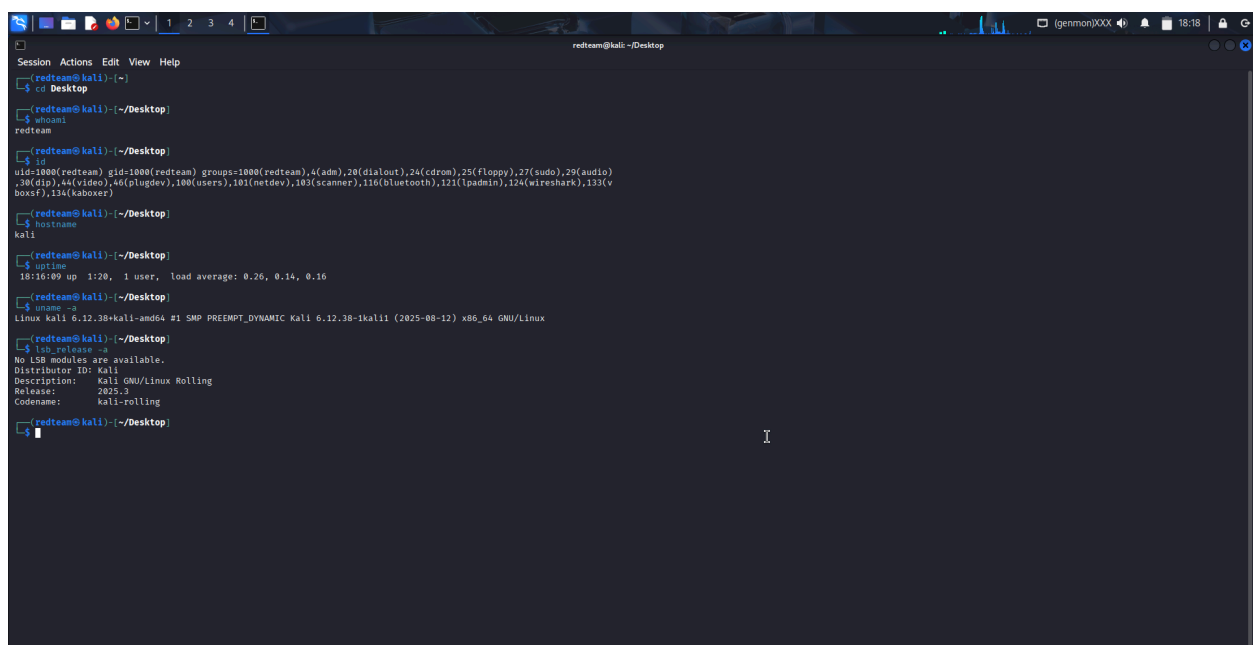


Linux Basic Commands – Project 2

In this project, I focused on mastering fundamental Linux commands essential for any cybersecurity professional. I structured the lab to cover **system info, file operations, process monitoring, networking, and search utilities**, demonstrating my ability to navigate, manage, and analyze Linux systems efficiently.

1. User & System Information

Commands like `whoami`, `id`, `hostname`, `uname -a`, and `lsb_release -a` were used to identify the current user, system distribution, kernel version, and host information. This ensures I can quickly understand any Linux environment, a crucial skill for troubleshooting and system audits.

A screenshot of a Kali Linux terminal window. The terminal shows the following commands and their outputs:
- `whoami` outputs: `redteam`
- `id` outputs: `uid=1000(redteam) gid=1000(redteam) groups=1000(redteam),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dsp),44(video),46(plugdev),100(users),101(netdev),103(scanner),110(bluetooth),121(lpadmin),124(wireshark),133(vboxsf),134(kubover)`
- `hostname` outputs: `kali`
- `uptime` outputs: `18:16:09 up 1:20, 1 user, load average: 0.26, 0.14, 0.16`
- `uname -a` outputs: `Linux kali 6.12.38-kali-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.12.38-1kali1 (2025-08-12) x86_64 GNU/Linux`
- `lsb_release -a` outputs: `No LSB modules are available. Distributor ID: Kali Description: Kali GNU/Linux Rolling Release: 2025.3 Codename: kali-rolling`

