



+ ARPA 



AIxCC
AI CYBER CHALLENGE

PATCHING CRITICAL INFRASTRUCTURE

**Announcing the Winners of
DARPA's AI Cyber Challenge**

Andrew Carney



Replicator, "Star Trek"



Autodoc, "The Expanse"

“

*Any sufficiently
advanced technology is
indistinguishable from
magic.*

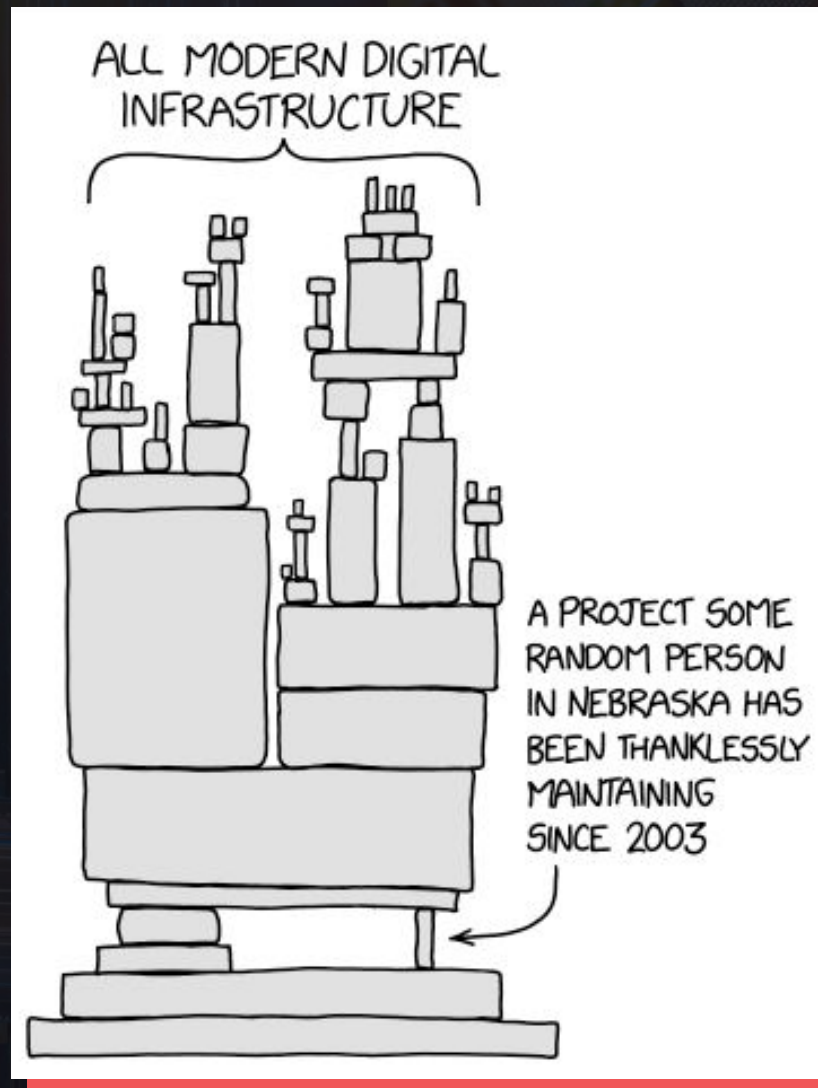
- Arthur C. Clarke



Replicator, "Star Trek"



Autodoc, "The Expanse"



Unsophisticated Cyber Actor(s) Targeting Operational Technology

Release Date: May 06, 2025



Replicator, "Star Trek"

