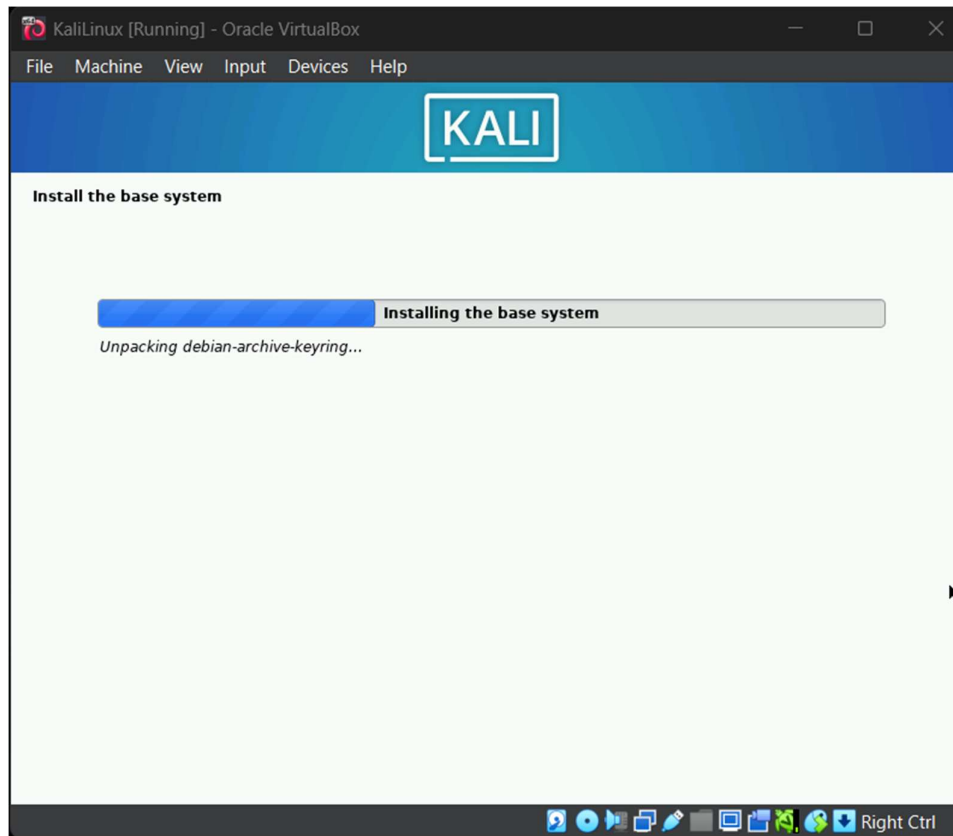
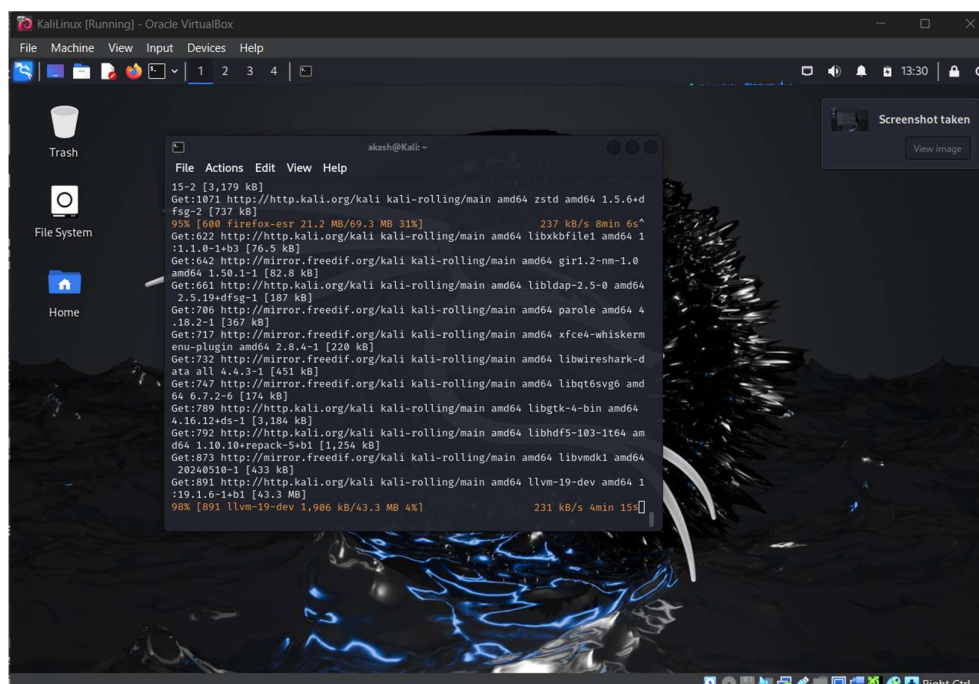


