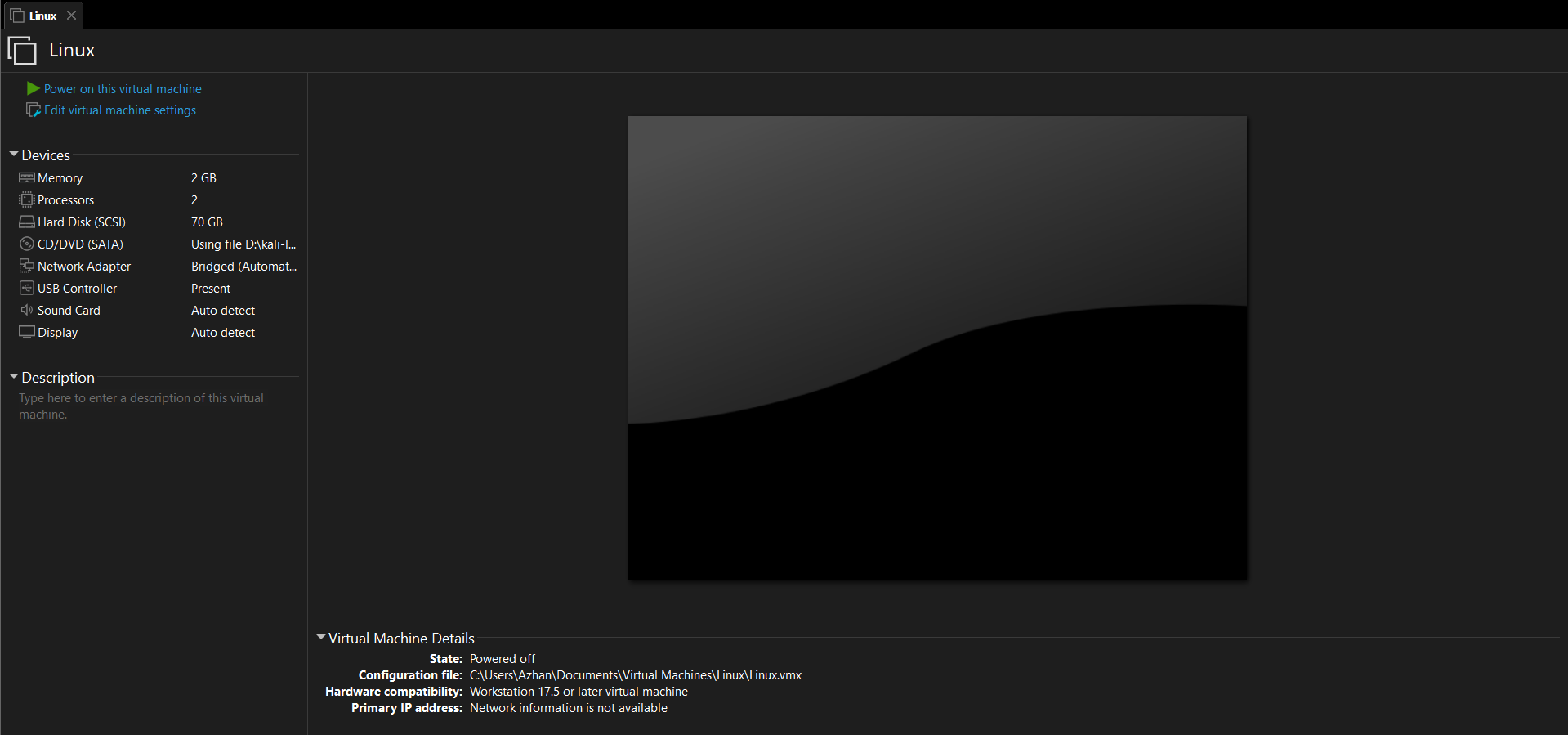
**Week 5:  Ethical Hacking Fundamentals**

**Objective:**  Perform safe, simulated penetration tests.

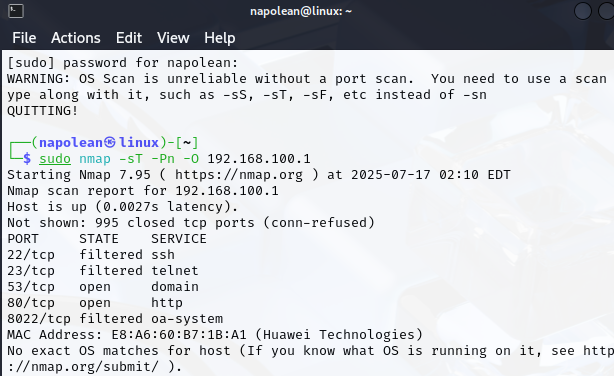
**Task#01: Set up a Kali Linux VM and explore its tools: Nmap, Wireshark, Metasploit.**