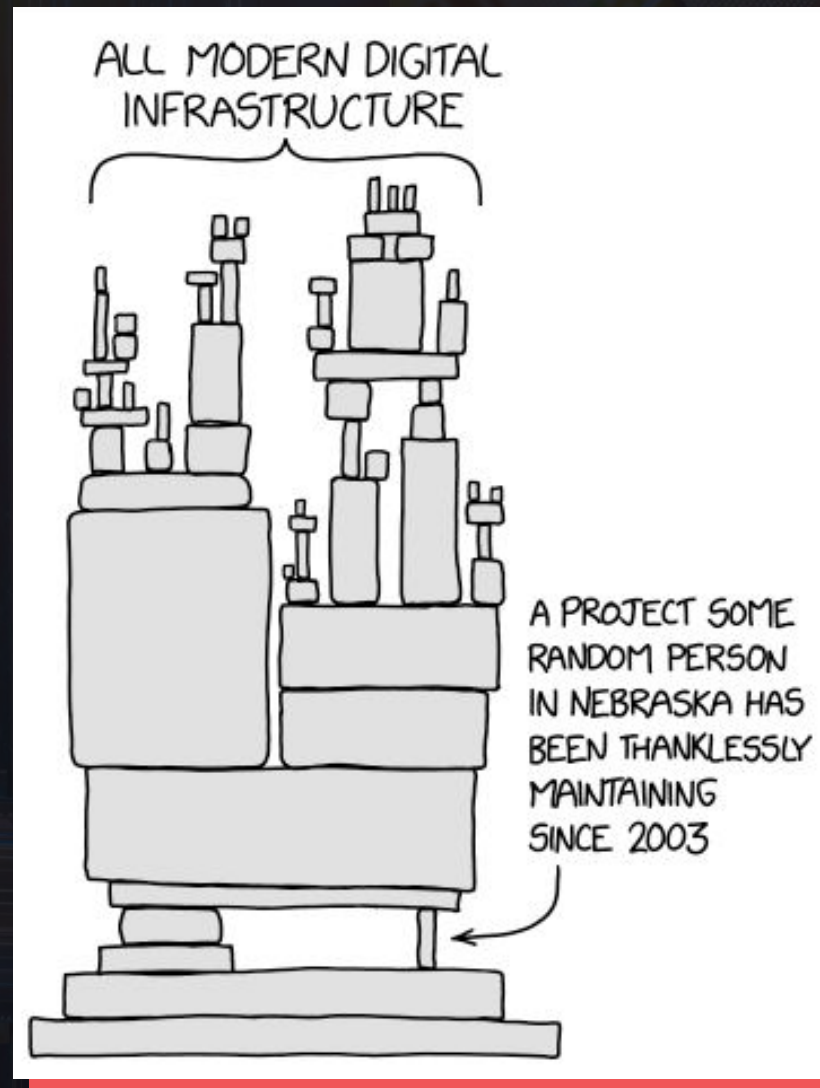


Autodoc, "The Expanse"

**Critical
infrastructure
vulnerabilities**



**are incompatible
with the future**



Unsophisticated Cyber Actor(s) Targeting Operational Technology

Release Date: May 06, 2025

OUR CRITICAL INFRASTRUCTURE DEPENDS ON OPEN SOURCE SOFTWARE AND IS VULNERABLE

We cannot move forward if critical vulnerabilities
can survive in our code for years





ProductsServicesPublications

Follow @Openwall on Twitter for new release announcements and other news

[<prev] [next>] [thread-next>] [day] [month] [year] [list]

Message-ID: <088f2e26-c56c-4045-a822-359d468cad2f@rub.de>
Date: Wed, 16 Apr 2025 19:28:58 +0200
From: Fabian Bäumer <fabian.baeumer@...de>
To: oss-security@...ts.openwall.com
Subject: CVE-2025-32433: Unauthenticated Remote Code Execution in Erlang/OTP SSH

Hi all,

we (Fabian Bäumer, Marcus Brinkmann, Marcel Maehren, Jörg Schwenk (Ruhr University Bochum)) found a critical security vulnerability in the Erlang/OTP SSH implementation. The vulnerability allows an attacker with network access to an Erlang/OTP SSH server to execute arbitrary code without prior authentication. This vulnerability has been assigned CVE-2025-32433 with an estimated CVSSv3 of 10.0 (CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H). The issue is caused by a flaw in the SSH protocol message handling which allows an attacker to send connection protocol messages prior to authentication.

Am I affected?


All users running an SSH server based on the Erlang/OTP SSH library are likely to be affected by this vulnerability. If your application uses Erlang/OTP SSH to provide remote access, assume you are affected.

CISA Adds Two Known Exploited Vulnerabilities to Catalog

Release Date: June 09, 2025

CISA has added two new vulnerabilities to its [Known Exploited Vulnerabilities \(KEV\)](#) Catalog, based on evidence of active exploitation.

- [CVE-2025-32433](#) of Erlang/Erlang/OTP SSH Server Missing Authentication for Critical Function Vulnerability
- [CVE-2024-42009](#) of RoundCube Webmail Cross-Site Scripting Vulnerability



Multiple Cisco Products Unauthenticated Remote Code Execution in Erlang/OTP SSH Server: April 2025

Critical

Advisory ID: cisco-sa-erlang-otp-ssh-xyzzy

First Published: 2025 April 22 21:45 GMT

Last Updated: 2025 June 11 14:40 GMT

Version 1.11: Final

Workarounds: No workarounds available

CVSS Score: Base 10.0

Download CSAF

Email

Cisco Security Vulnerability Policy

To learn about Cisco security vulnerability disclosure policies and publications, see the [Security Vulnerability Policy](#). This document also contains instructions for obtaining fixed software and receiving security vulnerability information from Cisco.

