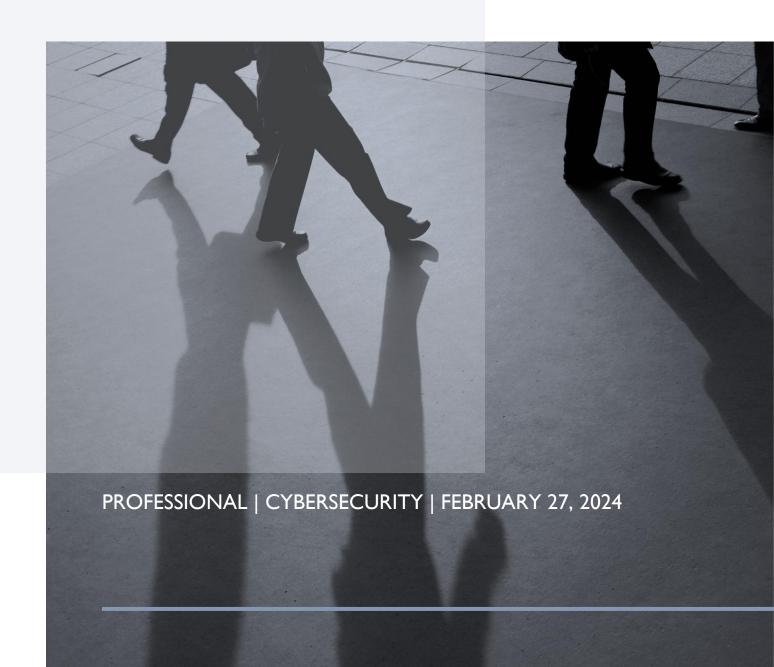
SPECIALIZED SCANNERS

BY JAMES ROBERSON



WHAT HAPPENED?

In this report, I was tasked with running various scans against a client's machine. The goal was to gather as much information as possible to then enumerate based off those findings. My findings will be concluded if I can locate a particular "flag" you intentionally left for me to find.

- Scanned target using Network Mapper. Check.
- Scanned target machine using Dirbuster as well as Nikto. Check.
- Research scanner to enumerate port 8585 from dirbuster and nikto scans. Check and check.

PROOF:

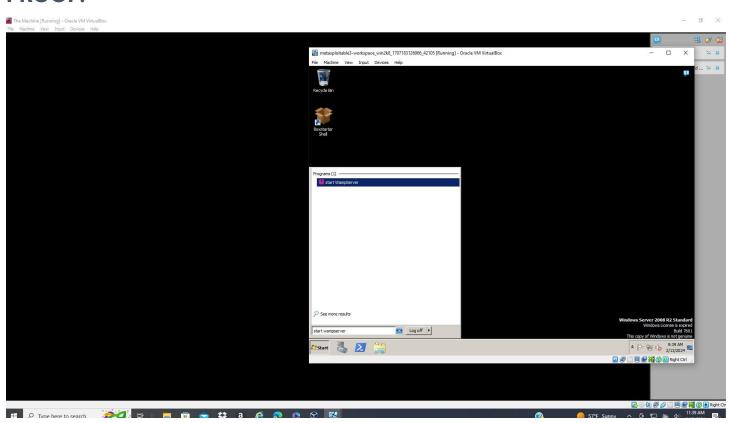


Figure 1. Screenshot above shows wampserver being started.

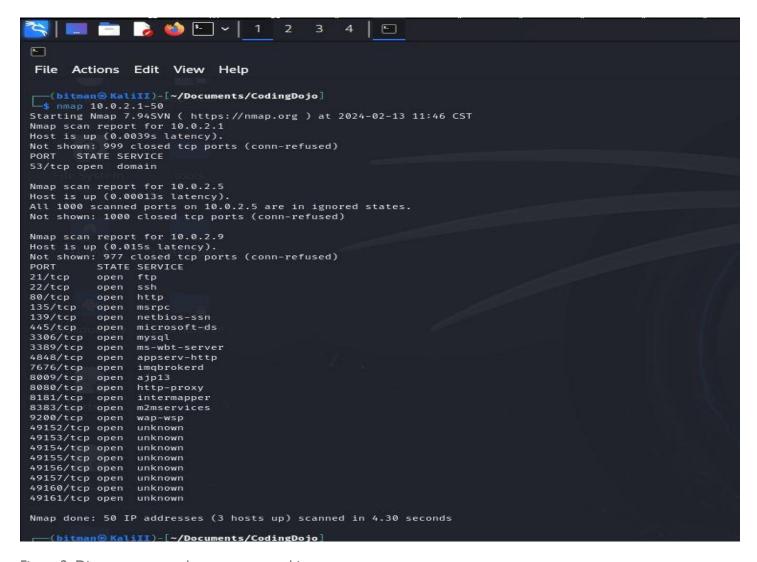


Figure 2. Discovery scan to locate target machine.