2. File & Directory Navigation

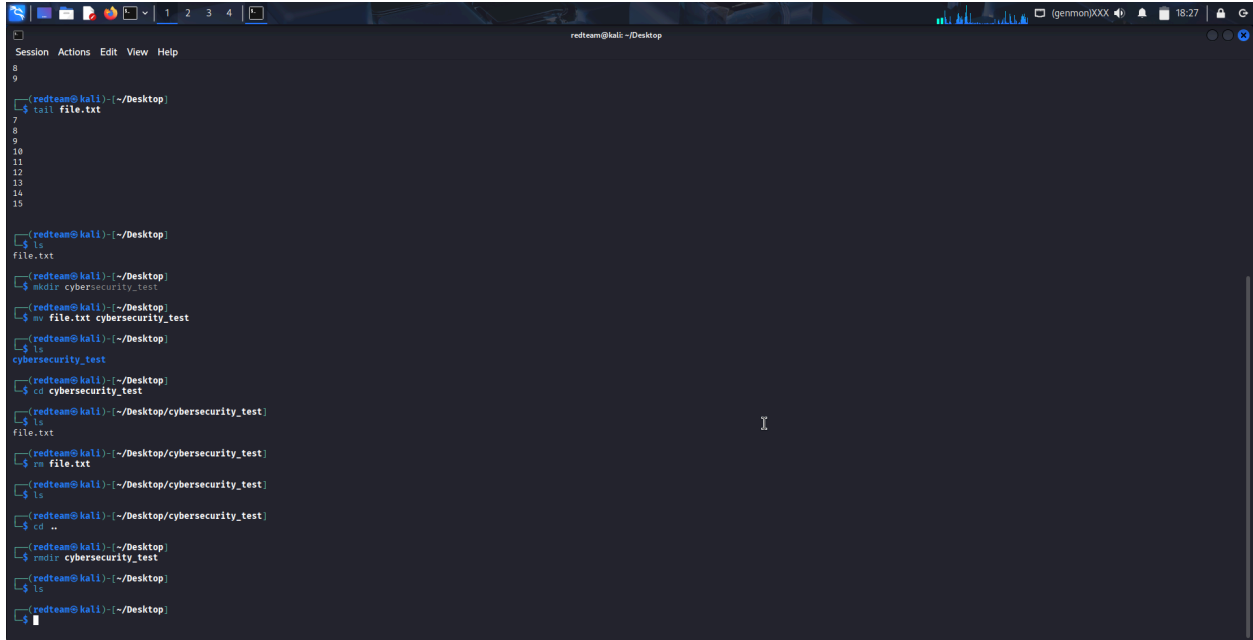
Commands such as `pwd`, `ls`, `cd`, `mkdir`, and `rmdir` were applied to navigate and manage directories. The `ls -l` and `ls -a` options allowed me to view detailed file information and hidden files. This demonstrates proficiency in organizing and exploring the filesystem.

```
redteam@kali: ~/Desktop
$ pwd
/home/redteam/Desktop
$ ls
$ ls -l
total 0
$ ls -a
.
..
$ mkdir cybersecurity_test
$ cd cybersecurity_test
$ cd ..
$ rmdir cybersecurity_test
$ ls
$
```

3. File Operations

Using **touch**, **cat**, **head**, **tail**, **cp**, **mv**, and **rm**, I learned to create, view, copy, move, and delete files safely. These commands are foundational for scripting, backups, and file management in professional environments.

```
redteam@kali: ~/Desktop
$ touch file.txt
$ ls
file.txt
$ nano file.txt
$ cat file.txt
welcome to Cyberworld!
$ head file.txt
welcome to Cyberworld!
$ nano file.txt
$ head file.txt
welcome to Cyberworld!
1
2
3
4
5
6
7
8
9
$ tail file.txt
7
8
9
10
11
12
13
14
15
$ ls
file.txt
$ mkdir cybersecurity_test
```

