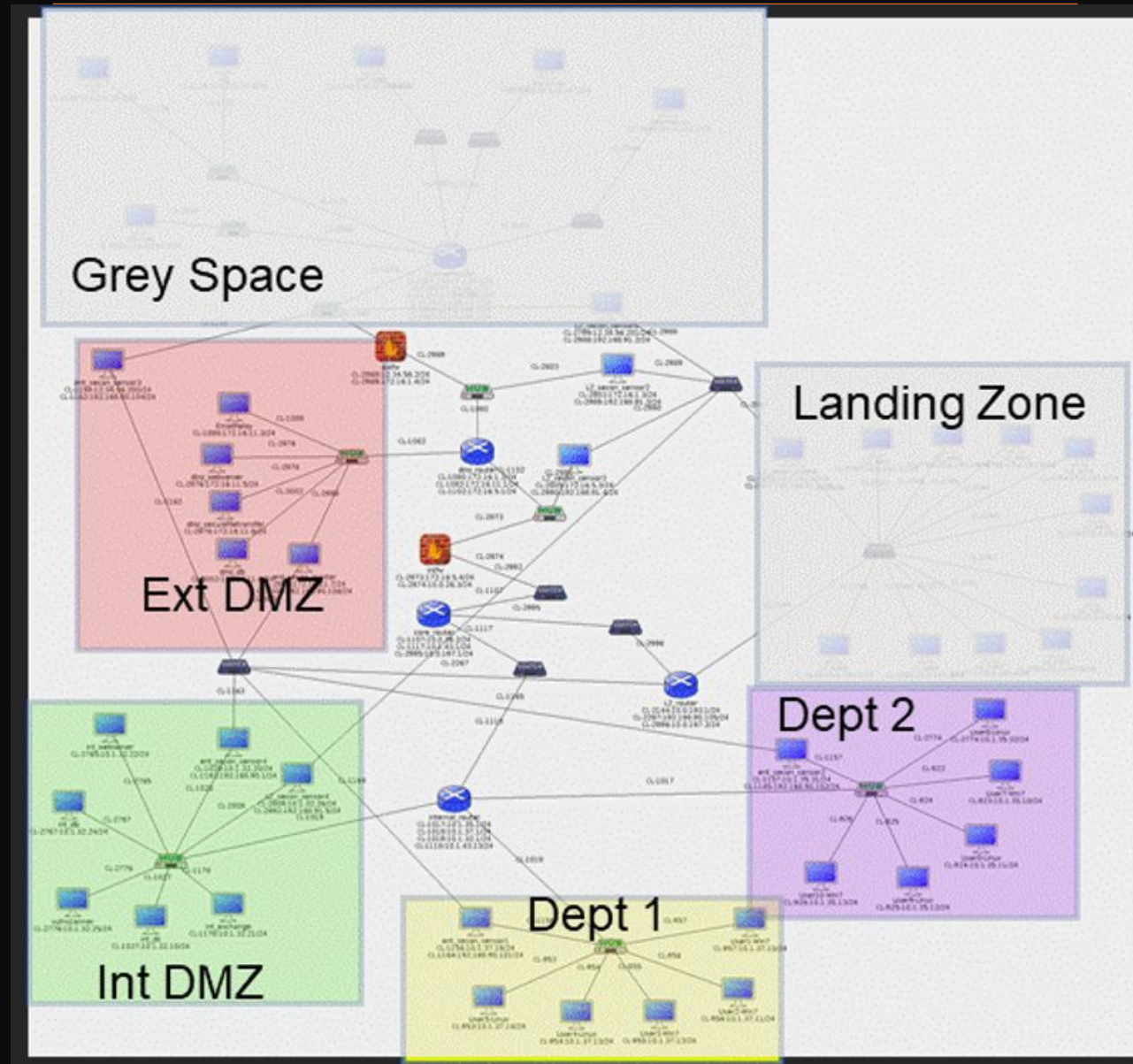
- Zero Day Attacks
- Brute Force
- Fake Employee

How did the exercise start?

