

A blue parallelogram and a light green parallelogram are positioned in the top-left corner of the slide. The blue shape is partially behind the green one. Both shapes are oriented diagonally, with their longer sides running from the top-left towards the bottom-right.

Cyber Quest

Level 0x0b



Quick Overview

- Events / Planning

Upcoming Events

- Cyber Quest
 - March 29
 - Teams are 3-5 students
- Team 1: Eshan, Saaketh, Dylan, Justin
- Team 2: Sam, Jay, Zachary
- 1-3 Laptops per team (no Lenovo brand)
- No cell phones, no cameras, no family members
- Lockheed Requirements
 - Bring IDs / Passports





Food / Sustenance

Breakfast Buffet Style, by Cracker Barrel:

- Buttermilk pancakes with 100% Pure Natural Syrup
- Homemade Buttermilk Biscuits with Sawmill Gravy or real butter n' Preserves
- Ham, Egg n' Cheese Hashbrown Casserole
- Scrambled Eggs
- Breakfast meat
- Thick-Sliced Bacon
- Smoked Sausage Patties
- Fried Apples

Lunch Buffet Style, by 4 Rivers

Meats:

- Signature Angus Beef
- Pulled Pork
- Pulled Chicken
- Black Bean Burger (Vegan)

Sides:

- Mac & Cheese (Vegetarian)
- Smokehouse Corn (Vegan)
- Roasted Vegetables (Vegan)
- Black Beans & Cilantro Rice (Vegan)
- Southern Coleslaw (Vegetarian)

Dessert: Assorted Cookies



Schedule

7:30 a.m.	Teams assemble outside / parking
8:00 am	Team Registration
8:30 am	Workstation setup and breakfast
9:30 am	Welcome Introduction and kickoff
10:00 am	Competition begins
1:00 pm	Competition ends – Lunch, speakers/activities
1:45 pm	Awards / Photos
2:00 pm	Departure

Re//verse Conference

- Every reverse engineering / offensive security company in town
 - Vector35 (makers of Binary Ninja)
 - Nightwing
 - Research Innovations
 - Cromulence
 - Red Lattice
- [Youtube Playlist of Talks](#)
 - Original Xbox hacks



Polish Train Hackers

- Many trains failing after repair service change
- Hackers asked to help fix
- Found Newag inserted logic bombs

Lockup mechanisms: 'Emergency stop' signal

Train	CANopen traffic
40WE-022 Working	ID: 0x0212 Payload: 01 0f 0b 0b 0b 0b 52 00 Sent by CPU on CAN1
40WE-023 Locked up	ID: 0x0212 Payload: 01 0f 00 00 00 00 52 00 Sent by CPU on CAN1

37C3 UNLOCKED



New facts about the railway scandal. The Newag train stopped again because December 21st has come

LUKASZ CIESLA | TOMASZ MATEUSIAK | December 21, 2023, 4:19 PM

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Cybersecurity experts have accused Newag of deliberately introducing digital blockades on its trains in order to later make money on their repairs. One of the blockades was that a train running for the Polregio company in the Lubuskie province stopped on November 21 and December 21. As Onet has learned, the train did indeed stop on those dates.



Code Quest Results




Team (over 100 teams in Orlando)	Division	Points	Division Rank	Site Rank
Code Claws (Eshan, Saaketh, Charles)	Advanced	310	5th	6th
West Shore 2 (Samuel, Jay, Zachary)	Advanced	205	9th	10th
West Shore 3 (Carsyn, Parker, Justin)	Advanced	175	11th	12th
West Shore 1 (Ian, Nathan, Jasper)	Novice	155	3rd	17th

picoCTF

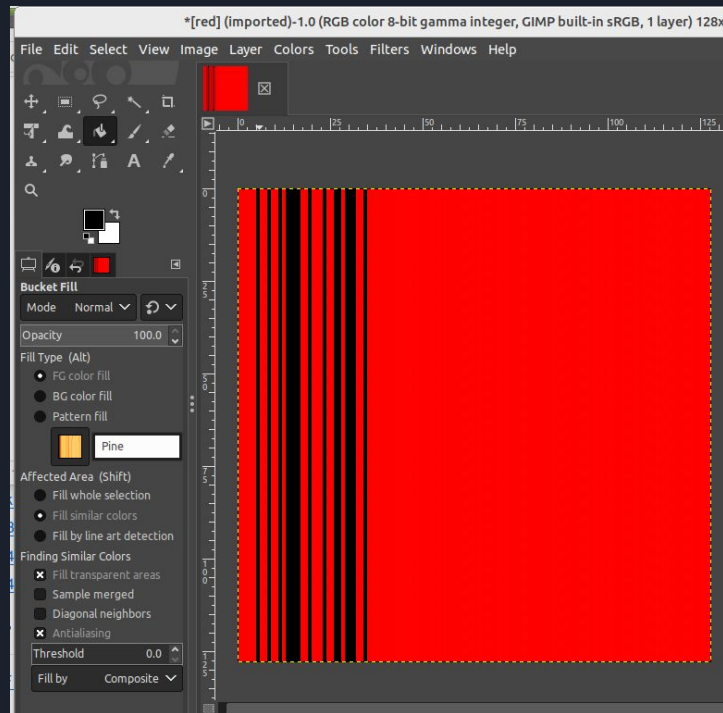
- [My writeups](#) - 3,396th place
- [Sam's Team](#) - 732nd place

732  Corvine Boys 3310

3396  Frank Garcia 510

High School Leaderboard (> 1,100 schools):

81  Corvine Boys 3310



Secrets with Writeups...

Challenge

Secrets within writeups?

150

Have you checked the writeups for the CTF challenges, or submitted one of your own writeups. Sometimes the solution a player comes up with is not at all what the challenge creator imagined. So checking out the writeups for a challenge may reveal a new way to approach a challenge that you didn't know about.

Also, after a CTF finishes, you will often have some challenges that you were unable to solve, but you tried to figure out during the content. Go find the writeups for the challenge at [CTF Time](#). Read up how other players solved it, and then you will have a tool / hack for your next CTF.

For this challenge I want you to go look at the writeups for some of the CTF challenges you have solved in Wildcat CTF. One of the writeups has a secret!

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Wildcat CTF 2024 Writeups!

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Solution for Matroyshka Containers

Download the file and perform a directory listing. The file extension is the typical indication of what kind of file it is. If you have never used any of these tools, the [Wikipedia has a large list of file archive formats](#).

But this challenge features some very common ones that will frequently be seen in day to day engineering and software development spheres.

```
$ ls
zip_files_are_easy_for_windows.zip
$
```

Extract the file:

```
$ unzip zip_files_are_easy_for_windows.zip
Archive:  zip_files_are_easy_for_windows.zip
creating: zip_files_are_easy_for_windows
extracting: zip_files_are_easy_for_windows/standard_linux_file_compression.tgz
$
```

Just keep using the `cd` command to go into the next directory, and then `ls` command again to see the file extension.

Extension	Extraction command	Notes
zip	unzip test.zip	pkZIP format created in 1989, well after others, but became and remains popular. Most common on Windows operating systems.



Secret Store

- How do we SSH with an identity key?
- How do we chmod the identity key?
- How do we run `secret_store`?
- What is the password?



Brain Rot



Attributions

- <https://wiadomosci.onet.pl/kraj/skandal-na-kolei-pociag-newagu-stanal-bo-znowu-nadszedl-21-grudnia/41mdspf>