1.  **Issue**: Ubuntu won't boot after update.
    **Solution**: Run `sudo apt-get install --reinstall ubuntu-desktop` or boot into recovery mode and fix broken packages.

2.  **Issue**: Ubuntu is running slow.
    **Solution**: Remove unnecessary services and applications, check CPU/memory usage, and optimize startup programs.

3.  **Issue**: Wi-Fi not connecting.
    **Solution**: Restart Network Manager (`sudo service network-manager restart`) or update drivers.

4.  **Issue**\*\*: Screen brightness not adjustable.
    **Solution**: Install or update the appropriate display driver (`sudo apt install xserver-xorg-video-intel` or `sudo apt install xserver-xorg-video-nouveau`).

5.  **Issue**: Touchpad not working.
    **Solution**: Install touchpad drivers (`sudo apt install xserver-xorg-input-synaptics`).

6.  **Issue**: Audio not working.
    **Solution**: Check sound settings (`alsamixer`), update audio drivers (`sudo apt-get install alsa-base`), or run `pulseaudio --start`.

7.  **Issue**: Screen flickering.
    **Solution**: Update graphics driver (`sudo apt update && sudo apt upgrade`) or try disabling compositing effects.

8.  **Issue**: Battery draining fast.
    **Solution**: Reduce screen brightness, disable background apps, and check power management settings.

9.  **Issue**: External monitor not detected.
    **Solution**: Run `xrandr --output <output-name> --auto` or install/display driver (`sudo apt-get install nvidia-driver`).

10. **Issue**: System is overheating.
    **Solution**: Clean the cooling system, install `lm-sensors` to monitor temperatures, and adjust power settings.

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## Package Management & Update Issues

11. **Issue**: "E: Unable to locate package" error.
    **Solution**: Update package index (`sudo apt update`) or add required repositories.

12. **Issue**: Broken packages after update.
    **Solution**: Run `sudo apt --fix-broken install` to fix broken dependencies.

13. **Issue**: Software sources not updating.
    **Solution**: Check `Software & Updates` to ensure necessary repositories are enabled.

14. **Issue**: Unable to update due to permissions.
    **Solution**: Use `sudo` to run commands, e.g., `sudo apt update`.

15. **Issue**: No internet while installing packages.
    **Solution**: Check network configuration (`nmcli` command) or router settings.

16. **Issue**: Failed to upgrade packages.
    **Solution**: Run `sudo apt-get update && sudo apt-get upgrade` to clear any upgrade issues.

17. **Issue**: No sound after upgrade.
    **Solution**: Reinstall audio drivers (`sudo apt-get install alsa-base pulseaudio`) or run `pulseaudio --start`.

18. **Issue**: "Checksum mismatch" error during installation.
    **Solution**: Clear the apt cache (`sudo apt clean`) and try again.

19. **Issue**: GPG error when updating repositories.
    **Solution**: Update GPG keys (`sudo apt-key update`).

20. **Issue**: "Failed to fetch" error for package repositories.
    **Solution**: Check your network connection and fix issues with source URLs.

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## Graphics & Display Issues

21. **Issue**: Screen resolution not properly detected.
    **Solution**: Use `xrandr` to set the correct resolution.

22. **Issue**: Ubuntu doesn't recognize GPU.
    **Solution**: Install necessary GPU drivers (`sudo apt-get install nvidia-driver-<version>`).

23. **Issue**: Black screen on boot.
    **Solution**: Press `Ctrl + Alt + F1` to log in and check logs (`dmesg`) for errors.

24. **Issue**: Display flickering or artifacts.
    **Solution**: Disable Compiz settings or update GPU driver.

25. **Issue**: Window scaling issues on high DPI displays.
    **Solution**: Adjust scaling settings in Display settings.

26. **Issue**: Display output isn't detected properly.
    **Solution**: Use `xrandr` to identify and configure outputs.

27. **Issue**: Screen tearing.
    **Solution**: Install and configure `TearFree` (`sudo apt-get install ubuntu-tweak` and enable TearFree option).

28. **Issue**: Graphics card overheating.
    **Solution**: Use `sensors` command to check temps and adjust fan speed or undervolt.

29. **Issue**: Broken X Server.
    **Solution**: Try reinstalling X Server (`sudo apt-get install --reinstall xserver-xorg`).

30. **Issue**: Screen rotation not working.
    **Solution**: Use `xrandr --output <display> --rotate <orientation>`.

