Offensive Security

Penetration Test Report for
Internal Lab and Exam

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1.1   Service Enumeration

Example	
Type	Open ports
TCP	1,2,3
UDP	23,42
Linux OS Soft XP	**42.42.42.42**

Table 1: Service enumeration Example

1.2   Remote Access Exploitation

Vulnerability Exploited: CVE-123-42 „Stupid Idiot User"

Vulnerability Explanation: Human is vulnerable to a remote code execution. Attackers can use this vulnerability to access the system from a remote location. When performing the penetration test, John Doe noticed an outdated version of Human running from the service enumeration phase. A public exploit[1] was available and could be used without modification. A targeted attack was performed on the system, which gave John Doe low privilege access to the system.

Vulnerability Fix: The publishers of Human have issued a patch to fix this known issue.

Severity: Critical

Proof of Concept: Modifications to the existing exploit was needed and is highlighted in red.

```
1  SELECT * FROM login WHERE id = 1 or 1=1 AND user LIKE "%root%"
   In the code section :
3  Green Text
```

---
[1] https://www.exploit-db.com/exploits/9623

```
   Red  Text
5  Blue  Text
```

Listing 1: Exploitation of Example

Figure 1: Exploitation of Example

Screenshot:

Proof:

```
1  hostname && id && ifconfig && cat local.txt
```

Listing 2: Proof of local shell on Example

Figure 2: Local shell of Example

1.3 Privilege Escalation

Vulnerability Exploited: CVE-123-43 „Very Stupid Idiot User Again"

Vulnerability Explanation: Human is subject to a bug in XYZ. Attackers can use this vulnerability to perform a privilege escalation and take completely control over the system. When performing the penetration test, John Doe noticed an outdated version of Human. A public exploit[2] was available and could be used without modification. A targeted attack was performed on the system, which gave John Doe full administrative access over the system.

Vulnerability Fix: The publishers of Human have issued a patch to fix this known issue.

Severity: **Critical**

Proof of Concept: Modifications to the existing exploit was needed and is highlighted in red.

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[2]https://www.exploit-db.com/exploits/9623

```
1  SELECT * FROM login WHERE id = 1 or 1=1 AND user LIKE "%root%"
   In the code section :
3  Green Text
   Red Text
5  Blue Text
```

Listing 3: Exploitation of Example

Priv esc exploit

Quote: " The execution of the privilege escalation exploit. This can be a URL that is browsed to, running a Python script, executing a Metasploit module, etc. You do not need to screenshot every step, just the last step you took when sending your privilege escalation exploit."

Figure 3: Priv escalation exploit of Example

Screenshot:

Proof:

```
1  hostname && id && ifconfig && cat proof.txt
```

Listing 4: Post exploitation of Example

Figure 4: Proof of Example

2 DeepThought

2.1 Service Enumeration

DeepThought	
Type	Open ports
TCP	1,2,3
UDP	23,42
Earth	**42.42.42.23**

Table 2: Service enumeration DeepThought

2.2 Remote Access Exploitation

Vulnerability Exploited: Vogons

Vulnerability Explanation: BLA BLA WRITE SOMETHING HERE

Severity: **Critical**

Proof of Concept:

```
1  Kali prep:

3  Modifications in the exploit
   PANIC PANIC PANIC
5  Running the exploit

7  Escaping the low priv shell:
```
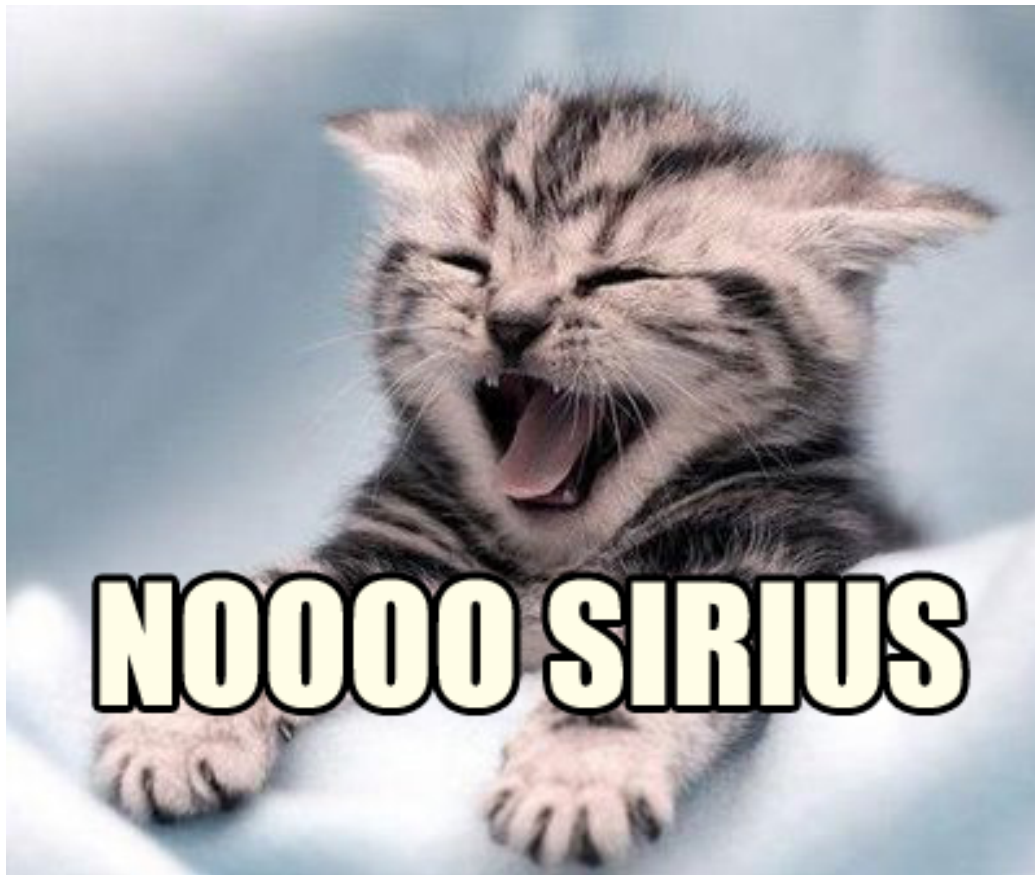
Listing 5: Exploitation of DeepThought