Figure 3. At first, the port wouldn't show up. I then scanned all ports, which yielded the desired results.

```
Nmap done: 1 IP address (1 nost up) scanned in 160.65 seconds

(bitman® KaliII) = [-/Documents/CodingDojo]

$ nmap = p 8585 - A 10.0.2.9 = oN port8585scan.txt

Starting Nmap 7.945VN ( https://nmap.org ) at 2024-02-13 11:57 CST

Nmap scan report for 10.0.2.9

Host is up (0.0099s latency).

PORT STATE SERVICE VERSION

8585/tcp open http Apache httpd 2.2.21 ((Win64) PHP/5.3.10 DAV/2)

| http-title: WAMP5ERVER Homepage | http-server-header: Apache/2.2.21 (Win64) PHP/5.3.10 DAV/2

Service detection performed. Please report any incorrect results at https://nmap.org/submit/.

Nmap done: 1 IP address (1 host up) scanned in 23.58 seconds

(bitman® KaliII) = [-/Documents/CodingDojo]
```

Figure 4. Deeper scan to discover version or any potential information that may lead to compromise.

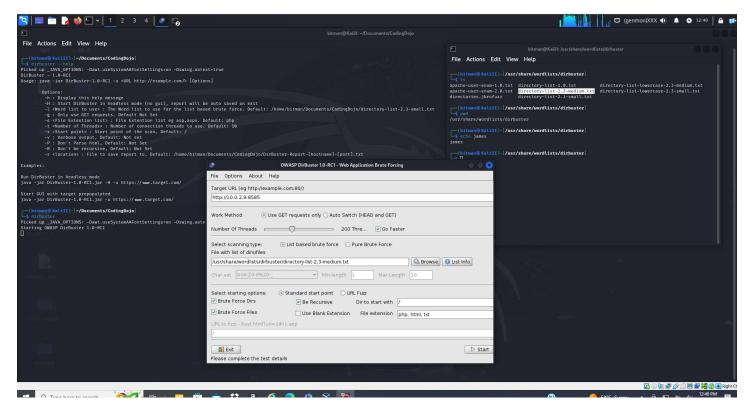


Figure 5. After completing the nmap scan, I moved on to discover the target machine using Dirbuster. I set all of my fields according to correct specifications and ran the scan.

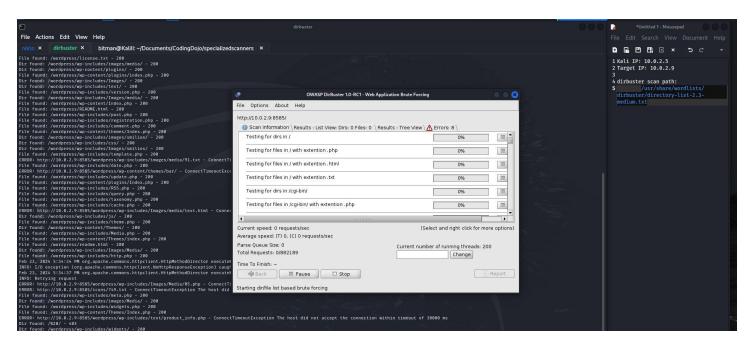


Figure 6. Running Dirbuster is a lengthy process. One that I cut short because most of the output was the same. A bunch of wordpress sites were popping up.