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## Network & Internet Issues

31. **Issue**: No network connectivity.
    **Solution**: Restart `NetworkManager` (`sudo service network-manager restart`) or check network settings.

32. **Issue**: IP address not assigned.
    **Solution**: Use `sudo dhclient` to request an IP address.

33. **Issue**: Wi-Fi dropping frequently.
    **Solution**: Disable IPv6 or update the Wi-Fi driver.

34. **Issue**: Slow network speeds.
    **Solution**: Change DNS settings to Google DNS (`8.8.8.8` and `8.8.4.4`).

35. **Issue**: Ethernet not working.
    **Solution**: Check if the cable is plugged in properly, and use `sudo dhclient`.

36. **Issue**: DNS resolution issues.
    **Solution**: Update DNS settings (`sudo nano /etc/resolv.conf`) or install `netplan` to configure DNS.

37. **Issue**: VPN not connecting.
    **Solution**: Check VPN configurations (`.ovpn` file) and install VPN client software.

38. **Issue**: Network adapter not recognized.
    **Solution**: Install necessary kernel modules (`sudo modprobe <module-name>`).

39. **Issue**: Public IP address not accessible.
    **Solution**: Verify firewall settings and open necessary ports.

40. **Issue**: Internet not working after update.
    **Solution**: Restart `network-manager` and check for network issues.

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## Performance & Resource Usage

41. **Issue**: CPU spikes and high load.
    **Solution**: Identify resource-hogging processes using `top` or `htop`.

42. **Issue**: High memory usage.
    **Solution**: Use `htop` to kill unnecessary processes.

43. **Issue**: Disk space running out.
    **Solution**: Clear unwanted files (`sudo apt-get autoremove`, `sudo apt-get clean`).

44. **Issue**: High disk I/O wait times.
    **Solution**: Optimize disk usage or defragment files.

45. **Issue**: System freezing or crashing.
    **Solution**: Check logs for errors (`dmesg`).

46. **Issue**: Ubuntu not shutting down properly.
    **Solution**: Update and reinstall the `systemd` service (`sudo apt-get install --reinstall systemd`).

47. **Issue**: Poor I/O performance due to outdated file system.
    **Solution**: Upgrade to newer file systems like `ext4`.

48. **Issue**: High CPU temperature.
    **Solution**: Monitor with `sensors`, clean the cooling system.

49. **Issue**: Swap space running out.
    **Solution**: Add swap space (`sudo dd if=/dev/zero of=/swapfile bs=1M count=2048`).

50. **Issue**: Slow boot time.
    **Solution**: Disable unnecessary services (`systemctl list-units --type=service --state=disabled`).

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## Software Installation & Compatibility Issues

51. **Issue**: Packages failing to install.
    **Solution**: Use `sudo apt-get install -f` to fix dependencies.

52. **Issue**: Missing libraries for applications.
    **Solution**: Install missing packages using `sudo apt-get install <package-name>`.

53. **Issue**: Applications crashing.
    **Solution**: Check logs (`journalctl`), update packages, or reinstall problematic software.

54. **Issue**: Software updates not installing.
    **Solution**: Run `sudo apt update && sudo apt upgrade -y`.

55. **Issue**: Old applications not compatible with Ubuntu.
    **Solution**: Use alternatives like Wine or virtual environments.

56. **Issue**: Unable to install .deb packages.
    **Solution**: Use `sudo dpkg -i` to install .deb files.

57. **Issue**: Virtual machine performance issues.
    **Solution**: Allocate more resources to VMs.

58. **Issue**: Programs not launching.
    **Solution**: Verify executable paths and dependencies.

59. **Issue**: GTK-based applications missing themes.
    **Solution**: Install necessary theme packages (`sudo apt-get install gtk-theme`).

60. **Issue**: Software not found in repositories.
    **Solution**: Add third-party repositories (`add-apt-repository`).

## Security & Permissions Issues

61. **Issue**: Insufficient privileges.
    **Solution**: Use `sudo` to execute commands.

62. **Issue**: File permissions issues.
    **Solution**: Use `chmod` or `chown` to modify file permissions.

63. **Issue**: Sudoers permissions not configured.
    **Solution**: Edit `sudoers` file with `sudo visudo`.

64. **Issue**: Firewall blocking connections.
    **Solution**: Disable or configure firewall (`sudo ufw enable/disable`).

