Minor 2 Project: Metasploitable & Mutillidae II

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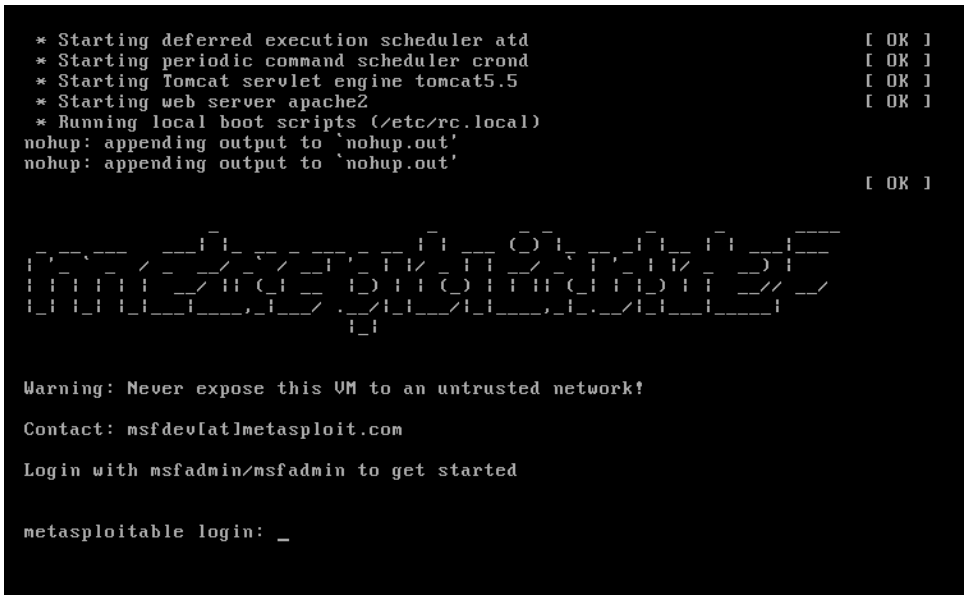
Project Title: Metasploitable Setup and Mutillidae II Fix

1. Introduction

This project demonstrates the installation and configuration of Metasploitable, creation of a new user, and fixing the Mutillidae II database error. The goal is to understand vulnerable systems and basic security concepts.



2. Metasploitable Setup

Metasploitable was installed on VMware on a Windows system. The virtual machine was successfully booted with credentials msfadmin / msfadmin and services were started.

