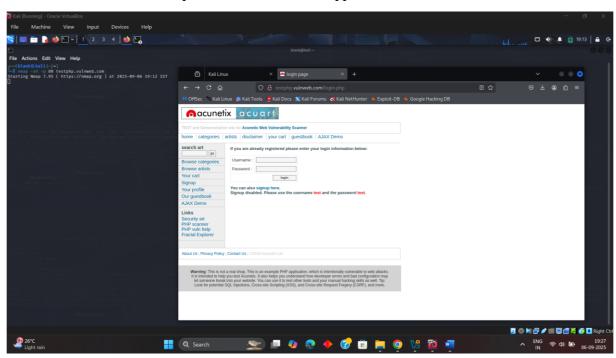
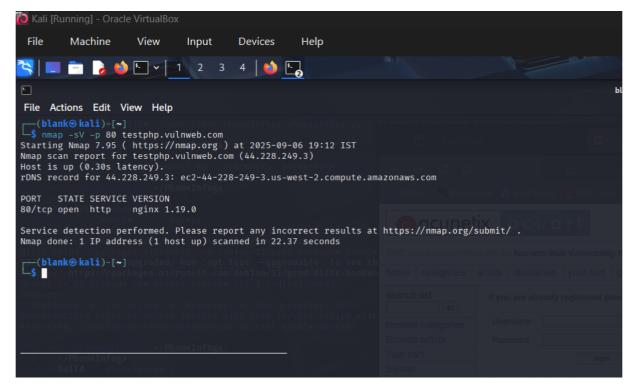


3. Vulnerability Exploitation

Activities:

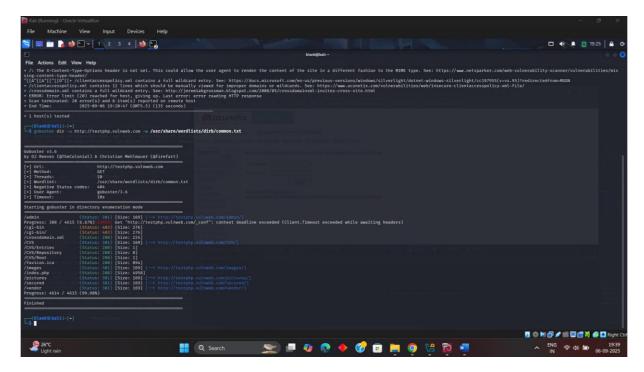
- **Tools:** Metasploit, Nmap, OWASP ZAP.
- Tasks: Scan and exploit a vulnerable web app.









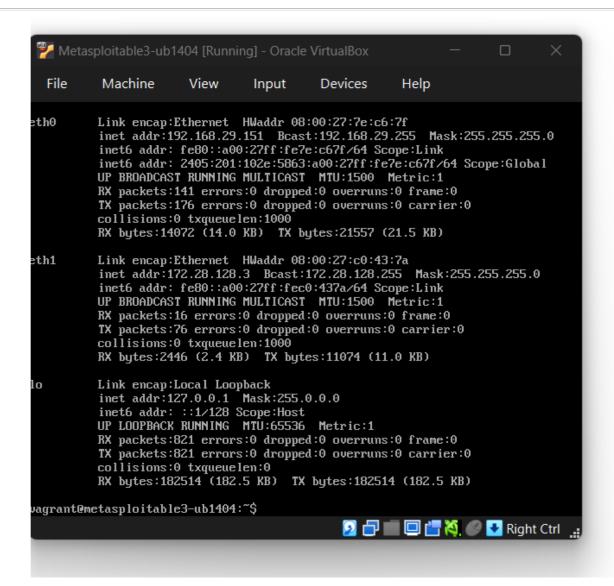


• Brief:

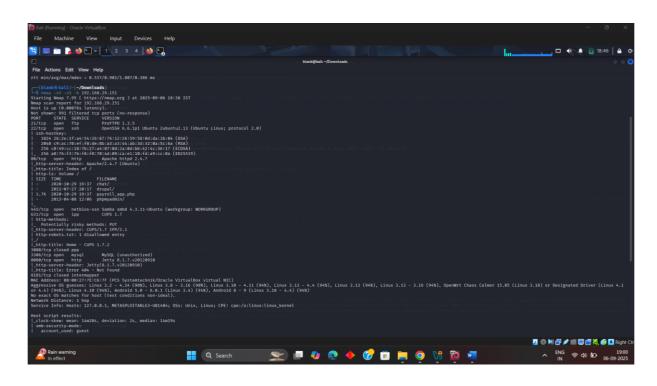
 Scan and Exploit: Scan Metasploitable3 with Nmap; exploit with Metasploit (exploit/unix/iric/unreal_ircd_3281_backdoor). Log:

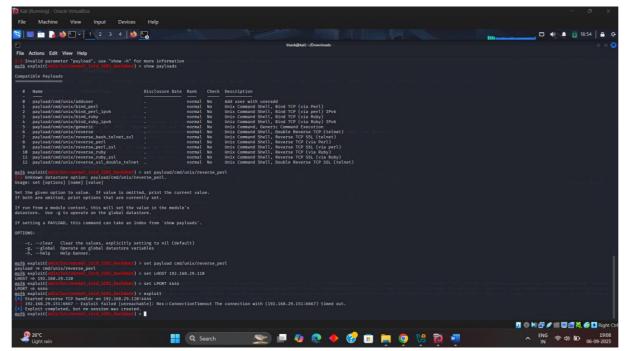
with a backdoor that enabled remote attackers | Metasploitable3













Vulnerability	Affected Version /	Remediation
	Service	
Apache Struts	Struts 2.3.32 or	Update Struts library to 2.3.32, 2.5.10.1, or
RCE	older	later. Restart the server and verify the patch.
vsftpd 2.3.4	vsftpd 2.3.4	Upgrade vsftpd to the latest version. Restart
Backdoor		the service. Scan again to confirm the
		backdoor is gone.
OpenSSH Weak	OpenSSH < 7.x	Update OpenSSH, disable root login
Configuration	or default	(PermitRootLogin no), enforce strong
	insecure configs	ciphers, disable password authentication,
		restart SSH, verify secure connection.
Samba Null	Samba <= 3.0	Update Samba to latest version. Disable
Sessions / Legacy		anonymous/guest access. Restart Samba
SMB		service. Verify with SMB scanner that null
		sessions are blocked.