65. **Issue**: SSH access denied.
    **Solution**: Check SSH configuration and restart the service.

66. **Issue**: Security updates not applying.
    **Solution**: Run `sudo apt-get update && sudo apt-get upgrade`.

67. **Issue**: SSH keys not working.
    **Solution**: Ensure SSH keys are added (`ssh-add`).

68. **Issue**: Unauthorized access detected.
    **Solution**: Check logs (`journalctl`) and secure the system.

69. **Issue**: Root account locked.
    **Solution**: Use `passwd` to unlock the root account.

70. **Issue**: Firewall blocking required ports.
    **Solution**: Use `ufw allow` to open ports.

## Hardware & Peripheral Issues

71. **Issue**: External drives not recognized.
    **Solution**: Install `udisks2` package or use `mount` command.

72. **Issue**: Bluetooth not working.
    **Solution**: Install `blueman` or check `hcitool` and `bluetoothctl`.

73. **Issue**: Webcam not detected.
    **Solution**: Install `uvcvideo` driver or check with `lsusb`.

74. **Issue**: Printer not recognized.
    **Solution**: Install printer drivers or use `cups` for configuration.

75. **Issue**: USB devices not working.
    **Solution**: Verify USB settings (`lsusb` to detect devices).

76. **Issue**: Touchscreen not functioning.
    **Solution**: Install `xserver-xorg-input-synaptics` or related drivers.

77. **Issue**: External storage not mounted.
    **Solution**: Use `mount /dev/sdX /mnt/` or `udisksctl mount`.

78. **Issue**: Audio output issues from external speakers.
    **Solution**: Configure external speakers via audio settings.

79. **Issue**: Bluetooth audio not working.
    **Solution**: Check and install necessary Bluetooth A2DP profiles.

80. **Issue**: USB ports not recognizing certain devices.
    **Solution**: Install `usbutils

## Graphical User Interface (GUI) Issues

81. **Issue**: Unity desktop not working.
    **Solution**: Switch to Gnome or another desktop environment (`sudo apt install gnome-shell`).

82. **Issue**: Missing desktop icons.
    **Solution**: Right-click desktop > Change desktop settings or reinstall the desktop environment.

83. **Issue**: Panel or taskbar missing.
    **Solution**: Restart Gnome shell with `alt + f2 → r`.

84. **Issue**: No minimize/maximize buttons in windows.
    **Solution**: Enable window buttons using Gnome Tweaks (`sudo apt-get install gnome-tweak-tool`).

85. **Issue**: Application windows are not draggable.
    **Solution**: Check `compiz` settings or tweak Gnome settings.

86. **Issue**: Custom themes not applied.
    **Solution**: Install theme packages (`sudo apt-get install gnome-themes-standard`).

87. **Issue**: Missing dock or launcher.
    **Solution**: Install or enable dock using `Dash to Dock` extension.

88. **Issue**: Dark mode not working.
    **Solution**: Install dark theme plugins or configure through Gnome Tweaks.

89. **Issue**: Taskbar or dock transparency not working.
    **Solution**: Use Gnome Tweaks to adjust transparency.

90. **Issue**: Screen resolution not listed.
    **Solution**: Use `xrandr` to set custom resolution.

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## Additional Common Issues and Solutions

91. **Issue**: Unable to mount NTFS partitions.
    **Solution**: Install `ntfs-3g` driver (`sudo apt-get install ntfs-3g`).

92. **Issue**: Kernel panic on boot.
    **Solution**: Boot into recovery mode and update `initramfs` (`sudo update-initramfs -u`).

93. **Issue**: Dropbox not syncing.
    **Solution**: Restart Dropbox or install missing dependencies (`sudo apt install python-requests`).

94. **Issue**: Grub not loading.
    **Solution**: Boot into Grub menu (`Shift` key on boot) and repair Grub with `sudo update-grub`.

95. **Issue**: Cannot install Docker.
    **Solution**: Install Docker using `curl -fsSL https://get.docker.com | sudo sh`.

96. **Issue**: Synaptic Package Manager not opening.
    **Solution**: Install `synaptic` (`sudo apt install synaptic`).

97. **Issue**: Screen recording not working.
    **Solution**: Install `simple-screen-recorder` (`sudo apt-get install simple-screen-recorder`).

98. **Issue**: Unable to install Java.
    **Solution**: Install OpenJDK using `sudo apt install openjdk-<version>`.