Subscribe to Cisco Security Notifications

Subscribe

Smart PHY ¹	CSCwo83751	25.2 (Sep 2025)
Ultra Services Platform ¹	CSCwo83750	No fix planned.
Routing and Switching - Enterprise and Service Provider		
ASR 5000 Series Software (StarOS) and Ultra Packet Core ¹	CSCwo83806	2025.03 (Jul 2025)
Cloud Native Broadband Network Gateway ¹	CSCwo83769	2025.03.1 (Aug 2025)
Node Manager ²	CSCwo83755	No fix planned.
Optical Site Manager for Network Convergence System (NCS) 1000 Series ¹	CSCwo83800	25.2.1 (Jun 2025) 25.3.1 (Sep 2025)
Shelf Virtualization Orchestrator Module for NCS 2000 Series ¹	CSCwo83774	25.1.1 (Jun 2025)
Ultra Cloud Core - Access and Mobility Management Function ¹	CSCwo83785	2025.03.1 (Aug 2025)
Ultra Cloud Core - Policy Control Function ¹	CSCwo83789	2025.03.1 (Aug 2025)
Ultra Cloud Core - Redundancy Configuration Manager ¹	CSCwo83753	2025.03.1 (Aug 2025)
Ultra Cloud Core - Session Management Function ¹	CSCwo83775	2025.03.1 (Aug 2025)
Ultra Cloud Core - Subscriber Microservices Infrastructure ¹	CSCwo83747	2025.03.1 (Aug 2025)
Unified Computing		
Enterprise NFV Infrastructure Software (NFVIS) ¹	CSCwo83758	4.18 (Aug 2025)
Routing and Switching - Small Business		
Small Business RV Series Routers RV160, RV160W, RV260, RV260P, RV260W, RV340, RV340W, RV345, RV345P ¹	CSCwo83803 CSCwo83767	No fix planned. ³

- While these products are vulnerable because they accept unauthenticated channel request messages, due to the product configuration they are not vulnerable to RCE.
- iNode Manager has reached end of software maintenance. [End-of-Sale and End-of-Life Announcement for the Cisco iNode Manager & Intelligent Node Local Control Software](#).
- These routers have reached end of software maintenance. [End-of-Sale and End-of-Life Announcement for the Cisco RV 160, RV260, RV345P, RV340W, RV260W, RV260P and RV160W VPN Routers](#).

erlang / otpPublic

Issues 336Pull requests 143ActionsProjectsWikiSecurity 6Insights

Unauthenticated Remote Code Execution in Erlang/OTP SSH

Critical u3s published GHSA-37cp-fgq5-7wc2 on Apr 16

Package	Affected versions	Patched versions
OTP	>= 17.0	27.3.3, 26.2.5.11, 25.3.2.20
ssh (OTP)	>= 3.0.1	5.2.10, 5.1.4.8, 4.15.3.12



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AIxCC
AI CYBER CHALLENGE



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AIxCC
AI CYBER CHALLENGE

WHAT IS AIxCC?

- A competition that rewards autonomous systems that find and patch vulnerabilities in source code.
- The challenges are well-known open-source projects.
- The vulnerabilities are realistic or real.
- Patching is worth more than finding.
- Code and data will be released open source.

Bug vs. vulnerability



Sometimes, magic is just someone spending more time on something than anyone else might reasonably expect.

- Teller (of Penn and Teller)

Bug vs. vulnerability



*Sometimes, **[a vulnerability]** is just someone spending more time on **[a bug]** than anyone else might reasonably expect.*

- Teller (of Penn and Teller)



Preliminary
events



Top 7
teams advance



black hat

AUGUST 2023

**OPEN TRACK AND
SMALL BUSINESS TRACK
SUBMISSIONS**



DEFCON

AUGUST 2024

SEMIFINAL COMPETITION

Top 7 teams \$2 million each



DEFCON

AUGUST 2025

FINAL COMPETITION

Winners announced


1ST: \$4 MILLION

2ND: \$3 MILLION

3RD: \$1.5 MILLION

Google

ANTHROPIC

 OpenAI

 Microsoft

 **THE
LINUX
FOUNDATION**

OpenSSF
OPEN SOURCE SECURITY FOUNDATION



SEMIFINAL COMPETITION OVERVIEW



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COLLABORATORS & PARTNERS

Google

ANTHROPIC

OpenAI

Microsoft

THE
LINUX
FOUNDATION

OpenSSF
OPEN SOURCE SECURITY FOUNDATION

blackhat

DEFCON

To help secure our critical infrastructure, teams created custom CRSs that competed in the AIxCC Semifinal Competition.

42 TEAMS
COMPETED



7 TEAMS ADVANCE
TO FINALS



59

synthetic vulnerabilities

5 CHALLENGE
PROJECTS



Linux Kernel



NGINX



Tika



Jenkins



SQLite



an AI budget
constraint of



each teams CRS had access to

3 nodes



each with

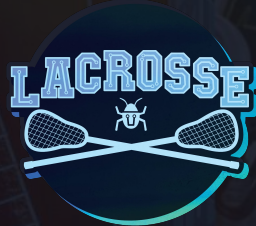
64 cores



256 GB RAM



FINALS
COMPETITION

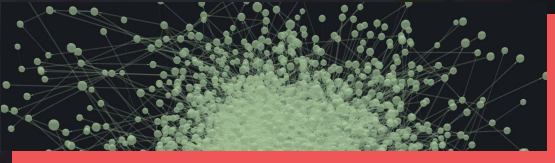


NOTE: Teams in alphabetical order.