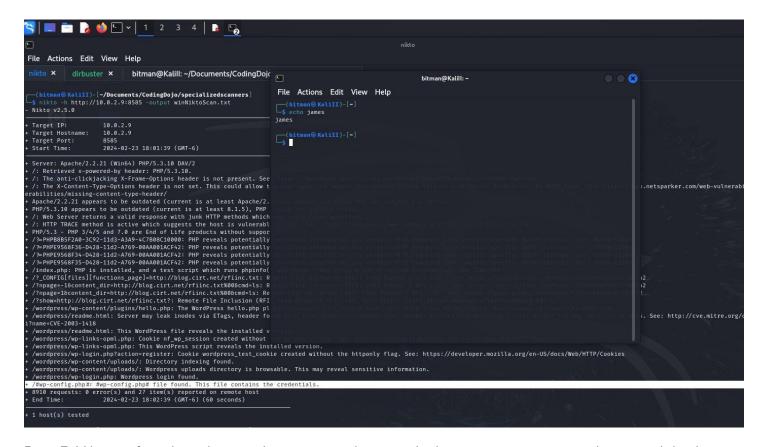


Figure 7. Nikto confirmed wordpress to be running on the site and other interesting content such as: anti-clickjacking and Apache running version 2.2.21.

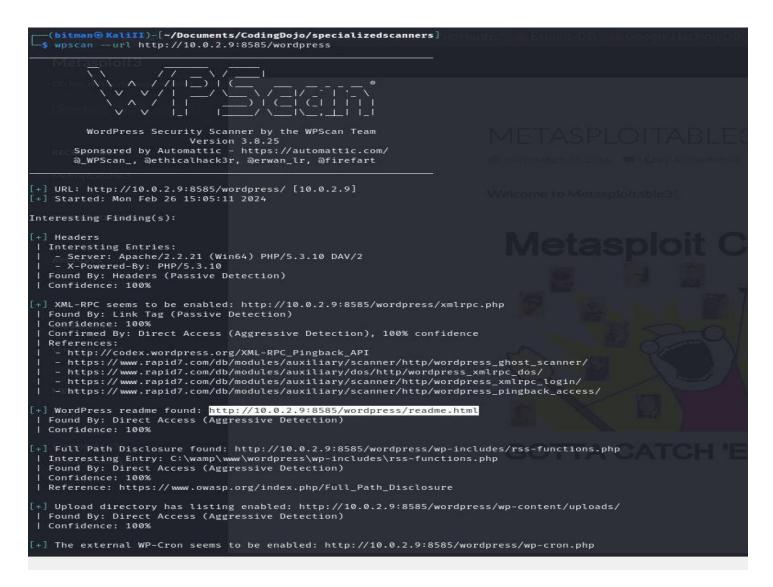


Figure 8. Found a readme site that didn't really give much, but because this was the first entry I noticed, I kept on forward through the rest of the URLs.

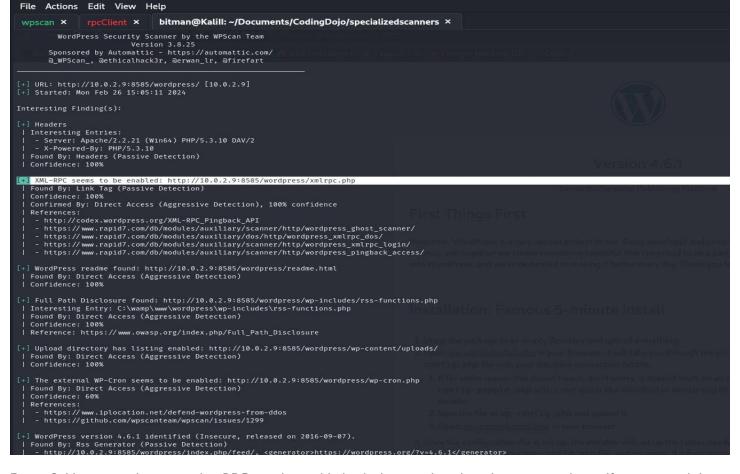


Figure 9. Here, we take notice that RPC may be enabled, which is another thread to venture down. If you scanned down just a few lines from the XML-RPC, you'll notice a secure website detailing information about a scanner called Ghost. I decided to see if msfconsole had it preinstalled.