A terminal window titled 'redteam@kali: ~/Desktop' showing a series of file management commands. The user creates a file named 'file.txt', then creates a directory 'cybersecurity_test', moves 'file.txt' into it, and enters the directory. They then list the contents, rename 'file.txt' to 'file.txt', list the contents again, and exit the directory. Finally, they remove the directory 'cybersecurity_test' and list the contents of the desktop. The terminal output shows the execution of these commands and the resulting file structure.

```
redteam@kali:~/Desktop
$ cat file.txt
file.txt
$ ls
file.txt
$ mkdir cybersecurity_test
$ mv file.txt cybersecurity_test
$ ls
cybersecurity_test
$ cd cybersecurity_test
$ ls
file.txt
$ rm file.txt
$ ls
$ cd ..
$ rm -r cybersecurity_test
$ ls
```

4. Searching & Pattern Matching with **grep**

I extended my skills with **grep** to filter and analyze text data:

- **grep "pattern" file** → Basic pattern search.
- **grep -i "pattern" file** → Case-insensitive search.
- **grep -v "pattern" file** → Excludes lines matching the pattern.
- **grep -c "pattern" file** → Counts the number of matching lines.

These variations allow quick analysis of logs, configuration files, and large datasets—key skills for penetration testing and system monitoring.

```
redteam@kali ~  
Session Actions Edit View Help  
[redteam@kali] ~/Desktop  
$ cat testfile.txt  
Hello! Welcome to Cyberworld.  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
hello  
[redteam@kali] ~/Desktop  
$ grep -i hello testfile.txt  
Hello! Welcome to Cyberworld.  
hello  
[redteam@kali] ~/Desktop  
$ grep -c hello testfile.txt  
1  
[redteam@kali] ~/Desktop  
$ grep -i -c hello testfile.txt  
2  
[redteam@kali] ~/Desktop  
$ grep -v 15 testfile.txt  
Hello! Welcome to Cyberworld.  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
hello  
[redteam@kali] ~/Desktop
```

```
[redteam@kali] ~/Desktop  
$ wc testfile.txt  
18 20 73 testfile.txt  
[redteam@kali] ~/Desktop  
$ find testfile.txt  
testfile.txt  
[redteam@kali] ~/Desktop  
$ cd ..
```

5. Permissions & Ownership

`chmod`, `chown`, and `ls -l` were used to manage file permissions and ownership. This demonstrates awareness of Linux security practices and the principle of least privilege.

```
redteam@kali: ~/Desktop
ls
testfile.txt
redteam@kali: ~/Desktop
ls -l testfile.txt
-rw-rw-r-- 1 redteam redteam 73 Sep 22 18:46 testfile.txt
redteam@kali: ~/Desktop
chmod 755 testfile.txt
redteam@kali: ~/Desktop
ls -l testfile.txt
-rwxr-xr-x 1 redteam redteam 73 Sep 22 18:46 testfile.txt
redteam@kali: ~/Desktop
chmod +x testfile.txt
redteam@kali: ~/Desktop
ls -l testfile.txt
-rwxr-xr-x 1 redteam redteam 73 Sep 22 18:46 testfile.txt
redteam@kali: ~/Desktop
chmod -x testfile.txt
redteam@kali: ~/Desktop
ls -l testfile.txt
-rw-r--r-- 1 redteam redteam 73 Sep 22 18:46 testfile.txt
redteam@kali: ~/Desktop
chmod +x testfile.txt
redteam@kali: ~/Desktop
ls -l testfile.txt
-rwxr-xr-x 1 redteam redteam 73 Sep 22 18:46 testfile.txt
redteam@kali: ~/Desktop
$
```

