

"BUG SHOW AND TELL VS"



Bugboss v. 3 Overview

Part of our small game program

Bugboss

- We tried a smaller crowd to give the Bugbosses a chance, only 10 hackers in the Crowd this time
- We also increased the game to 18 days so more vulns could be paid out
- Nothing helped the Bugbosses, they were defeated AGAIN
- 1st place is CDN19 \$1000
- 2nd place is VINOTHKUMAR \$500
- 3rd place is anglecutter \$250



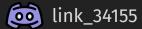
So... Who did it?

```
chameleonsight
CDN19
anglecutter
Assassin_marcos
suyash_TECHNORAT
OMPAT
hoaln
VINOTHKUMAR
dishant0x1
aituglo
```

Now the Bugboss...







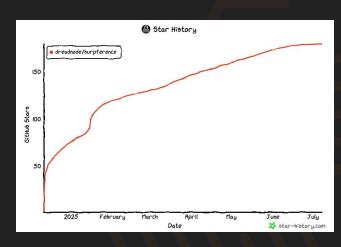


Z BUGS:

- 1. SENSITIVE DATA EXPOSURE > DISCLOSURE OF SECRETS > FOR INTERNAL ASSET
- 2 BROKEN ACCESS CONTROL (BAC) >
 PRIVILEGE ESCALATION
 - A. CWE-285: IMPROPER AUTHORIZATION

EXTENSIONS ARE YOUR HOMIE - "BURPFERENCE"

- PROXY-POWERED BRAINLOAD CAPTURES IN-SCOPE HTTP
 TRAFFIC FROM BURP AND STREAMS JSON TO YOUR LLM (LOCAL
 OLLAMA OR CLOUD) FOR LIVE OFFENSIVE ANALYSIS.
- AGENTIC AI FINDINGS SEVERITY COLOR-CODING, BURP ISSUE
 INTEGRATION, SCANNER TAB FOR HEADERS/OPENAPI CHECKS, DRIVEN
 BY CUSTOM PROMPTS AND FLEXIBLE API CONFIGS.
- MOD-YOUR-MODEL SWAP PROMPTS, USE ANY LLM PROVIDER
 OR LOCAL HOST, AND LOG ALL INFERENCES WITH TIMESTAMPS—BUILT
 FOR HACKER-GRADE EXTENSIBILITY.





Dashboard Target Proxy Repeater Intruder Collaborator Sequencer Decoder Comparer Logger	Organizer Extensions Learn CORS' CSurfer CSP Headers Analyzer Bypass WAF burpference ## 0 @
burpference Inference Logger Scanner	
Inference Request - Live View	Inference Response - Live View
"Vary": "Origin", "Expires": "Thu, 01 Jan 1970 00:00:00 UTC",	Capture the Bearer token Use if to make authenticated requests:
"Content-Length": "2",	2. Ose it to make dutile interests.
	curl -H "Authorization: Bearer https://www.december.com/d
"status_code": 200, "body": "()"	Recommendation: Consider using more secure authentication methods like OAuth 2.0 with short-lived tokens or implement token encryption during transit.*
HTTP History	
# Timestamp	Host URL Request Response
3 2025-06-24 11:43:37	.com https://dx/ 'request': 'headers': ("Request-Soziore': 'pl/ ("type': 'text', 'text': 'Let me analyze this HT com https://dx/ 'request': ("headers': ("Request-Soziore': 'pl/ ("type': 'text', 'text': 'Let me analyze this HT
4 2025-06-24 11:43:38 2 2025-06-24 11:43:38	com https: /G. ['request': 'headers': { "Request-Source': pl [{ "type': 'text', 'text': 'Let me analyze this HT Key 'request': 'headers': { "Request-Source': pl [{ "type': text', 'text': 'Let me analyze this red The company of
5 2025-06-24 11:43:39	https: aE[*request*: (*headers*: (*Cookie*: *google_oa [{ *type*: *text*, *text*: *Based on the provided
1 2025-06-24 11:43:41	.com https://dc "request": { "headers": { "Request-Source": "pl [{ "type": "text", "text": "Based on the provided
6 2025-06-24 11:43:49	https://dash [{ "type": "text", "text": "Based on the analysis
8 2025-06-24 11:43:50	.com https://dc "request": { "headers": { "Request-Source": "pl [{ "type": "text", "text": "Based on the provided
Selected HTTP Request & Response	Selected Inference Response
(Section and the company of the compa
"headers": {	
"Request-Source": "Origin": "https://da	
"Accept": "7",	CRITICAL: The response contains an exposed API key ("rawKey": "https://www.news.com/appears to be a production API key based on the
	endpoint name and request parameter "canRetumProductionKey":true. This could lead to unauthorized access and potential account takeover if intercepted.
"User-Agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:139.0) Gecko/20100101 Firefox/139.0",	HIGH: The JIVT token in the Authorization header appears to have an extremely long expiration time (set in 2025), which violates security best practices. Long-lived tokens
"Referer": "https://	indri, tile viri tucer itt ure rutinduduri reader appears to have all extenses ung expiration tille (set ill zuzz), which violates security best practices, congrued tucers
burpference, made with <3 by @dreadnode	
Configurat	ion File: anthropic_claude_3_sonnet_20240229.json
	System Prompt: sensitive_data_prompt.txt Reload Prompt
Extension :	Stopped - Unload and reload if required, doing so will remove displayed logs and state
Extension Log Output	
[2025-06-24 11:44:05] Saved finding to database	
[2025-06-24 11:44:05] Saved finding to database	
[2025-06-24 11:44:05] Added INFORMATIONAL issue to Burp Scanner	
[2025-06-24 11:44:05] Added INFORMATIONAL issue to Burp Scanner [2025-06-24 11:44:06] Saved finding to database	
[2025-06-24 11:44:07] Saved finding to database	
[2025-06-24 11:44:07] Added INFORMATIONAL issue to Burp Scanner [2025-06-24 11:44:11] Extension stopped. No further traffic will be processed.	
Event log (10) All issues (453)	O Memory: 694.7MB