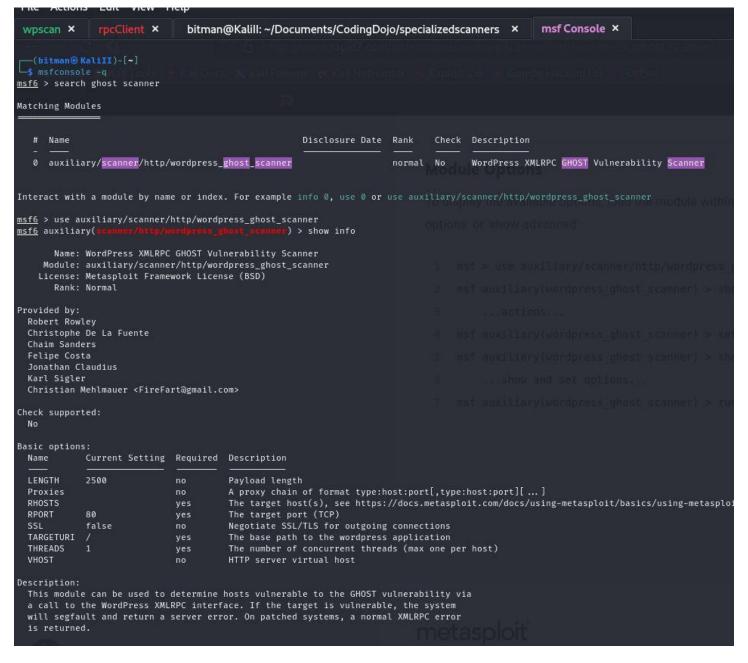


Figure 10. In this screenshot, I quietly opened msfconsole, indeed located a scanner, and read about it. As you can see, it seems to check vulnerabilities for the service RPC.

* Name Disclosure Date Rank Check Description					Description
				-	
	auxiliary/scanner/http/wp_abandoned_cart_sqli auxiliary/scanner/kademlia/server_info	2020-11-05	normal normal		Abandoned Cart for WooCommerce SQLi Scanner Gather Kademlia Server Information
	auxiliary/scanner/kademila/server_info auxiliary/scanner/http/wordpress_login_enum		normal		WordPress Brute Force and User Enumeration Utility
	auxiliary/scanner/http/wordpress_togin_endm auxiliary/scanner/http/wordpress_cp_calendar_sqli	2015-03-03	normal		WordPress CP Multi-View Calendar Unauthenticated SQL Injection Scanner
	auxiliary/scanner/http/wp chopslider id sqli	2020-05-12	normal		WordPress ChopSlider3 id SQLi Scanner
	auxiliary/scanner/http/wp_cnobstider_id_sqti	2015-02-24	normal		WordPress Contus Video Gallery Unauthenticated SQL Injection Scanner
	auxiliary/scanner/http/wp_dukapress_file_read	2013-02-24	normal		WordPress DukaPress Plugin File Read Vulnerability
	auxiliary/scanner/http/wp_duplicator_file_read	2020-02-19	normal		WordPress Duplicator File Read Vulnerability
	auxiliary/scanner/http/wp_easy_wp_smtp	2020-12-06	normal		WordPress Easy WP SMTP Password Reset
	auxiliary/scanner/http/wp_email_sub_news_sqli	2019-11-13	normal		WordPress Email Subscribers and Newsletter Hash SQLi Scanner
	auxiliary/scanner/http/wp gimedia library file read		normal		WordPress GI-Media Library Plugin Directory Traversal Vulnerability
	auxiliary/scanner/http/wp loginizer log sqli	2020-10-21	normal		WordPress Loginizer log SQLi Scanner
	auxiliary/scanner/http/wp_mobileedition_file_read		normal	No	WordPress Mobile Edition File Read Vulnerability
	auxiliary/scanner/http/wp_mobile_pack_info_disclosure		normal	No	WordPress Mobile Pack Information Disclosure Vulnerability
	auxiliary/scanner/http/wp_modern_events_calendar_sqli	2021-12-13	normal	Yes	WordPress Modern Events Calendar SQLi Scanner
	auxiliary/scanner/http/wp_nextgen_galley_file_read		normal	No	WordPress NextGEN Gallery Directory Read Vulnerability
	auxiliary/scanner/http/wordpress_content_injection	2017-02-01	normal	Yes	WordPress REST API Content Injection
	auxiliary/scanner/http/wp_simple_backup_file_read		normal	No	WordPress Simple Backup File Read Vulnerability
	auxiliary/scanner/http/wp_subscribe_comments_file_read		normal	No	WordPress Subscribe Comments File Read Vulnerability
	auxiliary/scanner/http/wp_total_upkeep_downloader	2020-12-12	normal	No	WordPress Total Upkeep Unauthenticated Backup Downloader
	auxiliary/scanner/http/wp_wps_hide_login_revealer	2021-10-27	normal	No	WordPress WPS Hide Login Login Page Revealer
	auxiliary/scanner/http/wordpress_ghost_scanner		normal		WordPress XMLRPC GHOST Vulnerability Scanner
	auxiliary/scanner/http/wp_arbitrary_file_deletion	2018-06-26	normal		Wordpress Arbitrary File Deletion
	auxiliary/scanner/http/wp_bulletproofsecurity_backups	2021-09-17	normal		Wordpress BulletProof Security Backup Disclosure
	auxiliary/scanner/http/wp_learnpress_sqli	2020-04-29	normal		Wordpress LearnPress current_items Authenticated SQLi
	auxiliary/scanner/http/wp_paid_membership_pro_code_sqli	2023-01-12	normal		Wordpress Paid Membership Pro code Unauthenticated SQLi
	auxiliary/scanner/http/wordpress_pingback_access		normal		Wordpress Pingback Locator
	auxiliary/scanner/http/wp_woocommerce_payments_add_user	2023-03-22	normal		Wordpress Plugin WooCommerce Payments Unauthenticated Admin Creation
	auxiliary/scanner/http/wp_registrationmagic_sqli	2022-01-23	normal		Wordpress RegistrationMagic task_ids Authenticated SQLi
	auxiliary/scanner/http/wordpress_scanner		normal		Wordpress Scanner
	auxiliary/scanner/http/wp_secure_copy_content_protection_sql	1 2021-11-08	normal		Wordpress Secure Copy Content Protection and Content Locking sccp_id Unauthenticated
	auxiliary/scanner/http/wordpress_xmlrpc_login		normal		Wordpress XML-RPC Username/Password Login Scanner
	auxiliary/ <mark>scanner</mark> /http/wordpress_multicall_creds		normal	NO	Wordpress XML-RPC system.multicall Credential Collector