- Ceremony
- Then dispersed to the enclave rooms.
- On the first day, we introduced ourselves and rated our skill levels.
- This put us in our daily work groups.
- Every day prior to the first simulation, what may a cybersecurity team at a large business feel like.



What the Network Architecture looked like





CERTIFICATE OF TRAINING

This certificate is awarded to

DYLAN COOPER

as proof that the above has completed 80 hours of continuing education by participating in the Cyber Tatanka Exercise.

Cyber Tatanka is an exercise that tests and educates a person's cyber defensive and incident response skills to leverage the knowledge of the MITRE ATT&CK Framework, NIST Cyber Security Framework (CSF), and NIST Risk Management Framework (RMF)

Given on this 21st day of July, 2023 at the Bellevue University

PATRICK WRIGHT
Chief Information Security Officer
State of Nebraska

NEBRASKA
OFFICE OF THE CIO



What enclave was I in?

Enclave 6

Enclave	Room	Organization	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	Total
1	202	LES	10	10	10	10	10			11	11	11	11	11	12
		177th Information Aggressor Sq	1	1	1	1	1			1	1	1	1	1	
2	203	NPPD	12	12	12	12	12			12	12	12	12	12	12
3	208	DCO-E	13	13	13	13	13			13	13	13	13	13	15
		Czech Republic	2	2	2	2	2			2	2	2	2	2	
4	209	Bryan Health	6	5	5	5	5			6	6	6	6	6	6
		Physician's Mutual	1	1	1	1	1			1	1	1	1	1	1
		Czech Republic	2	2	2	2	2			2	2	2	2	2	2
		Methodist	3	3	3	3	3			3	3	3	3	3	3
		NE Guard - 67th MEB	2	2	2	2	2			2	2	2	2	2	2
5	210	Blue Cross	11	11	11	11	11			11	11	11	11	11	16
		Kiewitt	5	5	5	5	5			5	5	5	5	5	
6	211	NEMA	2	2	2	2	2			2	2	2	2	2	2
		State of Nebraska	6	6	6	6	6			6	6	6	6	6	6
		Nebraska State Patrol	2	2	2	2	2			2	2	2	2	2	2
		Czech Republic	2	2	2	2	2			2	2	2	2	2	2
7	545	Air National Guard/Comm flight	13	13	13	13	13			13	13	13	13	13	13
8	546	Ukraine	2	2	2	2	2			2	2	2	2	2	2
		UBT	6	6	6	6	6			6	6	6	6	6	6
		168th Cyber Operations	4	4	4	4	4			4	4	4	4	4	4
9	547	OPPD	6	6	6	6	6			6	6	6	6	6	12
		NMPE	6	6	6	6	6			6	6	6	6	6	6
10	549	Czech Republic	1	1	1	1	1			1	1	1	1	1	1
		ESU3	8	8	8	8	8			8	8	8	8	8	8
		Midland University	2	2	2	2	2			2	2	2	2	2	2
		Metro Community College	2	2	2	2	2			2	2	2	2	2	2
11	570	City of Lincoln	7	7	7	7	7			7	7	7	7	7	7
		Sarpy County	2	2	2	2	2			4	4	4	4	4	4
		MUD	2	2	2	2	2			2	2	2	2	2	2
	206	Command Cell	7	7	7	7	7			7	7	7	7	7	0
Total															144

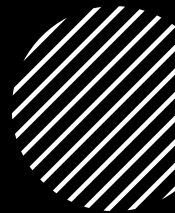


How did my Enclave do?

Ours did rather well. We started off slowed
but excelled past what we thought towards
the end.



Will there be more Tatanka?



Yes, more Tatanka will be available in 2025.



2024 has already concluded.



Reach out to the event coordinator for participation.



Any Questions
,Comments, or
Concerns



Special
Thanks



The image features a central white circle with a thick green border. Inside this circle, the text "The End" is written in a white, sans-serif font. Surrounding the central circle are various abstract elements: a white zigzag line on the left, a small orange circle at the bottom left, a larger orange circle at the top right, a set of four parallel white diagonal lines on the right, and a large orange circle at the bottom right. The background is solid black.

The End



Citations

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