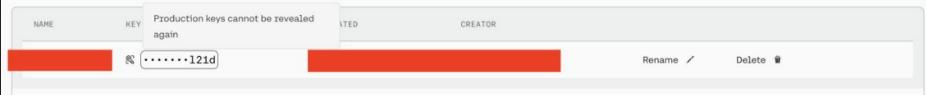
BAC (BROKEN ACCESS CONTROL) BROKEN ACCESS CONTROL LETS

- USERS PERFORM ACTIONS BEYOND THEIR INTENDED PERMISSIONS.
- TYPES OF ACCESS CONTROLS:
 - · VERTICAL (E.G., USER VS ADMIN)
 - · HORIZONTAL (E.G., ACCESSING OTHER USERS' DATA)
 - O CONDITIONAL (CONTEXT-BASED RULES)
- ATTACKERS CAN ELEVATE PRIVILEGES OR MANIPULATE, DESTROY, OR EXPOSE SENSITIVE DATA.

 BUGGROWD CONFIDENTIAL

TIP: ALWAYS REFER TO
THE DEVELOPER/USER
DOCUMENTATION + UI
MESSAGES





```
var configInScopeOnly = true; // If set to true, won't show out-of-scope items
     var sessionCookieName = ""; // If given, will look for a cookie with that name.
var sessionCookieValue = ""; // If given, will check if cookie with sessionCookieName has this value.
     var request = requestResponse.request();
     var response = requestResponse.response();
     if (configInScopeOnly && !request.isInScope()) {
         return false:
     if (!requestResponse.hasResponse() | | !response.isStatusCodeClass(StatusCodeClass.CLASS 2XX SUCCESS)) {
         return false;
     var hasAuthHeader = request.hasHeader("Authorization");
     var authHeaderValue = hasAuthHeader ? String.valueOf(request.headerValue("Authorization")).toLowerCase() : null;
     if (!hasAuthHeader || (authHeaderValue == null || authHeaderValue.isEmpty())) {
         return false;
     var excludeAuthorization =
         authHeaderValue.contains("bearer") &&
authHeaderValue.contains("ey");
     var sessionCookie = request.headerValue("Cookie") != null &&
         HttpParameterType.COOKIE).value())));
43  return !excludeAuthorization || sessionCookie;
```

HTTPS://GITHUB.COM/PORTSWIGGER/BAM BDAS/TREE/MAIN/FILTER/PROXY/HTTP

HTTPS://GITHUB.COM/PORTSWIGGER/BAM bdas/blob/main/Filter/Proxy/HTTP/Fi LTERAUTHENTICATEDNONBEARERTOKENS.