Platform Setup

1. Installation



2. Updating



Tools(Nmap,Whois,Scanme)

1. Nmap

```
akash@Kali: ~  
File Actions Edit View Help  
$ nmap -Pn -T4 --traceroute www.google.com  
Starting Nmap 7.95 ( https://nmap.org ) at 2025-01-24 14:16 IST  
Stats: 0:00:05 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Sc  
an  
SYN Stealth Scan Timing: About 4.40% done; ETC: 14:18 (0:02:10 remaining)  
Stats: 0:00:05 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Sc  
an  
SYN Stealth Scan Timing: About 4.70% done; ETC: 14:18 (0:02:02 remaining)  
Nmap scan report for www.google.com (142.250.193.196): (0:01:52 remaining)  
Host is up (0.052s latency).  
Other addresses for www.google.com (not scanned): 2404:6800:4002:810::2004  
rDNS record for 142.250.193.196: dell1s17-in-f4.1e100.net (0:01:52 remaining)  
Not shown: 998 filtered tcp ports (no-response) (0:01:52 remaining)  
PORT      STATE SERVICE  
80/tcp    open  http  
443/tcp   open  https  
TRACEROUTE (using port 80/tcp) 78.61% done; ETC: 14:13 (0:01:57 remaining)  
HOP RTT      ADDRESS  
1 46.51 ms dell1s17-in-f4.1e100.net (142.250.193.196)  
Nmap done: 1 IP address (1 host up) scanned in 23.13 seconds  
$
```

2. Whois

```
akash@Kali: ~  
File Actions Edit View Help  
$ whois google.com  
Domain Name: GOOGLE.COM  
Registry Domain ID: 2138514_DOMAIN_COM-VRSN  
Registrar WHOIS Server: whois.markmonitor.com  
Registrar URL: http://www.markmonitor.com  
Updated Date: 2019-09-09T15:39:04Z  
Creation Date: 1997-09-15T04:00:00Z  
Registry Expiry Date: 2028-09-14T04:00:00Z  
Registrar: MarkMonitor Inc.  
Registrar IANA ID: 292  
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com  
Registrar Abuse Contact Phone: +1.2086851750  
Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeletePr  
ohibited  
Domain Status: clientTransferProhibited https://icann.org/epp#clientTransf  
erProhibited  
Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdatePr  
ohibited  
Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeletePr  
ohibited  
Domain Status: serverTransferProhibited https://icann.org/epp#serverTransf  
erProhibited  
Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdatePr  
ohibited  
Name Server: NS1.GOOGLE.COM  
Name Server: NS2.GOOGLE.COM
```

3. Scanme

```
akash@Kali: ~  
File Actions Edit View Help  
$ nc -v scanme.nmap.org 80  
scanme.nmap.org [45.33.32.156] 80 (http) open  
echo -e "GET / HTTP/1.1\r\nHost: scanme.nmap.org\r\n\r\n" | nc scanme.nmap.or  
g 80  
HTTP/1.1 400 Bad Request  
Date: Fri, 24 Jan 2025 08:55:44 GMT  
Server: Apache/2.4.7 (Ubuntu)  
Content-Length: 306  
Connection: close  
Content-Type: text/html; charset=iso-8859-1  
  
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">  
<html><head>  
<title>400 Bad Request</title>  
</head><body>  
<h1>Bad Request</h1>  
<p>Your browser sent a request that this server could not understand.<br />  
</p>  
<hr>  
<address>Apache/2.4.7 (Ubuntu) Server at scanme.nmap.org Port 80</address>  
</body></html>
```