99. **Issue**: No Bluetooth device found.
    **Solution**: Install `bluez` package (`sudo apt-get install bluez`).

100. **Issue**: Terminal not recognizing commands.
    **Solution**: Ensure the command is typed correctly or re-install the terminal emulator.

101. **Issue**: Screen flickering or tearing.
    **Solution**: Install `compton` for screen compositing (`sudo apt-get install compton`).

102. **Issue**: Printer not detected.
    **Solution**: Install printer drivers via `cups` (`sudo apt-get install cups`).

103. **Issue**: Keyboard layout switching not working.
    **Solution**: Set up keyboard layouts using `gnome-tweaks` or configure `xkeyboard-config`.

104. **Issue**: Broken icons in the system tray.
    **Solution**: Install missing icon themes (`sudo apt-get install gtk2-engines-pixbuf`).

105. **Issue**: No sound after updates.
    **Solution**: Check `alsa` settings or install `pulseaudio` (`sudo apt-get install pulseaudio`).

106. **Issue**: Wi-Fi keeps disconnecting.
    **Solution**: Disable power-saving mode for Wi-Fi (`sudo iwconfig wlan0 power off`).

107. **Issue**: Google Chrome missing updates.
    **Solution**: Use `apt` package for Google Chrome installation (`wget https://dl.google.com/linux/direct/google-chrome-stable_current_amd64.deb`).

108. **Issue**: No drivers for NVIDIA graphics.
    **Solution**: Install NVIDIA drivers (`sudo apt-get install nvidia-driver-<version>`).

109. **Issue**: No response from `apt` commands.
    **Solution**: Update `apt` repository (`sudo apt-get update`).

110. **Issue**: Bluetooth not pairing with devices.
    **Solution**: Ensure Bluetooth is enabled and paired (`sudo service bluetooth restart`).

111. **Issue**: Disk space running out.
    **Solution**: Use `df -h` to check usage and remove unwanted files (`sudo apt-get clean`).

112. **Issue**: No available updates.
    **Solution**: Check `update-manager` (`sudo apt-get upgrade`).

113. **Issue**: SSH not working.
    **Solution**: Check SSH status (`sudo systemctl status ssh`), enable SSH (`sudo systemctl enable ssh`).

114. **Issue**: Slow boot time.
    **Solution**: Optimize boot process (`sudo systemd-analyze blame` and `sudo systemd-analyze plot`).

115. **Issue**: System overheating.
    **Solution**: Clean fans and apply thermal paste; use `lm-sensors` to monitor.

116. **Issue**: Wine not launching applications.
     **Solution**: Install Wine (`sudo apt-get install wine-stable`).

117. **Issue**: Key bindings not working properly.
     **Solution**: Reconfigure using `gnome-tweaks` or `xbindkeys`.

118. **Issue**: No GUI environment on server.
     **Solution**: Install `xorg` and desktop environment (`sudo apt-get install ubuntu-desktop`).

119. **Issue**: Stuck at login loop.
     **Solution**: Switch TTY (`Ctrl + Alt + F3`), remove `~/.Xauthority`, and restart.

120. **Issue**: Battery not detected.
     **Solution**: Install `acpi` (`sudo apt-get install acpi`).

121. **Issue**: Screen resolution not available.
     **Solution**: Use `xrandr` to force resolutions (`xrandr --output <output> --mode <resolution>`).

122. **Issue**: Unable to eject USB drive.
     **Solution**: Use `udisksctl` to force eject (`udisksctl unmount -b /dev/sdX`).

123. **Issue**: Incomplete updates.
     **Solution**: Use `dpkg --configure -a` to complete installations.

124. **Issue**: Docker permission denied.
     **Solution**: Add user to Docker group (`sudo usermod -aG docker $USER`).

125. **Issue**: No sound in web browsers.
     **Solution**: Install `pulseaudio-module-bluetooth` (`sudo apt-get install pulseaudio-module-bluetooth`).

126. **Issue**: Software center not opening.
     **Solution**: Install `software-center` (`sudo apt-get install software-center`).

127. **Issue**: Slow boot after encryption setup.
     **Solution**: Optimize encryption options in `GRUB` configuration.

128. **Issue**: GNOME extensions not installing.
     **Solution**: Install GNOME Shell Extensions Manager (`sudo apt-get install gnome-shell-extension-prefs`).

129. **Issue**: `bash` shell not working.
     **Solution**: Check `/etc/passwd` for `bash` entry.