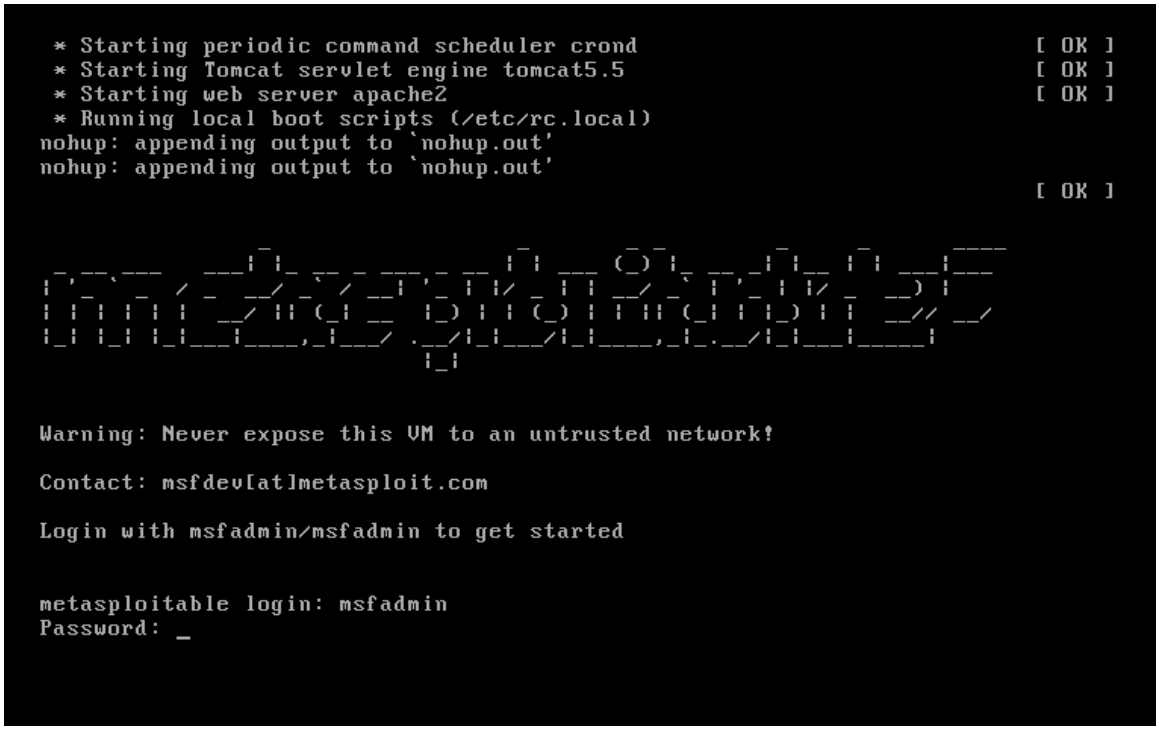


Figure 1: Metasploitable boot screen

3. User Creation

A new user named 'siddhima' was created using the adduser command. This verifies user management inside Metasploitable.

```
msfadmin@metasploitable:~$ sudo adduser siddhima
[sudo] password for msfadmin:
Adding user `siddhima' ...
Adding new group `siddhima' (1003) ...
Adding new user `siddhima' (1003) with group `siddhima' ...
Creating home directory `/home/siddhima' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for siddhima
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [y/N] y
msfadmin@metasploitable:~$ _
```

Figure 2: User creation command output

```
backup:x:34:34:backup:/var/backups:/bin/sh
list:x:38:38:Mailing List Manager:/var/list:/bin/sh
irc:x:39:39:ircd:/var/run/ircd:/bin/sh
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/bin/sh
nobody:x:65534:65534:nobody:/nonexistent:/bin/sh
libuuid:x:100:101::/var/lib/libuuid:/bin/sh
dhcp:x:101:102::/nonexistent:/bin/false
syslog:x:102:103::/home/syslog:/bin/false
klog:x:103:104::/home/klog:/bin/false
sshd:x:104:65534::/var/run/sshd:/usr/sbin/nologin
msfadmin:x:1000:1000:msfadmin,,,:/home/msfadmin:/bin/bash
bind:x:105:113::/var/cache/bind:/bin/false
postfix:x:106:115::/var/spool/postfix:/bin/false
ftp:x:107:65534::/home/ftp:/bin/false
postgres:x:108:117:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
mysql:x:109:118:MySQL Server,,,:/var/lib/mysql:/bin/false
tomcat55:x:110:65534::/usr/share/tomcat5.5:/bin/false
distccd:x:111:65534::/:/bin/false
user:x:1001:1001:just a user,111,,:/home/user:/bin/bash
service:x:1002:1002:,,,:/home/service:/bin/bash
telnetd:x:112:120::/nonexistent:/bin/false
proftpd:x:113:65534::/var/run/proftpd:/bin/false
statd:x:114:65534::/var/lib/nfs:/bin/false
siddhima:x:1003:1003:,,,:/home/siddhima:/bin/bash
msfadmin@metasploitable:~$
```

Figure 3: For Checking cat /etc/passwd

4. Mutillidae II Database Fix

The Mutillidae II application initially showed a database connection error. The configuration file was edited to fix database credentials.

