

# **Metasploit Installation and Setup**

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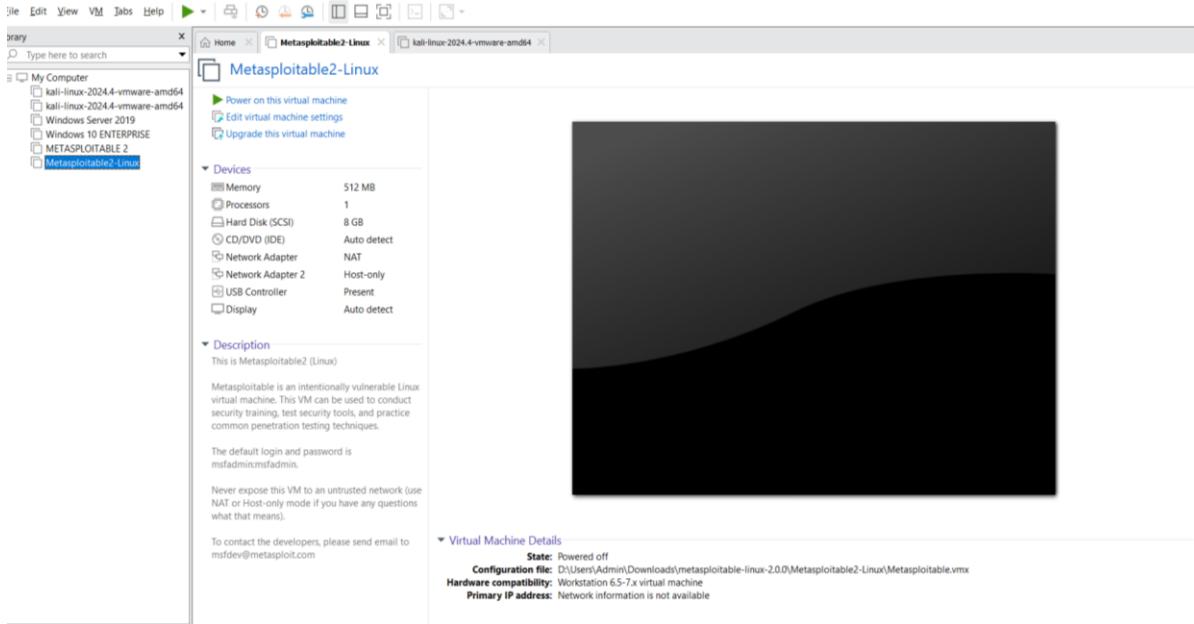
**Date:** [28-08-2025]

This document explains how to set up and verify the Metasploit Framework on Kali Linux. Each step also suggests screenshots you can add for documentation or project submission.

## **1. Requirements Before You Start**

To begin the setup, ensure you have:

- Kali Linux installed (in VirtualBox or VMware).
- A working internet connection.
- Access to the terminal with sudo privileges.



## 2. Installing Metasploit on Kali Linux

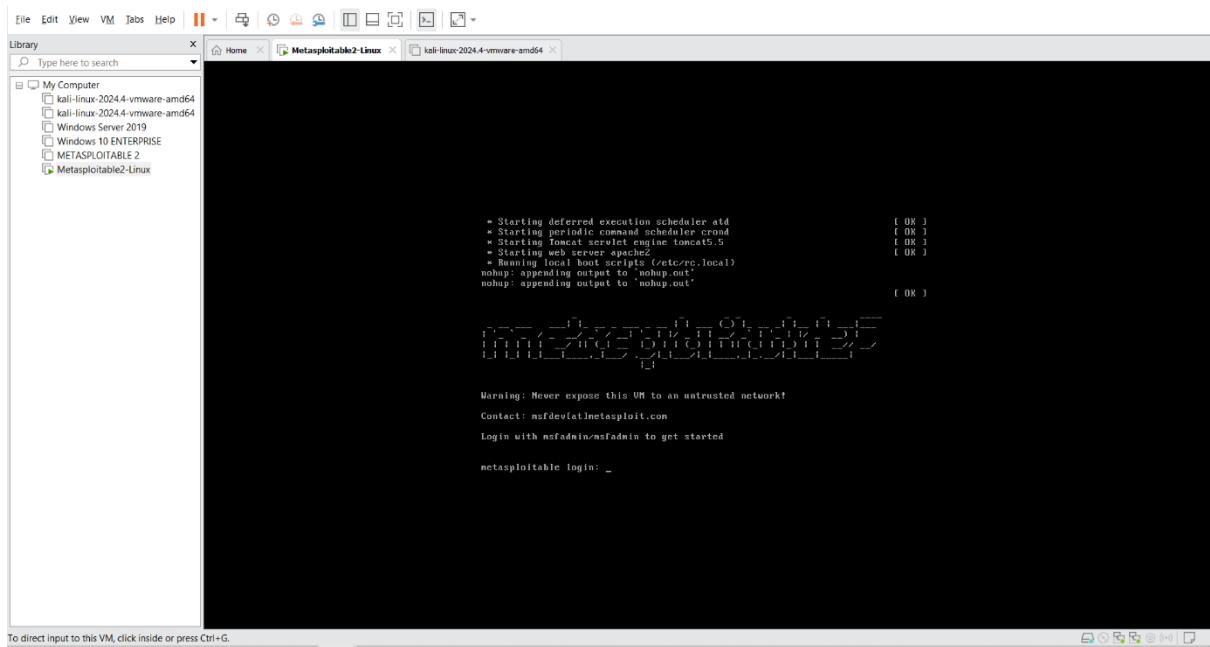
Open your terminal and run these commands to update your system and install Metasploit:

```
sudo apt update
```

```
sudo apt install metasploit-framework
```