130. **Issue**: Booting into a black screen.
     **Solution**: Boot into recovery mode and repair video drivers.

131. **Issue**: No updates from `snapd`.
     **Solution**: Refresh snap (`snap refresh --all`).

132. **Issue**: Broken `apt` dependencies.
    **Solution**: Run `sudo dpkg --configure -a` to fix.

133. **Issue**: Old software version.
    **Solution**: Add repository with `ppa:...` (`sudo add-apt-repository ppa:...`).

134. **Issue**: Broken symbolic links.
    **Solution**: Use `find / -type l -exec rm -f {} \;` to remove broken links.

135. **Issue**: `X11` environment missing.
    **Solution**: Reinstall `xorg` (`sudo apt-get install xorg`).

136. **Issue**: No keyboard backlight.
    **Solution**: Install `brightnessctl` (`sudo apt-get install brightnessctl`).

137. **Issue**: Network interfaces missing.
    **Solution**: Check `ifconfig` or `ip a` for network interfaces.

138. **Issue**: No swap space configured.
    **Solution**: Create swap file (`sudo fallocate -l 2G /swapfile`).

139. **Issue**: No power management settings.
    **Solution**: Install `tlp` (`sudo apt-get install tlp`).

140. **Issue**: No GNOME applications showing.
    **Solution**: Install GNOME applications (`sudo apt-get install gnome-shell`).

141. **Issue**: Missing default apps.
    **Solution**: Reinstall using `apt-get` (`sudo apt-get install default-apps`).

142. **Issue**: Power settings not applied.
    **Solution**: Use `gnome-control-center` to manage power settings.

143. **Issue**: UFW not allowing ports.
    **Solution**: Add rules (`sudo ufw allow <port>`).

144. **Issue**: Invalid path error for programs.
    **Solution**: Check `$PATH` using `echo $PATH`.

145. **Issue**: `apt` not updating keyring.
    **Solution**: Update keyring (`sudo apt-get update`).

146. **Issue**: `sudo` not working properly.
    **Solution**: Add user to sudoers (`sudo adduser $USER sudo`).

147. **Issue**: No VPN configuration.
    **Solution**: Install `openvpn` (`sudo apt-get install openvpn`).

148. **Issue**: Missing SSH key pair.
    **Solution**: Generate SSH keys (`ssh-keygen -t rsa`).

149. **Issue**: Missing `/dev/sdX` entries.
    **Solution**: Use `lsblk` to check disk and mount partitions.

150. **Issue**: No IPv6 connectivity.
     **Solution**: Enable IPv6 in `sysctl` (`sudo sysctl -w net.ipv6.conf.all.disable_ipv6=0`).

151. **Issue**: No wireless drivers.
     **Solution**: Install `linux-firmware` (`sudo apt-get install linux-firmware`).

152. **Issue**: Black screen on wake from suspend.
     **Solution**: Add `i915` parameter in `GRUB` (`i915.enable_rc6=7`).

153. **Issue**: No `cd` command available.
     **Solution**: Ensure `bash` or other shell is properly configured.

154. **Issue**: Swap partition not detected.
     **Solution**: Use `lsblk` to check swap (`/dev/sdX1` for swap).

155. **Issue**: No power options for external monitors.
     **Solution**: Install `xrandr` and configure using `xrandr --output HDMI-1 --auto`.

156. **Issue**: No available `gcc` version.
     **Solution**: Install `gcc` (`sudo apt-get install gcc`).

157. **Issue**: Wi-Fi disconnects during large file transfers.
     **Solution**: Disable Wi-Fi power management.

158. **Issue**: `bash` history not preserving commands.
     **Solution**: Increase `HISTFILESIZE` in `~/.bashrc`.

159. **Issue**: Sound settings reset after reboot.
     **Solution**: Use `alsa-base.conf` to save settings.

160. **Issue**: No updates via `apt` or `snap`.
     **Solution**: Check network or mirror settings.

161. **Issue**: No microphone detected.
     **Solution**: Check `pulseaudio` settings or reinstall drivers (`sudo apt-get install pulseaudio`).

162. **Issue**: Firewall blocking `docker` services.
     **Solution**: Allow `docker` through `UFW` (`sudo ufw allow 2375`).

163. **Issue**: Broken Ubuntu system updates.
     **Solution**: Use `sudo apt-get clean` and `sudo apt autoremove`.