**Solution:**

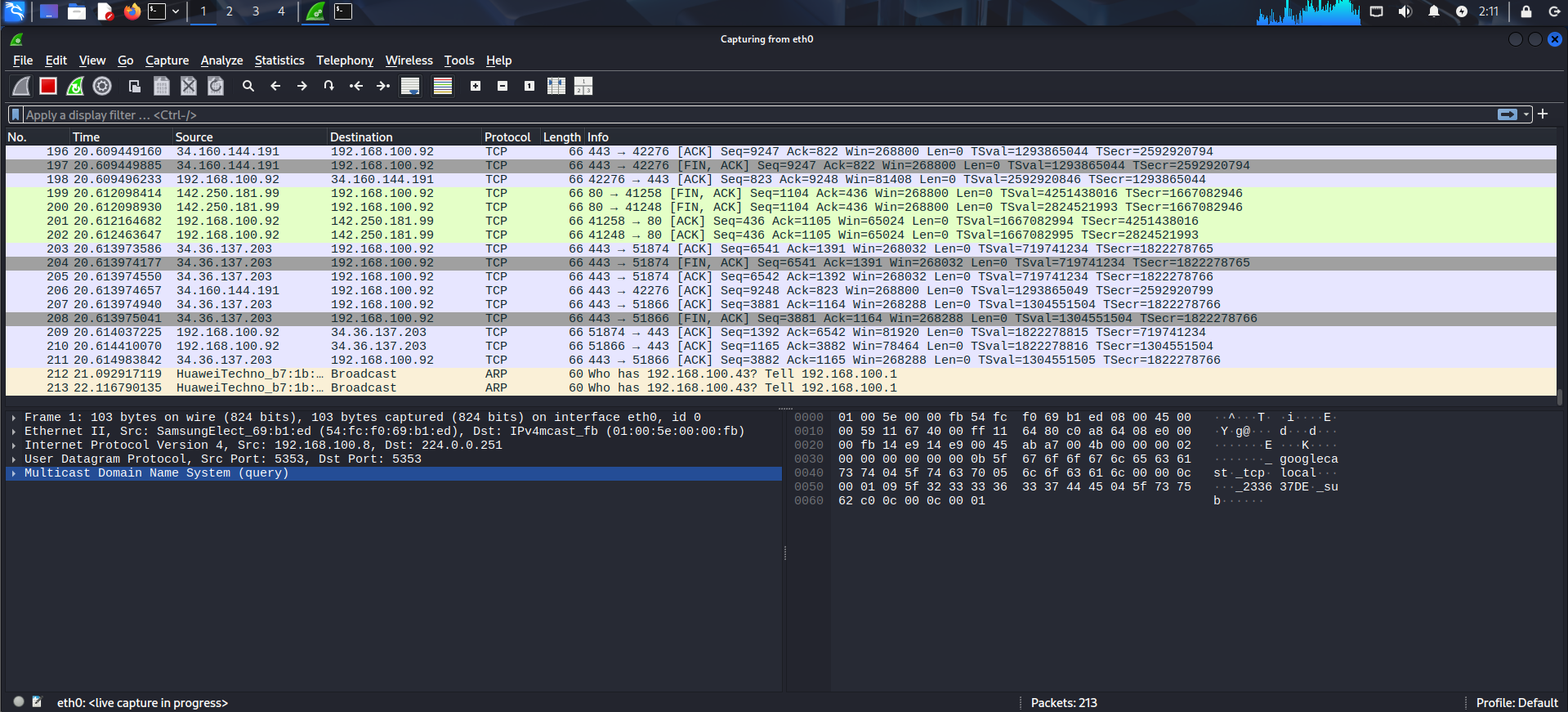
**Set up a Kali Linux VM:**



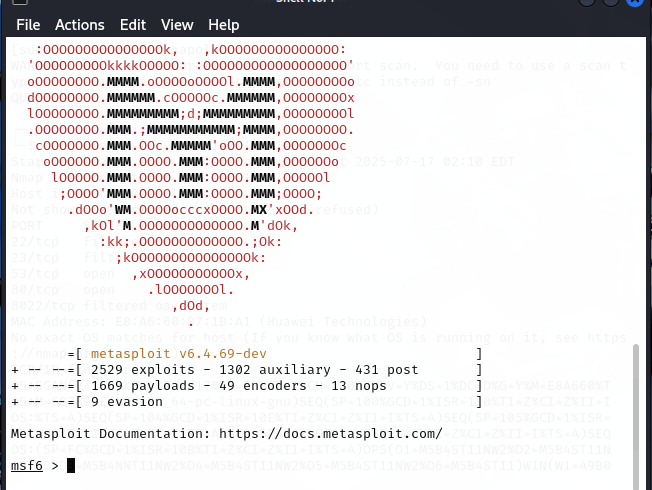
**Nmap:**



**WireShark:**



**Metasploit:**

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