6. Process & System Monitoring

Commands like `ps`, `top`, `free -h`, `df -h`, and `du -h` helped monitor system resources, processes, memory, and disk usage, showing readiness for performance analysis and troubleshooting.

```
redteam@kali: ~
Session Actions Edit View Help
redteam@kali: ~/Pictures
ps
  PID TTY          TIME CMD
 3535 pts/0    00:00:14 zsh
 5418 pts/0    00:00:00 ps
redteam@kali: ~/Pictures
top
```

```

top - 19:11:18 up 2:15, 1 user, load average: 0.16, 0.26, 0.21
Tasks: 176 total, 1 running, 175 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 8.7 sy, 0.0 ni, 91.3 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 3921.9 total, 2056.7 free, 968.6 used, 1165.6 buff/cache
MiB Swap: 4093.0 total, 4093.0 free, 0.0 used. 2953.3 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM    TIME+  COMMAND
  710 root        20   0 448868 173348 76312 S   9.1   4.3   6:19.67 Xorg
 1039 redteam    20   0 887044 134484 91756 S   9.1   3.3   1:07.87 xfwm4
 3528 redteam    20   0 668252 83316 63312 S   9.1   2.1   0:34.07 qterminal
    1 root        20   0 23804 14768 10696 S   0.0   0.4   0:01.59 systemd
    2 root        20   0      0      0      0 S   0.0   0.0   0:00.04 kthreadd
    3 root        20   0      0      0      0 S   0.0   0.0   0:00.00 pool_workqueue_release
    4 root        20  -20      0      0      0 I   0.0   0.0   0:00.00 kworker/R-kvfree_rcu_reclaim
    5 root        20  -20      0      0      0 I   0.0   0.0   0:00.00 kworker/R-rcu_gp
    6 root        20  -20      0      0      0 I   0.0   0.0   0:00.00 kworker/R-sync_wq
    7 root        20  -20      0      0      0 I   0.0   0.0   0:00.00 kworker/R-slub_flushwq
    8 root        20  -20      0      0      0 I   0.0   0.0   0:00.00 kworker/R-netns
   12 root        20   0      0      0      0 I   0.0   0.0   0:00.00 kworker/u8:0-ipv6_addrconf
   13 root        20  -20      0      0      0 I   0.0   0.0   0:00.00 kworker/R-mm_percpu_wq
   14 root        20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_kthread
   15 root        20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
   16 root        20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
   17 root        20   0      0      0      0 S   0.0   0.0   0:00.58 ksoftirqd/0
   18 root        20   0      0      0      0 I   0.0   0.0   0:03.50 rcu_preempt
   19 root        20   0      0      0      0 S   0.0   0.0   0:00.00 rcu_exp_par_gp_kthread_worker/0
   20 root        20   0      0      0      0 S   0.0   0.0   0:00.06 rcu_exp_gp_kthread_worker
   21 root        20   0      0      0      0 S   0.0   0.0   0:00.12 migration/0
   22 root       -51   0      0      0      0 S   0.0   0.0   0:00.00 idle_inject/0
   23 root        20   0      0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
   24 root        20   0      0      0      0 S   0.0   0.0   0:00.00 cpuhp/1
   25 root       -51   0      0      0      0 S   0.0   0.0   0:00.00 idle_inject/1
   26 root        20   0      0      0      0 S   0.0   0.0   0:00.80 migration/1
   27 root        20   0      0      0      0 S   0.0   0.0   0:01.33 ksoftirqd/1
   30 root        20   0      0      0      0 I   0.0   0.0   0:00.66 kworker/u9:0-flush-8:0
   34 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kdevtmpfs
   35 root        20  -20      0      0      0 I   0.0   0.0   0:00.00 kworker/R-inet_frag_wq
   36 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kauditd
   37 root        20   0      0      0      0 S   0.0   0.0   0:00.04 khungtaskd

```

```

redteam@kali: ~
Session Actions Edit View Help
30 root 20 0 0 0 0 I 0.0 0.0 0:00.66 kworker/u9:0-flush-8:0
34 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kdevtmpfs
35 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-inet_frag_wq
36 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kauditd
37 root 20 0 0 0 0 S 0.0 0.0 0:00.04 khungtaskd
38 root 20 0 0 0 0 S 0.0 0.0 0:00.00 com.trader
40 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-writeback
42 root 20 0 0 0 0 S 0.0 0.0 0:00.94 kcompactd0
43 root 20 5 0 0 0 S 0.0 0.0 0:00.00 ksmd
44 root 39 19 0 0 0 S 0.0 0.0 0:01.70 khugepaged
45 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-kintegrityd
46 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-kblkcdd
47 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-bkcg_punt_bio
48 root -51 0 0 0 0 S 0.0 0.0 0:00.00 irq/9-acpi
50 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-tpm_dev_wq
51 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-edac-poller
52 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-devfreq_wq
54 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kswapd0
62 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-kthrotld
66 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-acpi_thermal_pm
67 root 20 0 0 0 0 I 0.0 0.0 0:00.00 kworker/R-mld

redteam@kali:~/Pictures
$ free -h
              total        used        free      shared  buff/cache   available
Mem:           3.8GiB       942MiB       2.8GiB        24MiB       1.1GiB       2.9GiB
Swap:           4.8GiB           0B       4.8GiB

redteam@kali:~/Pictures
$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            1.9G     0 1.9G   0% /dev
tmpfs           75G   15G  56G  22% /
/dev/sda1       75G   15G  56G  22% /
tmpfs           2.0G  4.8M  2.0G   1% /dev/shm
tmpfs           5.0M     0 5.0M   0% /run/lock
tmpfs           1.0M     0 1.0M   0% /run/credentials/systemd-journald.service
tmpfs           2.0G  55K  2.0G   1% /tmp
tmpfs           1.0M     0 1.0M   0% /run/credentials/getty@tty1.service
tmpfs           393M  132K  393M   1% /run/user/1000

redteam@kali:~/Pictures
$ cd ..

redteam@kali:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos

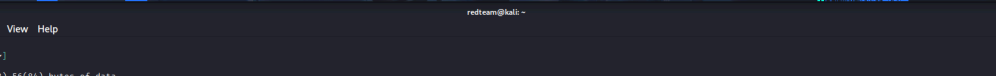
redteam@kali:~$ du -h Desktop
8.0K Desktop

redteam@kali:~$