Figure 4: Command for opening config file

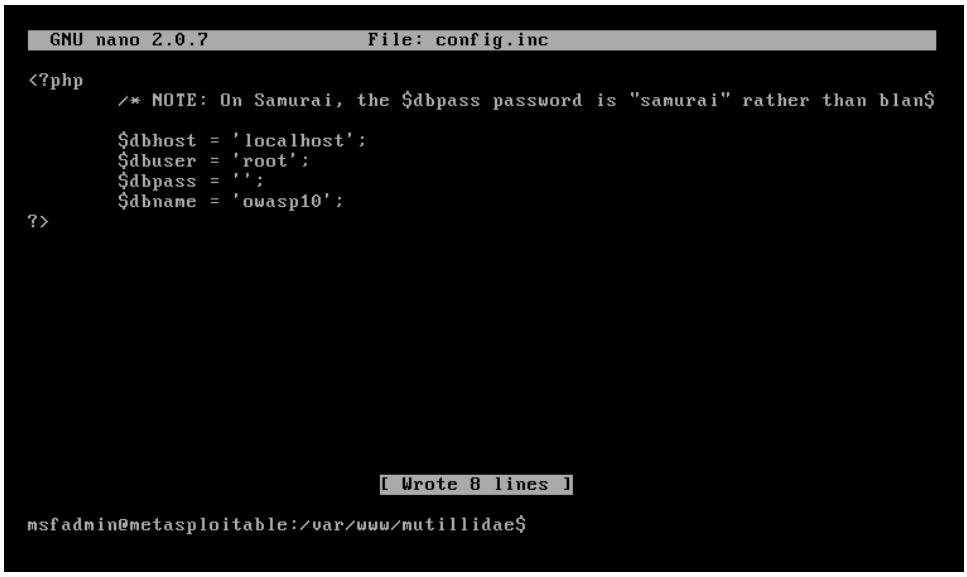


Figure 5: Editing Mutillidae config file

5. Verification in Browser

After fixing the database issue, Mutillidae II was accessed successfully through the browser without any errors.

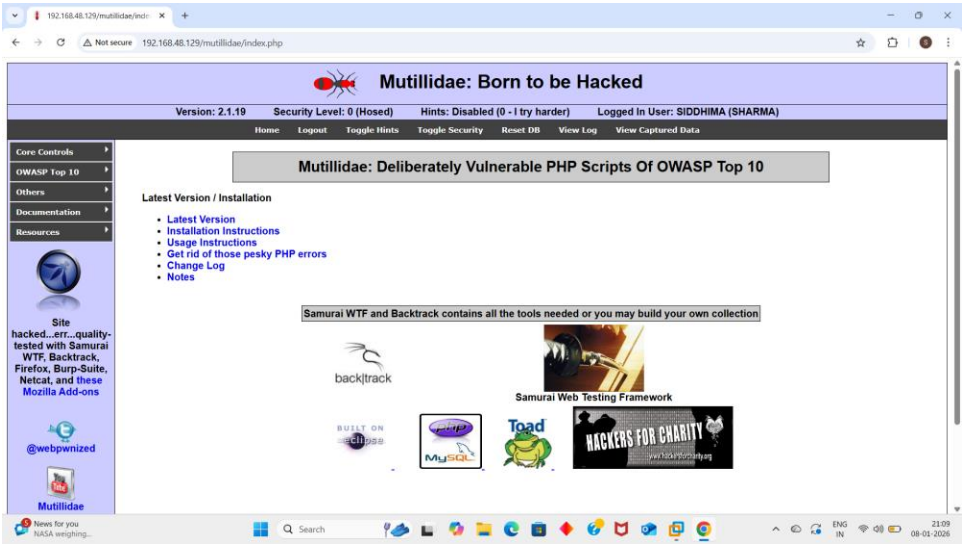


Figure 6: Mutillidae II running successfully

6. Conclusion

This project successfully demonstrated Metasploitable setup, user creation, and fixing Mutillidae II issues. The screenshots provide verification of each step.