Team Name (Alphabetical)	C				Java			
	Out-of-Bounds Read/Write (CWE-125 / CWE-787)	Integer Overflow (CWE-190)	Use After Free (CWE-416)	NULL Pointer Dereference (CWE-476)	Path Traversal (CWE-22)	Command Injection (CWE-77, CWE-78)	Deserialization (CWE-502)	Server-Side Request Forgery (SSRF) (CWE-918)
42-b3yond-6ug	Patched	Not Found	Found	Found	Not Found	Patched	Not Found	Not Found
all_you_need_is_a_fuzzing_brain	Found	Not Found	Found	Not Found	Not Found	Not Found	Not Found	Not Found
Lacrosse	Patched	Not Found	Found	Not Found	Not Found	Not Found	Not Found	Not Found
Shellphish	Patched	Not Found	Found	Patched	Not Found	Not Found	Not Found	Not Found
Team Atlanta	Patched	Found	Found	Patched	Not Found	Found	Not Found	Not Found
Theori	Patched	Not Found	Found	Patched	Found	Patched	Not Found	Patched
Trail of Bits	Patched	Not Found	Patched	Patched	Not Found	Not Found	Not Found	Not Found

Not Found Found Patched

What counts for semifinals?



Proof-Of-Vulnerability (POV)

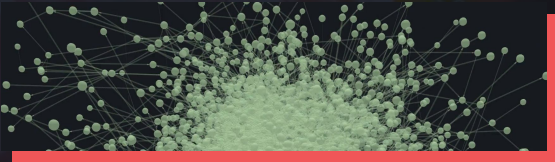
→ Input data to reproduce vulnerability crash in harness



PATCH

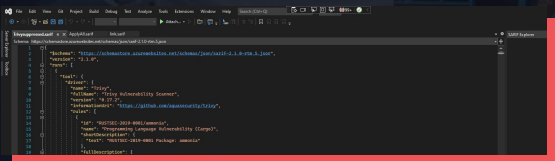
→ Unified diff source code fix for vulnerabilities

What counts for finals?



Proof-Of-Vulnerability (POV)

- Input data to reproduce vulnerability crash in harness



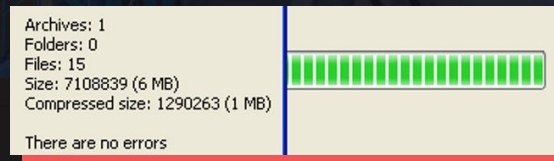
SARIF Assessment

- Structured reporting format for vulnerability details



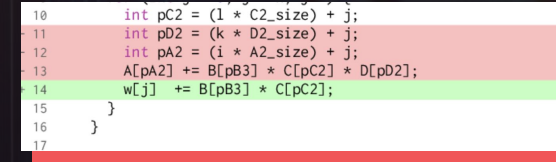
PATCH

- Unified diff source code fix for vulnerabilities



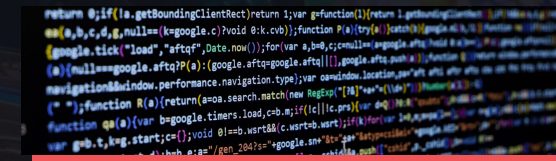
BUNDLE

- Grouping of related PoV, patch, and SARIF submissions



DELTA SCAN

- Challenge analyzing base code plus applied diff changes



FULL SCAN

- Challenge analyzing entire code base

All projects we adapted into challenges

SZN-TLS
XZ JSUP Mongoose LIBPOSTAL SALITE NDPI WIRESHARK
HERTZBEAT LIBAVIF HEALTHCARE-DATA-HARMONIZE PDFBOX OPENSSL
SYSTEMD SHADOWSOCKS-LIBEV DCMCHE LIBEXIF ZOOKEEPER
IPF LIBXML2 COMMON-COMPRESS LWIP POI
LOGGING-LOG4J2 CURL FREERTOS-KERNEL

Semifinal Competition CRS performance by vulnerability class - synthetic only

Team Name (Alphabetical)	C				Java			
	Out-of-Bounds Read/Write (CWE-125 / CWE-787)	Integer Overflow (CWE-190)	Use After Free (CWE-416)	NULL Pointer Dereference (CWE-476)	Path Traversal (CWE-22)	Command Injection (CWE-77, CWE-78)	Deserialization (CWE-502)	Server-Side Request Forgery (SSRF) (CWE-918)
42-b3yond-6ug	Patched	Not Found	Found	Found	Not Found	Patched	Not Found	Not Found
all_you_need_is_a_fuzzing_brain	Found	Not Found	Found	Not Found	Not Found	Not Found	Not Found	Not Found
Lacrosse	Patched	Not Found	Found	Not Found	Not Found	Not Found	Not Found	Not Found
Shellphish	Patched	Not Found	Found	Patched	Not Found	Not Found	Not Found	Not Found
Team Atlanta	Patched	Found	Found	Patched	Not Found	Found	Not Found	Not Found
Theori	Patched	Not Found	Found	Patched	Found	Patched	Not Found	Patched
Trail of Bits	Patched	Not Found	Patched	Patched	Not Found	Not Found	Not Found	Not Found