```

7. Networking & Connectivity

Using `ping`, `ip a`, and `ss -tuln`, I confirmed network connectivity, IP addresses, and listening services. This ensures foundational networking understanding for cybersecurity tasks. (I hide my ip for privacy concerns)



The screenshot shows a Kali Linux terminal window with the title bar "redteam@kali -". The terminal content is as follows:

```

redteam@kali)[-]
└─$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data:
64 bytes from 8.8.8.8: icmp_seq=1 ttl=119 time=29.2 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=119 time=23.6 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=119 time=24.4 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=119 time=23.6 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=119 time=24.0 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=119 time=24.3 ms

^C — 8.8.8.8 ping statistics —
6 packets transmitted, 6 received, 0% packet loss, time 5007ms
rtt min/avg/max/mdev = 23.620/24.845/29.151/1.947 ms

redteam@kali)[-]
└─$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute

```

8. Package Management

Commands like `sudo apt update`, `sudo apt upgrade -y`, `sudo apt install`, and `sudo apt remove, purge` allowed me to manage software installations and updates—critical for maintaining secure, up-to-date environments.

```

redteam@kali:~$ sudo apt update && sudo apt upgrade -y
[sudo] password for redteam:
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [21.0 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [50.5 MB]
91% [3 Contents-amd64 11.2 MB/50.5 MB 22%] 125 kB/s 5min 190 kB/s 3min 35s

Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [119 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [326 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Packages [291 kB]
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [911 kB]
Get:8 http://kali.download/kali kali-rolling/non-free-firmware amd64 Packages [11.3 kB]
fetched 73.2 MB in 3min 35s (132 kB/s)
11 packages can be upgraded. Run 'apt list --upgradable' to see them.

The following packages were automatically installed and are no longer required:
  libbzluray2 libdata-common libgeos3-1b-1 libjs-underscore libplacebo349 libqt5ct-common libsgisvg2 libsoup-2.4-1 libtheora0 libtheoraec1 libvpx9 python3-packaging-whl
  libgdal36 libgdal22 libhdf4-0-alt libhog4.1 libportmidi libsfml1 libsoup-2.4-1 libtheora0 libtheoraec1 libvpx9 python3-wheel-whl
Use 'sudo apt autoremove' to remove them.

Upgrading:
  dmidekg-icon-theme intel-microcode libcgi-pm-perl python3-ssgref python3-rq ruby-activesupport yelp-xsl

Not upgrading:
  libpskcktd6 pipx powershell-empire python3-pyinstaller

Summary:
  Upgrading: 7, Installing: 0, Removing: 0, Not Upgrading: 4
  Download size: 12.8 MB
  Space needed: 26.6 kB / 59.5 GB available

Get:3 http://kali.darlab.sh/kali kali-rolling/main amd64 libcgi-pm-perl all 4.70-1 [217 kB]
Get:1 http://kali.download/kali kali-rolling/non-free-firmware amd64 intel-microcode amd64 3.28258812-1 [11.5 MB]
98% [1 intel-microcode 3.856 kB/11.5 MB 35%] 93.9 kB/s 1min 31s