Figure 5: Exploitation of DeepThought

2.2.1   Privilege Escalation

Figure 6: Local shell of DeepThought

Figure 7: Priv escalation exploit of DeepThought

2.2.2   Proof and Post escalation

```
1  Post exploitation commands run:
```

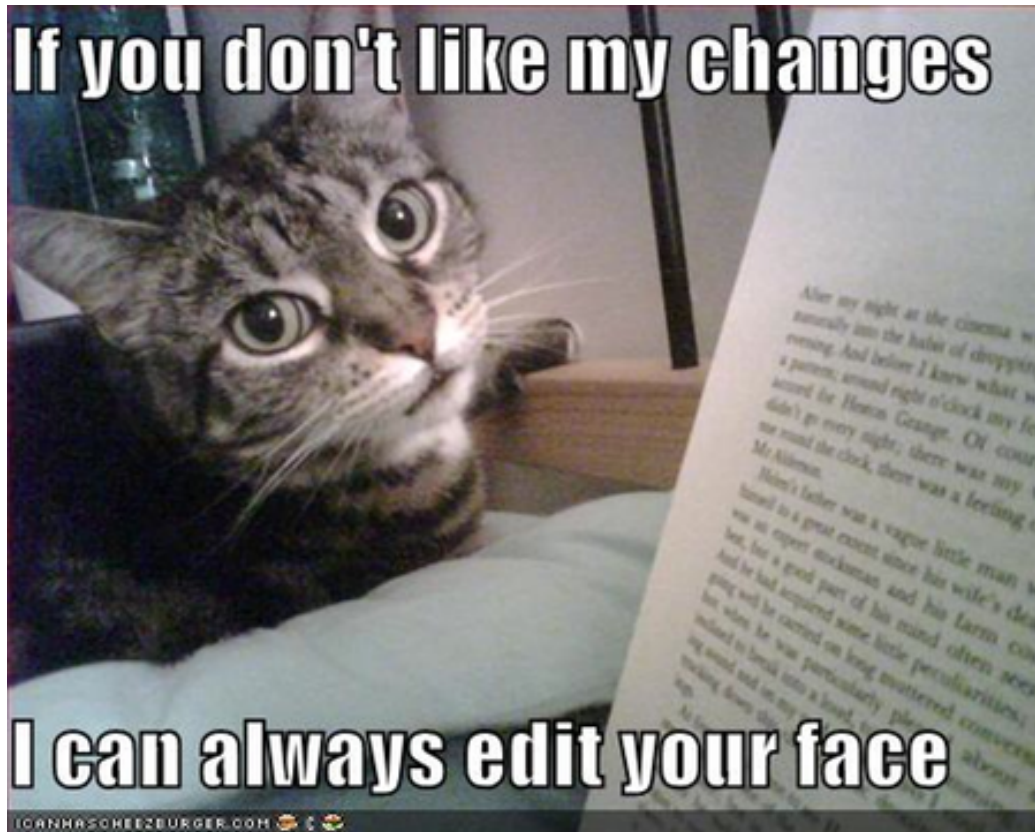**Listing 6:** Post exploitation of DeepThought

Figure 8: Proof of DeepThought