 Not Found  Found  Patched

Final Competition CRS performance by vulnerability class - synthetic only

Team Name (Alphabetical)	C																	JAVA																		
	CWE-120	CWE-121	CWE-122	CWE-123	CWE-125	CWE-126	CWE-129	CWE-134	CWE-190	CWE-193	CWE-415	CWE-416	CWE-457	CWE-476	CWE-680	CWE-787	CWE-835	CWE-121	CWE-1333	CWE-20	CWE-22	CWE-28	CWE-29	CWE-35	CWE-382	CWE-400	CWE-407	CWE-611	CWE-695	CWE-77	CWE-770	CWE-789	CWE-834	CWE-917	CWE-918	
1b9bb5	Not Found	Patched	Patched	Not Found	Patched	Patched	Not Found	Patched	Not Found	Not Found	Not Found	Patched	Not Found	Not Found	Not Found	Not Found	Not Found	Patched	Patched	Patched	Patched	Patched	Patched	Patched	Not Found	Patched	Patched	Patched	Not Found	Patched	Patched	Found	Patched	Patched	Patched	
9caa56	Patched	Patched	Patched	Not Found	Patched	Patched	Not Found	Patched	Not Found	Patched	Patched	Patched	Patched	Not Found	Patched	Patched	Not Found	Patched	Not Found	Not Found	Patched	Patched	Patched	Patched	Not Found	Patched	Patched	Not Found	Patched	Patched	Not Found	Patched	Patched	Patched	Patched	
ee79d5	Not Found	Patched	Patched	Not Found	Not Found	Patched	Not Found	Patched	Not Found	Patched	Patched	Patched	Patched	Not Found	Patched	Patched	Not Found	Patched	Not Found	Patched	Not Found	Not Found	Not Found	Not Found	Not Found	Patched	Patched	Not Found	Patched	Patched	Not Found	Patched	Patched	Patched	Patched	
e87a4d	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found		
463287	Not Found	Patched	Patched	Not Found	Not Found	Patched	Not Found	Not Found	Not Found	Patched	Patched	Patched	Not Found	Not Found	Not Found	Not Found	Not Found	Patched	Found	Patched	Found	Patched	Patched	Patched	Not Found	Patched	Not Found	Not Found	Patched	Patched	Not Found	Found	Found	Not Found	Found	
309958	Not Found	Patched	Patched	Not Found	Patched	Not Found	Not Found	Patched	Patched	Patched	Patched	Not Found	Not Found	Patched	Not Found	Not Found	Not Found	Not Found	Patched	Patched	Found	Patched	Not Found	Patched	Not Found	Patched	Patched	Patched	Not Found	Patched	Patched	Found	Patched	Not Found	Patched	Patched
3fad2e	Not Found	Patched	Patched	Not Found	Patched	Not Found	Not Found	Patched	Not Found	Patched	Patched	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	Not Found	

Not Found Found Patched

COMPETITION AGGREGATE RESULTS - SYNTHETIC VULNERABILITIES

Semifinal

(5 Repositories / 59 Challenges)

Vulnerabilities discovered

37% (22/59)

Vulnerabilities patched

25% (15/59)

Avg. Time to patch

2 hours

Final

(28 Repositories / 53 Challenges)

Known Vulnerabilities discovered

77% (54/70)

Known Vulnerabilities patched

61% (43/70)

Avg. Time to patch

45 minutes

COMPETITION AGGREGATE RESULTS - REAL WORLD, NON-SYNTHETIC VULNERABILITIES

Semifinal

Found in C

1

Found in Java

0

Final

Found in C

6

(1 replay - SystemD)

Found in Java

12

Patched in C

0

Patched in Java

11

(3 w/o PoV)

* More information pending disclosure completion

FINAL ROUND DATA POINTS

Total Known Vulnerabilities

70

Real World Vulns discovered

18

Total spent (Compute + LLM)

\$359k

Vulnerabilities discovered

54 (77%)

Average time to patch

45 min

Total LLM queries

1.9M

Vulnerabilities patched

43 (61%)

Total LOC analyzed

54M

LLM Spend

\$82k

COST PER TASK SUCCESS
(PoV, Patch, SARIF, or a Bundle)

~\$152



NIST

CMS.gov

DEFCON.