```

```
redteam@kali: ~  
Session Actions Edit View Help  
The following packages were automatically installed and are no longer required:  
libluray2 libgdata-common libgeos1.11 libjs-underscore libplacebo49 libqt5ct-common1.8 libsigsegv2 libsoup2.4-common libtheoradec1 libudfread0 python3-packaging-whl  
libgdata36 libgdata22 libhdf5-0-alt libogdi4.1 libportmidi0 libframe1 libsoup-2.4-1 libtheora8 libtheoraenc1 libvp9 python3-wheel-whl  
Use 'sudo apt autoremove' to remove them.  
Upgrading:  
adwaita-icon-theme intel-microcode libgc1-pm-perl python3-aspiref python3-rq ruby-activesupport yelp-xsl  
Not upgrading:  
libpsk8064 pipx powershell-empire python3-pyinstaller  
Summary:  
Upgrading: 7, Installing: 0, Removing: 0, Not Upgrading: 4  
Download size: 12.8 MB  
Space needed: 26.6 KB / 59.5 GB available  
Get:1 http://kali.darlab.sh/kali kali-rolling/main amd64 libgc1-pm-perl all 4.70-1 [217 kB]  
Get:2 http://kali.darlab.sh/kali kali-rolling/non-free-firmware amd64 intel-microcode amd64 3.20250812.1 [11.5 MB]  
Get:3 http://kali.darlab.sh/kali kali-rolling/main amd64 adwaita-icon-theme all 49.0-1 [587 kB]  
Get:4 http://kali.darlab.sh/kali kali-rolling/main amd64 python3-aspiref all 3.9.1-2 [59.3 kB]  
Get:5 http://kali.darlab.sh/kali kali-rolling/main amd64 python3-rq all 2.6-1 [59.1 kB]  
Get:6 http://kali.darlab.sh/kali kali-rolling/main amd64 ruby-activesupport all 2.7.2.2.2dfsg-1 [223 kB]  
Get:7 http://kali.darlab.sh/kali kali-rolling/main amd64 yelp-xsl all 49.0-1 [206 kB]  
Fetched 12.8 MB in 1min 45s (121 kB/s)  
(Reading database ... 459817 files and directories currently installed.)  
Preparing to unpack .../0-intel-microcode_3.20250812.1_amd64.deb ...  
Unpacking intel-microcode (3.20250812.1) over (3.20250512.1) ...  
Preparing to unpack .../1-adwaita-icon-theme_49.0-1_all.deb ...  
Unpacking adwaita-icon-theme (49.0-1) over (49-rc-1) ...  
Preparing to unpack .../2-libgc1-pm-perl_4.70-1_all.deb ...  
Unpacking libgc1-pm-perl (4.70-1) over (4.68-1) ...  
Preparing to unpack .../3-python3-aspiref_3.9.1-2_all.deb ...  
Unpacking python3-aspiref (3.9.1-2) over (3.8.1-1) ...  
Preparing to unpack .../4-python3-rq_2.6-1_all.deb ...  
Unpacking python3-rq (2.6-1) over (2.5-1) ...  
Preparing to unpack .../5-ruby-activesupport_2.7.2.2.2dfsg-1_all.deb ...  
Unpacking ruby-activesupport (2.7.2.2.2dfsg-1) over (2.7.2.2.1dfsg-7) ...  
Preparing to unpack .../6-yelp-xsl_49.0-1_all.deb ...  
Unpacking yelp-xsl (49.0-1) over (49-rc-1) ...  
Setting up intel-microcode (3.20250812.1) ...  
intel-microcode: microcode will be updated at next boot  
Setting up ruby-activesupport (2.7.2.2.2dfsg-1) ...  
Setting up libgc1-pm-perl (4.70-1) ...  
Setting up python3-rq (2.6-1) ...  
Setting up adwaita-icon-theme (49.0-1) ...  
Setting up yelp-xsl (49.0-1) ...  
Setting up python3-aspiref (3.9.1-2) ...  
Processing triggers for man-db (2.12.1-1) ...  
Processing triggers for kali-menu (2025.4.0) ...  
Processing triggers for inotify-tools (0.14.3-1) ...  
update-initramfs: Generating /boot/initrd.img-6.12.38-kali-amd64  
