Troubleshooting Guide For Linux Support

1. Fix Slow Boot

Sometimes your Linux machine takes forever to start up. Here's how to check what's slowing it down:

Command in terminal: "systemd-analyze"

```
imad-baraja@cyberdawg:/home$ systemd-analyze
```

Explanation:

This Command shows the total boot time and which services are taking the longest. If a specific service is slow, you can investigate or disable it.

To get detailed info about the service times:

Command: "systemd-analyze blame

```
imad-baraja@cyberdawg:/home$ system-analyze blame
```

2. Solve Permission Denied Errors

If yuo get "permission denied" when accessing files or running commands:

Command in terminal: " ls -l filename
           sudo chmod u+rwx filename
           sudo chown username:groupname filename "

```
imad-baraja@cyberdawg:/home$ ls -l filename
```

```
imad-baraja@cyberdawg:/home$ sudo chmod u+rwx filename
```

```
imad-baraja@cyberdawg:/home$ sudo chown username:groupname filename
```

Explanation:

ls -l checks current permissions
chmod changes permissions to allow read, write, execute
chown changes the file owner and group

Use these carefully, especially with sudo, to avoid security risks.

3. Restart Network Services

If your internet or Wi-Fi is acting up, restarting the network manager can fix many issues:

Command in terminal: "sudo systemctl restart NetworkManager"

```
imad-baraja@cyberdawg:/home$ sudo systemctl restart NetworkManager
```

Explanation:

This restarts the NetworkManager service, which handles Wi-Fi.
You can also check network status with:

Command: "nmcli general status"

```
imad-baraja@cyberdawg:/home$ nmcli general status
```

4. Clean Temporary Files

Old cache and temp files can clog your system and slow it down.

Command in terminal: " rm -rf /tmp/*
                       rm -rf ~/.cache/* "

```
imad-baraja@cyberdawg:/home$ rm -rf /tmp/*
```

```
imad-baraja@cyberdawg:/home$ rm -rf ~/.cache/*
```

Explanation:
These commands delete temporary files in system and user cache folders.

Be careful not to delete important files accidentally.