ANTHROPIC





Jim O'Neill
HHS Deputy Secretary

Stephen Winchell
DARPA Director

Repo Viewer

AIxCC REPO

Select a repository to explore its code structure and vulnerabilities

Final Round

Filter

<div>Delta Scan Task 1</div> <div>C commons-co... Java</div> <div>Java library providing unified API for compression & archiving formats including ZIP, TAR, GZIP, BZIP2, XZ, LZMA, Snappy, 7z, and more. Simplifies file compression...</div> <div>1 Vulnerability 1,035 files 223 dirs</div>	<div>Delta Scan Task 2</div> <div>C commons-co... Java</div> <div>Java library providing unified API for compression & archiving formats including ZIP, TAR, GZIP, BZIP2, XZ, LZMA, Snappy, 7z, and more. Simplifies file compression...</div> <div>1 Vulnerability 1,025 files 221 dirs</div>	<div>Delta Scan Task 3</div> <div>C commons-co... Java</div> <div>Java library providing unified API for compression & archiving formats including ZIP, TAR, GZIP, BZIP2, XZ, LZMA, Snappy, 7z, and more. Simplifies file compression...</div> <div>1 Vulnerability 1,034 files 223 dirs</div>	<div>Delta Scan Task 4</div> <div>T tika Java</div> <div>Apache Tika is a Java-based content analysis toolkit that detects and extracts metadata and text from over 1000 file types (PDF, Word, Excel, etc.) through a unified...</div> <div>1 Vulnerability 3,546 files 1,909 dirs</div>
<div>Full Scan Task 5</div> <div>S shadowsocks-l... C</div> <div>High-performance C implementation of Shadowsocks SOCKS5 proxy optimized for low-end devices. Uses libev for async IO, supports AEAD encryption, UDP relay, and...</div> <div>5 Vulnerabilities 183 files 32 dirs</div>	<div>Full Scan Task 6</div> <div>L little-cms C</div> <div>Professional C library implementing color management with high accuracy and performance. Provides fast transforms between color profiles for printers, monitor...</div> <div>2 Vulnerabilities 338 files 86 dirs</div>	<div>Full Scan Task 7</div> <div>M mongoose C</div> <div>A lightweight C/C++ embedded web server library designed for IoT and embedded systems. Provides HTTP/HTTPS, WebSocket, and MQTT support with minimal memory...</div> <div>1 Vulnerability 2,417 files 530 dirs</div>	<div>Delta Scan Task 8</div> <div>L libexif C</div> <div>A C library for parsing, editing, and saving EXIF metadata from digital camera images. Handles GPS coordinates, camera settings, timestamps, and other embedded photo...</div> <div>1 Vulnerability 197 files 19 dirs</div>
<div>Delta Scan Task 9</div> <div>C curl C</div> <div>A versatile command-line tool and library for transferring data with URLs, supporting HTTP, HTTPS, FTP, and 20+ protocols</div> <div>1 Vulnerability 1,035 files 223 dirs</div>	<div>Delta Scan Task 10</div> <div>C curl C</div> <div>A versatile command-line tool and library for transferring data with URLs, supporting HTTP, HTTPS, FTP, and 20+ protocols</div> <div>1 Vulnerability 1,025 files 221 dirs</div>	<div>Delta Scan Task 11</div> <div>L libxml2 C</div> <div>A fast, feature-rich XML parsing library written in C that powers countless</div> <div>1 Vulnerability 2,417 files 530 dirs</div>	<div>Delta Scan Task 12</div> <div>C commons-co... Java</div> <div>Java library providing unified API for compression & archiving formats including ZIP, TAR, GZIP, BZIP2, XZ, LZMA, Snappy...</div> <div>1 Vulnerability 3,546 files 1,909 dirs</div>