redteam@kali:~$
```

```
redteam@kali: ~  
Session Actions Edit View Help  
$ sudo apt install pluma  
The following packages were automatically installed and are no longer required:  
libluray2 libgdata-common libgeos1.11 libjs-underscore libplacebo49 libqt5ct-common1.8 libsigsegv2 libsoup2.4-common libtheoradec1 libudfread0 python3-packaging-whl  
libgdata36 libgdata22 libhdf5-0-alt libogdi4.1 libportmidi0 libframe1 libsoup-2.4-1 libtheora8 libtheoraenc1 libvp9 python3-wheel-whl  
Use 'sudo apt autoremove' to remove them.  
Installing:  
pluma  
Installing dependencies:  
gir1.2-gtksource-4 gir1.2-peas-1.0 gir1.2-pluma-1.0 libadwaita-1-0 libappstream5 libpeas-1.0-0 libpeas-common libstemmer0d libxmlb2 mate-desktop-common pluma-common zenity zenity-common  
Summary:  
Upgrading: 0, Installing: 14, Removing: 0, Not Upgrading: 4  
Download size: 6,814 KB  
Space needed: 46.6 MB / 59.5 GB available  
Continue? [Y/n] Y  
Get:1 http://kali.darlab.sh/kali kali-rolling/main amd64 gir1.2-gtksource-4 amd64 4.8.4-7 [30.2 kB]  
Get:2 http://kali.darlab.sh/kali kali-rolling/main amd64 zenity-common all 4.1.99-1 [2,672 kB]  
Get:3 http://kali.darlab.sh/kali kali-rolling/main amd64 libadwaita-1-0 amd64 1.7.6-1kali1 [543 kB]  
Get:4 http://kali.darlab.sh/kali kali-rolling/main amd64 libpeas-common all 1.36.0-5 [50.4 kB]  
Get:5 http://kali.darlab.sh/kali kali-rolling/main amd64 libpeas-1.0-0 amd64 1.36.0-5 [60.9 kB]  
Get:6 http://kali.darlab.sh/kali kali-rolling/main amd64 gir1.2-peas-1.0 amd64 1.36.0-5 [6,276 B]  
Get:7 http://kali.darlab.sh/kali kali-rolling/main amd64 gir1.2-pluma-1.0 amd64 1.26.1-2.1+b1 [30.3 kB]  
Get:8 http://kali.darlab.sh/kali kali-rolling/main amd64 libstemmer0d amd64 3.0.1-1 [131 kB]  
Get:9 http://kali.darlab.sh/kali kali-rolling/main amd64 libxmlb2 amd64 0.3.23-1 [63.1 kB]  
Get:10 http://kali.darlab.sh/kali kali-rolling/main amd64 libappstream5 amd64 1.0.6-1 [227 kB]  
Get:11 http://kali.darlab.sh/kali kali-rolling/main amd64 mate-desktop-common all 1.26.2-1.2 [508 kB]  
Get:12 http://kali.darlab.sh/kali kali-rolling/main amd64 pluma-common all 1.26.1-2.1 [2,022 kB]  
Get:13 http://kali.darlab.sh/kali kali-rolling/main amd64 pluma amd64 1.26.1-2.1+b1 [485 kB]  
Get:14 http://kali.darlab.sh/kali kali-rolling/main amd64 zenity amd64 4.1.99-1 [74.3 kB]  
Fetched 6,814 KB in 1min 42s (67.8 kB/s)  
(Reading database ... 459817 files and directories currently installed.)  
Preparing to unpack .../00-gir1.2-gtksource-4_4.8.4-7_amd64.deb ...  
Unpacking gir1.2-gtksource-4:amd64 (4.8.4-7) ...  
Selecting previously unselected package libpeas-common.  
Preparing to unpack .../01-libpeas-common_1.36.0-5_all.deb ...  
Unpacking libpeas-common (1.36.0-5) ...  
Selecting previously unselected package libpeas-1.0-0:amd64.  
Preparing to unpack .../02-libpeas-1.0-0_1.36.0-5_amd64.deb ...  
Unpacking libpeas-1.0-0:amd64 (1.36.0-5) ...  
Selecting previously unselected package gir1.2-peas-1.0:amd64.  
Preparing to unpack .../03-gir1.2-peas-1.0_1.36.0-5_amd64.deb ...  
Unpacking gir1.2-peas-1.0:amd64 (1.36.0-5) ...  