164. **Issue**: Slow file transfers over network.
     **Solution**: Check `mtu` using `sudo ifconfig <interface> mtu 1500`.

165. **Issue**: No `netplan` configuration available.
     **Solution**: Use `netplan` to configure network settings.

166. **Issue**: No `htop` installed.
     **Solution**: Install `htop` (`sudo apt-get install htop`).

167. **Issue**: Screen blanking not working.
    **Solution**: Use `gnome-tweaks` or adjust power settings.

168. **Issue**: No Bluetooth audio devices.
    **Solution**: Ensure Bluetooth audio devices are detected.

169. **Issue**: Slow boot due to excessive logging.
    **Solution**: Disable unnecessary logs in `rsyslog` (`sudo systemctl stop rsyslog`).

170. **Issue**: File permissions not working.
    **Solution**: Use `chmod` to adjust file permissions (`chmod 755 file`).

171. **Issue**: No `snap` apps showing.
    **Solution**: Refresh `snap` (`snap refresh --all`).

172. **Issue**: No `usbip` module available.
    **Solution**: Install `usbip` (`sudo apt-get install usbip`).

173. **Issue**: No HDMI audio output.
    **Solution**: Ensure `pulseaudio` is installed and check `alsamixer`.

174. **Issue**: `sudo` not working for specific users.
    **Solution**: Add users to `sudoers` using `sudo visudo`.

175. **Issue**: Software Center not updating repositories.
    **Solution**: Clear cache (`sudo apt-get clean`) and update (`sudo apt-get update`).

176. **Issue**: No `ufw` firewall rules applied.
    **Solution**: Use `ufw enable` and set rules (`sudo ufw allow 22`).

177. **Issue**: Slow package updates.
    **Solution**: Use faster mirrors (`sudo apt-get install apt-fast`).

178. **Issue**: Unable to mount encrypted drives.
    **Solution**: Ensure proper password or encryption key.

179. **Issue**: No `gcc` or `make` installed.
    **Solution**: Install `build-essential` (`sudo apt-get install build-essential`).

180. **Issue**: Slow network speeds.
    **Solution**: Use `tcpdump` to analyze network traffic.

181. **Issue**: No virtual console (`Ctrl + Alt + F1`) access.
    **Solution**: Enable virtual consoles in `GRUB`.

182. **Issue**: `npm` commands not found.
    **Solution**: Install `npm` (`sudo apt-get install npm`).

183. **Issue**: No `htop` installed.
    **Solution**: Install `htop` (`sudo apt-get install htop`).

184. **Issue**: Missing kernel modules.
   **Solution**: Check with `lsmod` and install necessary modules (`sudo modprobe`).

185. **Issue**: No USB 3.0 ports detected.
   **Solution**: Install `usbutils` (`sudo apt-get install usbutils`).

186. **Issue**: Slow file system performance.
   **Solution**: Optimize with `xfsprogs` (`sudo apt-get install xfsprogs`).

187. **Issue**: No `/etc/fstab` entries.
   **Solution**: Use `blkid` to find disk UUIDs and add entries.

188. **Issue**: No `.NET` runtime installed.
   **Solution**: Install `dotnet-sdk` (`sudo apt-get install dotnet-sdk`).

189. **Issue**: No `htop` available.
   **Solution**: Install `htop` (`sudo apt-get install htop`).

190. **Issue**: No `docker-compose` installed.
   **Solution**: Install `docker-compose` (`sudo apt-get install docker-compose`).

191. **Issue**: Missing browser extensions.
   **Solution**: Install browser extensions via the browser's extension settings.

192. **Issue**: Missing power options.
   **Solution**: Check `power-settings` using `gnome-control-center`.

193. **Issue**: Slow Wi-Fi speed after update.
   **Solution**: Disable Wi-Fi power-saving (`sudo iwconfig wlan0 power off`).

194. **Issue**: No wireless driver available.
   **Solution**: Install `linux-firmware` (`sudo apt-get install linux-firmware`).

195. **Issue**: Missing `ufw` rules.
   **Solution**: Allow necessary ports using `ufw allow`.

196. **Issue**: No `tcpdump` installed.
   **Solution**: Install `tcpdump` (`sudo apt-get install tcpdump`).

197. **Issue**: `docker` service not starting.
   **Solution**: Enable Docker (`sudo systemctl enable docker`) and start Docker (`sudo systemctl start docker`).

198. **Issue**: Broken display driver.
   **Solution**: Install appropriate driver (`sudo apt-get install nvidia-driver-<version>`).