CRS Focus

42-b3yond-6ug

Last Action: Fuzzing

Team Atlanta

Last Action: Fuzzing

Theori

Last Action: Dynamic Analysis

Trail of Bits

Last Action: Input Generation

Lacrosse

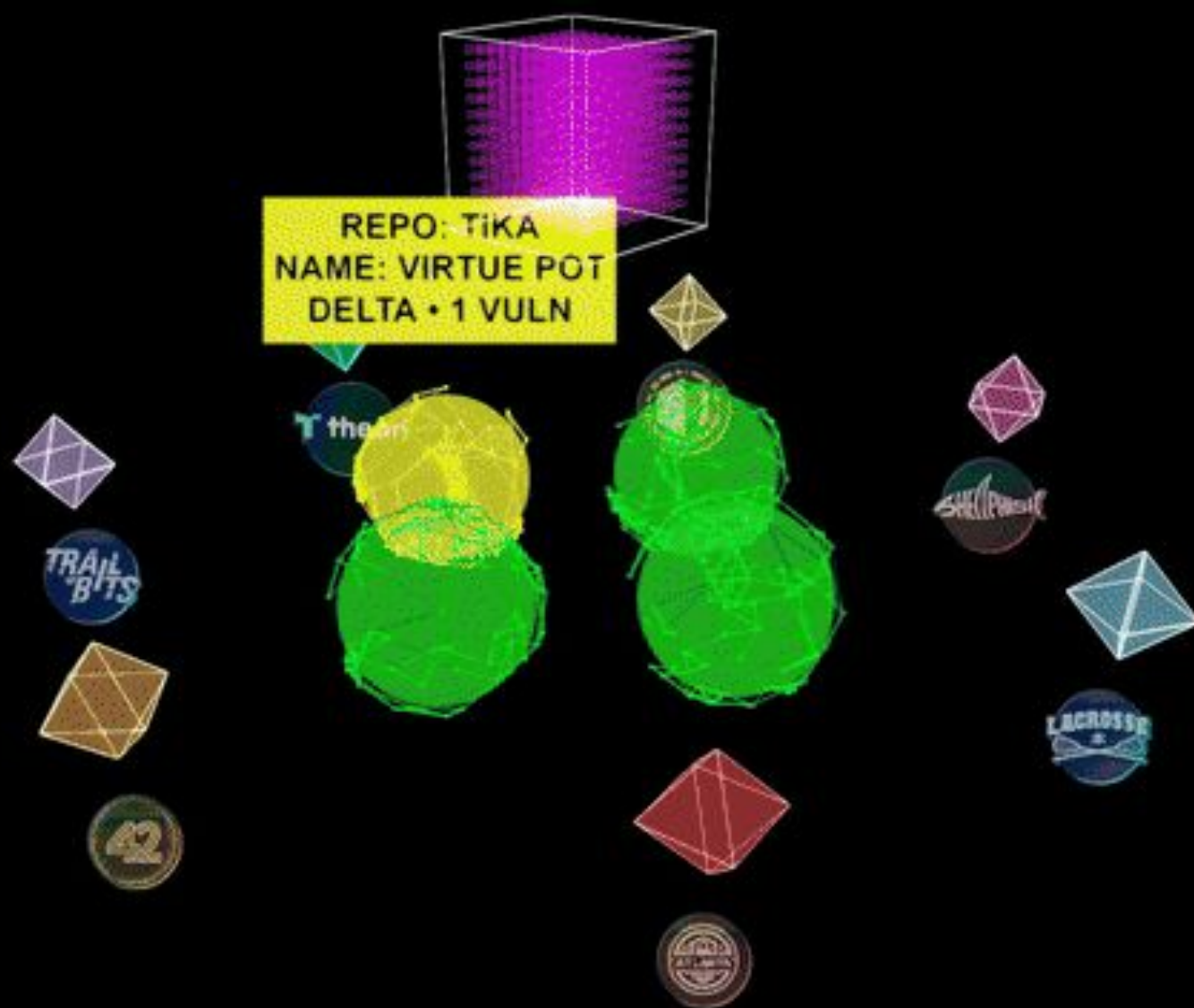
Last Action: Building

All You Need IS A Fuzzing Brain

Last Action: Fuzzing

Shellphish

Last Action: Dynamic Analysis





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AIxCC
AI CYBER CHALLENGE

What's Next @ DEF CON

AIxCC EXPERIENCE

- talk to teams
- view competition data / artifacts
- talk with collaborators
- talk with critical infra folks
- talk with related gov. project owners

What's Next

archive.aicyberchallenge.com

Release Timeline

- **NOW:** Shellphish, Team Atlanta, Theori, Trail of Bits (Competitor CRSs)
- **NOW:** Automated Harness Generation - SHERPA (github.com/AIxCyberChallenge/sherpa)
- **Aug 10:** All You Need IS A Fuzzing Brain (Competitor CRS)
- **Aug 24:** 42-b3yond-6ug, Lacrosse (Competitor CRSs)
- **Oct:** Competition Infrastructure, Challenge Repositories, Data, and Telemetry (pending disclosure to maintainers)



MAINTAINERS (OSSF / OSTIF)

contact us to collaborate at
aixcc@darpa.mil

STORE

darpa-exchange-organization.square.site

POSTERS

aicyberchallenge.com/education/

DARPA / ARPA-H - Join Us!

<https://www.darpa.mil/work-with-us>

<https://arpa-h.gov/>



AIXCC

AI CYBER CHALLENGE

COMPETITOR HIGHLIGHTS





42-b3yond-6ug



“Czar of the SARIF”

**Most correct SARIF
assessments**



“Giant Slayer”

**Scored on a
repo >5M LOC**

Top 3 LLMs used:

- GPT-4.1
- Claude Opus 4
- Claude Sonnet 4



ALL YOU NEED IS A FUZZING BRAIN



“-Ofast”

**First Blood:
C real world vuln**



“Faster Than Pizza Delivery”

**Score < 5 min
into a task**

Top 3 LLMs used:

- GPT-4o
- Claude 3.7 Sonnet
- Claude Opus 4



Lacrosse



“Professional Assassin”

PoV success >95%



“Raiders of the Lost PoV”

**Discovered a real
world vuln**

Top 3 LLMs used:

- GPT-4.1
- GPT-4.1 mini
- GPT-4o mini



Shellphish



“Best Telemetry”

Reporting LLM and CRS activity



“The Doctor is In”

Passing patch rate > 95%

AIxCC
AI CYBER CHALLENGE

Top 3 LLMs used:

- Claude Sonnet 4
- o4-mini
- Claude 3.7 Sonnet



Team Atlanta



“The Disruptor”

**Most real world
vulns discovered**

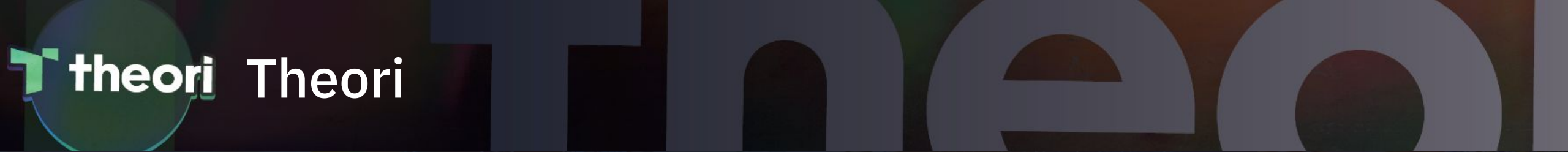


“Bundle Baron”