Figure 11. The ghost scanner didn't reveal much. Since that was the case, I wanted to chase down another lead. The site was running wordpress, so I wanted to search for that. Instead, what I got is a wordpress login module for RPC. Yahtzee!

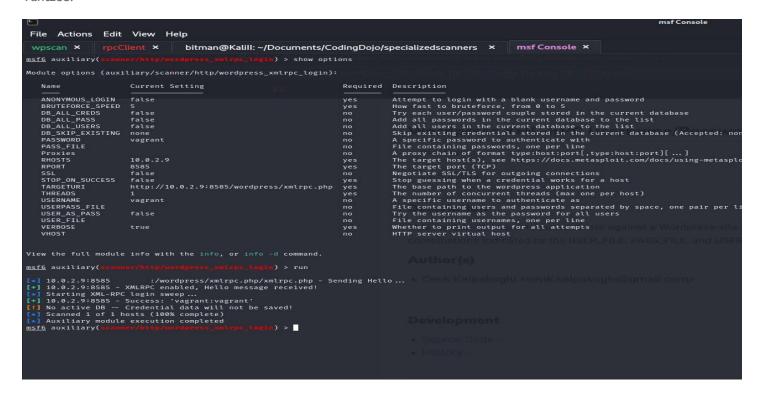


Figure 12. I selected that module and gained additional information; Username: vagrant and password: vagrant.



Index of /wordpress/wp-content/uploads/2016/09

[ICO]	<u>Name</u>	Last modi	fied	Size	<u>Description</u>
[DIR] Pare	nt Directory			10 10 0	
[IMG] catc	h them-150x150.jpg	27-Sep-2016	12:04	8.8K	
[IMG] catc	h_them-300x300.jpg	27-Sep-2016	12:04	22K	
[IMG] catc	h them.jpg	27-Sep-2016	12:04	44K	
[IMG] king	of damonds-150x>	27-Sep-2016	12:08	46K	
[IMG] king	of damonds-214x>	27-Sep-2016	12:08	128K	
[IMG] king	of damonds.png	27-Sep-2016	12:08	572K	
[IMG] meta	asploitable3 flag>	27-Sep-2016	11:47	43K	
[IMG] meta	asploitable3 flag>	27-Sep-2016	11:47	118K	
[IMG] meta	asploitable3 flag>	27-Sep-2016	11:47	294K	

Figure 13. I navigated through the directories by going back to the wpscan output. There I navigated through the URL http://10.0.2.9:8585/wordpress/wp-content/uploads/



Figure 14. The particular flag I found was the King of Hearts.