Once installed, test it by launching:

```
msfconsole
```



### **3. Setting Up the Metasploit Database**

Metasploit uses PostgreSQL to manage and store data. Start it with:

```
sudo systemctl start postgresql
```

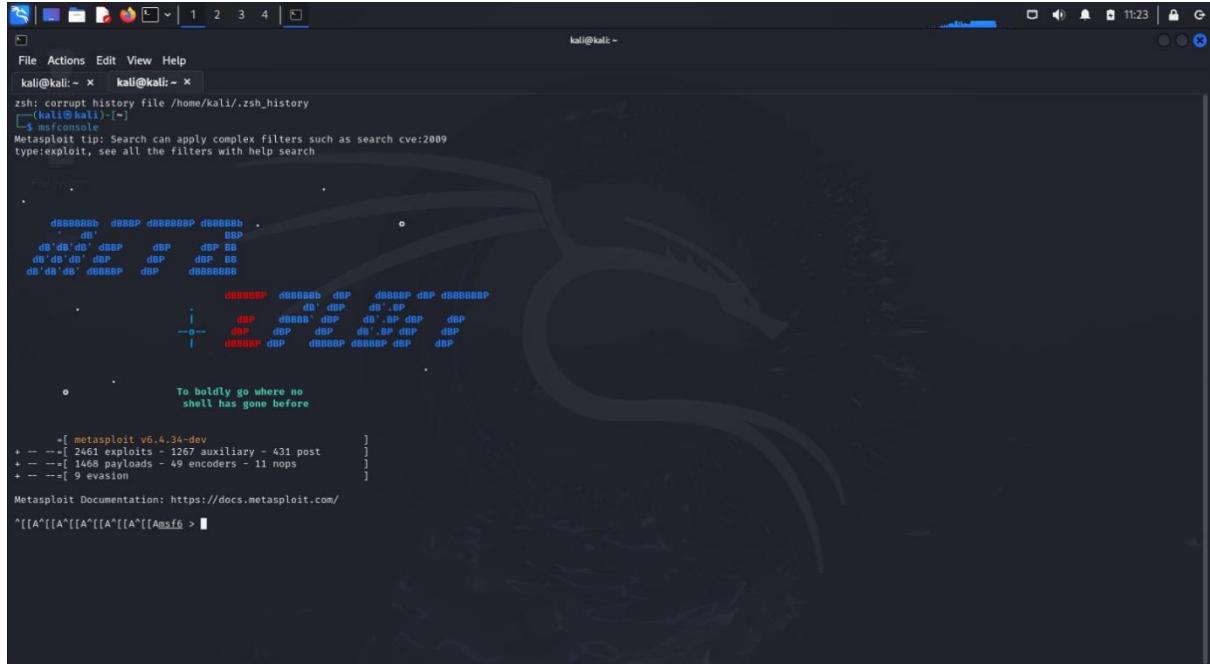
```
sudo systemctl enable postgresql
```

## 4. Confirming Everything Works

To make sure the setup is successful, just run:

## msfconsole

You should see Metasploit loading and the prompt (msf6 >) where you can enter commands.



## **5.Try a Simple Scan (Optional)**

Here's a basic example of using a Metasploit scanner module to check open ports:

```
use auxiliary/scanner/portscan/tcp
```

```
set RHOSTS [Target-IP]
```

```
run
```