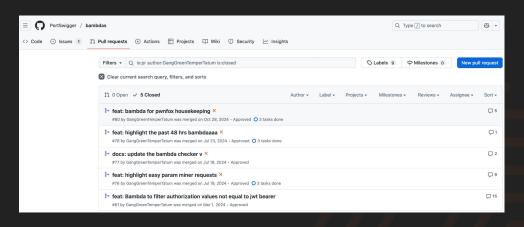
BAMBDAS - WHY? BUGGROW

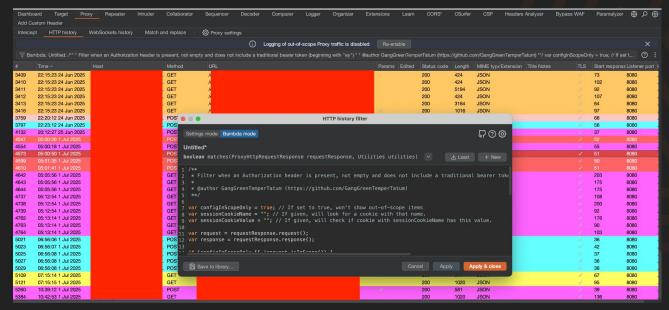
bugcrowd BAMBDAS

ALL THE THINGS

FTW







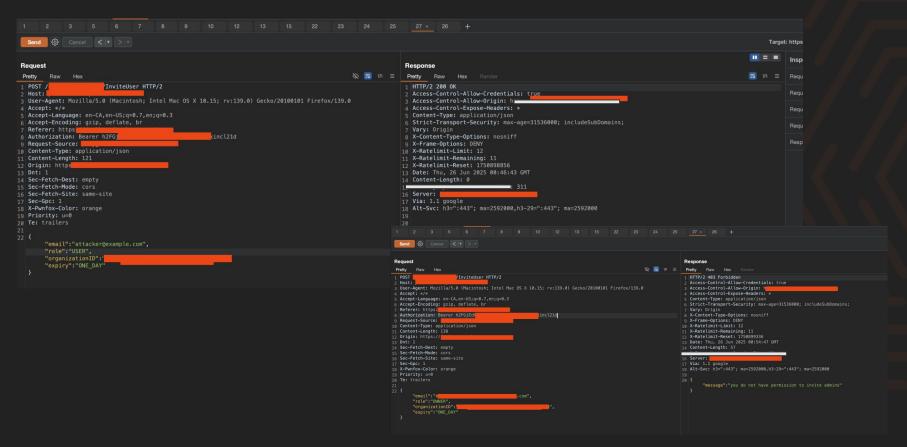
WEAPONIZE YOUR SUBMISSION; REMEMBER WHEN I SAID READ THE DOCS?

SUCCESS! PRIV ESC

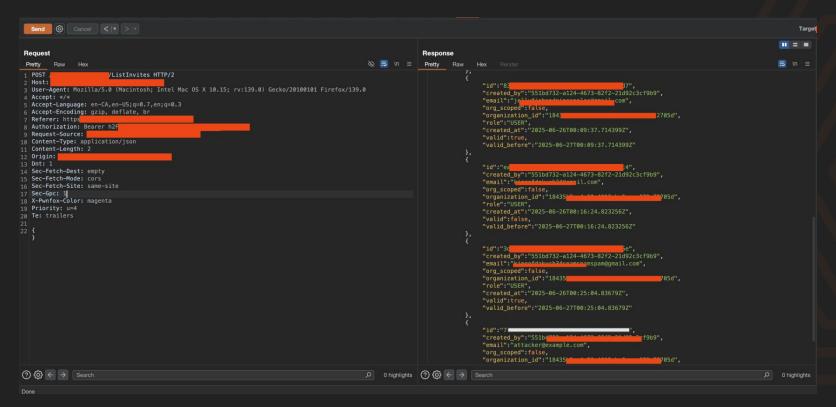
- THREE ENDPOINTS
 - O POST ../INVITEUSER
 - · POST ../INVALIDATEINVITE
 - O POST .. DELETEUSER
- SENSITIVE ACTIONS



EXAMPLE: POST ../INVITEUSER



EXAMPLE: POST ../INVITEUSER (Z)



OTHER ENDPOINTS AFFECTED

```
1 #### InvalidateInvite ####
 3 POST /rpc/X/InvalidateInvite HTTP/2
  4 Host: <target.com>
  6 Authorization: Bearer <API KEY>
  8 {"inviteID":"<UUID>"}
 10 #### DeleteUser ####
 12 POST /rpc/Y/DeleteUser HTTP/2
 13 Host: <target.com>
 15 Authorization: Bearer <API KEY>
 17 {"userID":"<UUID>"}
```



Allow applications from

"Ads Dawson...y 2025.pdf" was blocked to protect

Apple could not verify "Ads Dawson...y 2025.pdf" is free of malware that may your Mac or compromise your privacy.

Lock Screen
Privacy & Security

Touch ID & Password
Users & Groups

App Store & Known Developers C

HTTPS://GITHUB.COM/GANGGREENTEMPERTATUM/SPE AKING/TREE/MAIN/DOCS/CONFERENCES/BUGCROWD/Z 025/JULY/BUGBOSS

THANK YOU FOR ATTENDING AND I HOPE YOU ENJOYED THIS SHORT TALK:)