Selecting previously unselected package gir1.2-pluma-1.0.  
Preparing to unpack .../04-gir1.2-pluma-1.0_1.26.1-2.1+b1_amd64.deb ...  
Unpacking gir1.2-pluma-1.0 (1.26.1-2.1+b1) ...  
Selecting previously unselected package libstemmer0d:amd64.  
Preparing to unpack .../05-libstemmer0d_3.0.1-1_amd64.deb ...  
Unpacking libstemmer0d:amd64 (3.0.1-1) ...  
Selecting previously unselected package libxmlb2:amd64.  
Preparing to unpack .../06-libxmlb2_0.3.23-1_amd64.deb ...  
Unpacking libxmlb2:amd64 (0.3.23-1) ...
```



```
redteam@kali: ~
Session Actions Edit View Help
Setting up libpeas-1.0-0:amd64 (1.36.0-5) ...
Setting up pluma-common (1.26-1-2+b1) ...
Setting up libstemmer0:amd64 (3.0.1-1) ...
Setting up libappstream5:amd64 (1.0.6-1) ...
Setting up libadwaita-1-0:amd64 (1.7.6-1kali1) ...
Setting up zenity (4.1.99-1) ...
Setting up gir1.2-peas-1.0:amd64 (1.36.0-5) ...
Processing triggers for man-db (2.13.1-1) ...
Processing triggers for libgl1:amd64 (2.84.4-3) ...
Processing triggers for kali-menu (2025.4.0) ...
Processing triggers for desktop-file-utils (0.28-1) ...
Processing triggers for hicolor-icon-theme (0.18-2) ...
Processing triggers for libc-bin (2.41-12) ...
Setting up pluma (1.26-1-2+b1) ...

--(redteam@kali)-[~]
└─$ sudo apt purge pluma
The following packages were automatically installed and are no longer required:
gir1.2-gtksource-4 libgdata-common libpeas-common libsoup2.4-common libxmlb2
gir1.2-peas-1.0 libgdata22 libplacebo349 libstemmer0 mate-desktop-common
gir1.2-pluma-1.0 libgeos3.13.1 libportmidi0 libtheora0 pluma-common
libadwaita-1-0 libbdf4-0-alt libb2ct-common1.0 libtheoradec1 python3-packaging-whl
libappstream5 libjs-underscore libjsframe1 libtheoraenc1 python3-wheel-whl
libbluray2 libgdi4.1 libsigsegv2 libudfread0 zenity
libgdl36 libpeas-1.0-0 libsoup-2.4-1 libvpx9 zenity-common
Use 'sudo apt autoremove' to remove them.

REMOVING:
pluma

Summary:
Upgrading: 0, Installing: 0, Removing: 1, Not Upgrading: 4
Freed space: 1,588 kB

Continue? [Y/n] y
(Reading database ... 42021 files and directories currently installed.)
Removing pluma (1.26-1-2+b1) ...
Processing triggers for desktop-file-utils (0.28-1) ...
Processing triggers for man-db (2.13.1-1) ...
Processing triggers for kali-menu (2025.4.0) ...

--(redteam@kali)-[~]
└─$ sudo apt purge pluma
Package 'pluma' is not installed, so not removed
The following packages were automatically installed and are no longer required:
gir1.2-gtksource-4 libadwaita-1-0 libgdl36 libgeos3.13.1 libgdi4.1 libplacebo349 libjsframe1 libsoup2.4-common libtheoradec1 libvpx9 pluma-common zenity
gir1.2-peas-1.0 libappstream5 libgdata-common libbdf4-0-alt libpeas-1.0-0 libportmidi0 libsigsegv2 libstemmer0 libtheoraenc1 libxmlb2 python3-packaging-whl zenity-common
gir1.2-pluma-1.0 libbluray2 libgdata22 libjs-underscore libpeas-common libqt5ct-common1.0 libsoup-2.4-1 libtheora0 libudfread0 mate-desktop-common python3-wheel-whl
Use 'sudo apt autoremove' to remove them.

Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 4

--(redteam@kali)-[~]
└─$
```