**Most scoring
bundles**

Top 3 LLMs used:

- o4-mini
- GPT-4o
- o3



“Thrifty”

**Least \$\$ spent
per vuln patched**



“Extra Caffeinated”

**Most Java real world
vulns discovered**

Top 3 LLMs used:

- o3
- Claude Sonnet 4
- o4-mini



Trail of Bits



“LOC Ness Monster”

**Scored w/ patch
diff > 300 LOC**



“Cornucopia”

**Scored on 20
unique CWEs**

Top 3 LLMs used:

- Claude Sonnet 4
- GPT-4.1 mini
- GPT-4.1



CONGRATULATIONS TO TEAM



...

3rd PLACE

AIxCC
AI CYBER CHALLENGE

→ **\$1,500,000**



+

ARPA

CONGRATULATIONS TO TEAM



Theori

3rd PLACE



→ \$1,500,000



+ ARPA 



CONGRATULATIONS TO TEAM



...

2nd PLACE

AIxCC
AI CYBER CHALLENGE



\$3,000,000



+

ARPA

CONGRATULATIONS TO TEAM

**TRAIL
OF BITS**

Trail of Bits

2nd PLACE

AIxCC
AI CYBER CHALLENGE



\$3,000,000



+

ARPA 



CONGRATULATIONS TO TEAM



...

1st PLACE

AIxCC
AI CYBER CHALLENGE

→ \$4,000,000



+ ARPA 

CONGRATULATIONS TO TEAM



Atlanta

1st PLACE

AIxCC
AI CYBER CHALLENGE

→ \$4,000,000



+ ARPA 

Scoreboard breakdown

<i>Team</i>	<i>Team Total Score</i>	<i>% Correct Submission (r)</i>	<i>Vulnerability Discovery Score (VDS)</i>	<i>Program Repaid Score (PRS)</i>	<i>SARIF Assessment Score (SAS)</i>	<i>Bundle Score (BDL)</i>
Team Atlanta (9caa56)	392.76	91.27%	79.71	171.10	5.99	136.38
Trail of Bits (309958)	219.35	89.33%	52.49	101.21	1.00	65.29
Theori (3fad2e)	210.68	44.44%	58.12	110.34	4.97	53.57
All You Need IS A Fuzzing Brain (1b9bb5)	153.70	53.77%	54.81	77.60	6.52	28.28
Shellphish (463287)	135.89	94.83%	47.94	54.31	8.47	25.29
42-b3yond-6ug (ee79d5)	105.03	89.23%	70.37	14.22	9.80	10.97
Lacrosse (e87a4d)	9.59	42.86%	1.68	5.43	0.00	3.62

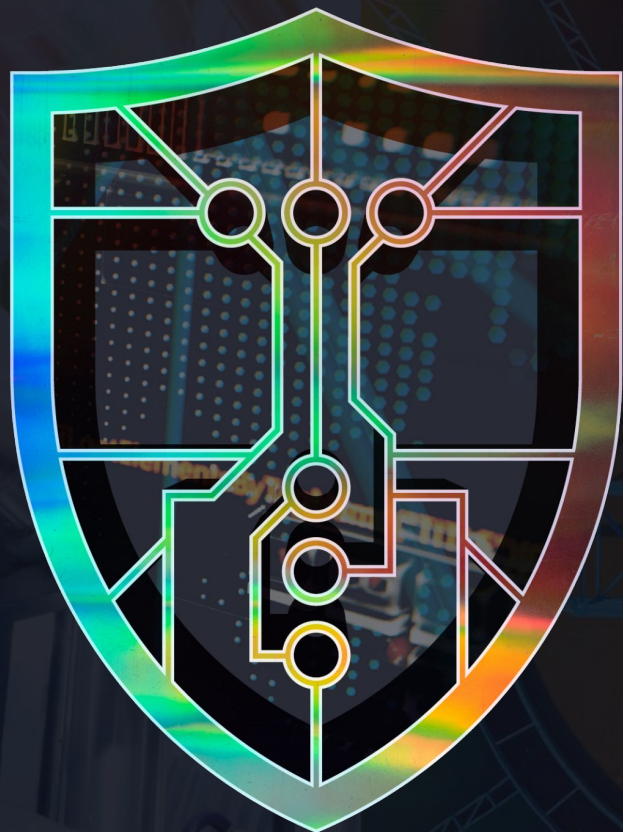
$$Team\ Score = \sum Challenge\ Scores$$

$$Challenge\ Score = AM * (VDS + PRS + SAS + BDL)$$

$$AM = 1 - (1 - r)^4$$



+ ARPA 



AIxCC
AI CYBER CHALLENGE

The world changes today.
Automated patch development is:

Fast
Scalable
Cost-effective
Available / Open-source

AI + CRS = The Future