199. **Issue**: No browser extensions installed.
   **Solution**: Install extensions via browser settings or package manager.

200.**Issue**: No SSH key generated.
   **Solution**: Generate SSH key pair (`ssh-keygen -t rsa`).

- **Issue**: No swap space configured.
  **Solution**: Create a swap partition or file (`sudo fallocate -l 4G /swapfile`, `sudo mkswap /swapfile`, `sudo swapon /swapfile`).

- **Issue**: Audio stuttering.
  **Solution**: Check `pulseaudio` configuration (`pulseaudio --kill && pulseaudio --start`).

- **Issue**: `xrandr` not showing proper display resolutions.
  **Solution**: Install `xserver-xorg-video-intel` or `nvidia-driver`.

- **Issue**: Slow SSH connections.
  **Solution**: Optimize SSH server settings (`ClientAliveInterval 300` in `/etc/ssh/sshd_config`).

- **Issue**: Unable to install software updates.
  **Solution**: Use `sudo apt-get update && sudo apt-get upgrade`.

- **Issue**: System hangs at boot with `initramfs` error.
  **Solution**: Reinstall kernel or `initramfs-tools`.

- **Issue**: No icons showing in Unity.
  **Solution**: Install missing icon themes (`sudo apt-get install humanity-icon-theme`).

- **Issue**: Excessive CPU usage.
  **Solution**: Use `htop` to monitor processes and `systemd-analyze` for system bottlenecks.

- **Issue**: Screen tearing in VLC.
  **Solution**: Use `compton` (`sudo apt-get install compton`) to fix screen tearing.

- **Issue**: `bash` completion not working.
  **Solution**: Install `bash-completion` (`sudo apt-get install bash-completion`).

- **Issue**: No `git` command available.
  **Solution**: Install `git` (`sudo apt-get install git`).

- **Issue**: Slow apt updates.
  **Solution**: Use `apt-fast` (`sudo apt-get install apt-fast`).

- **Issue**: Slow boot due to systemd.
  **Solution**: Use `systemd-analyze` to identify bottlenecks.

- **Issue**: `sudo` not working for some commands.
  **Solution**: Add users to `sudoers` (`sudo visudo`).

- **Issue**: Bluetooth not working.
  **Solution**: Install Bluetooth tools (`sudo apt-get install bluetooth`).

- **Issue**: Missing `ntfs-3g`.
  **Solution**: Install `ntfs-3g` (`sudo apt-get install ntfs-3g`).

- **Issue**: No `cron` jobs executing.
  **Solution**: Enable `cron` service (`sudo systemctl enable cron` and `sudo systemctl start cron`).

- **Issue**: Printer not recognized.
  **Solution**: Install CUPS and printer drivers.

- **Issue**: No Python development headers.
  **Solution**: Install `python3-dev` (`sudo apt-get install python3-dev`).

- **Issue**: No GParted tool.
  **Solution**: Install `gparted` (`sudo apt-get install gparted`).

- **Issue**: No `zlib1g-dev`.
  **Solution**: Install `zlib1g-dev` (`sudo apt-get install zlib1g-dev`).

- **Issue**: Slow UI due to `gnome-shell`.
  **Solution**: Use `gnome-tweaks` to disable animations.

- **Issue**: Missing `mpd`.
  **Solution**: Install `mpd` (`sudo apt-get install mpd`).

- **Issue**: No `redis-server`.
  **Solution**: Install `redis-server` (`sudo apt-get install redis-server`).

- **Issue**: Slow `apt` install speeds.
  **Solution**: Use `apt-fast` (`sudo apt-get install apt-fast`).

- **Issue**: No Python virtual environment.
  **Solution**: Install `virtualenv` (`sudo apt-get install virtualenv`).

- **Issue**: Slow file transfers.
  **Solution**: Optimize `rsync` options (`rsync -av --progress`).

- **Issue**: Broken symbolic links.
  **Solution**: Use `find / -type l -exec rm -f {} \;` to remove broken symlinks.

- **Issue**: Missing `chrony`.
  **Solution**: Install `chrony` (`sudo apt-get install chrony`).

- **Issue**: Docker services not starting.
  **Solution**: Restart Docker (`sudo systemctl restart docker`).

- **Issue**: Slow apt-get update.
  **Solution**: Use `apt-fast` or faster mirror (`http://archive.ubuntu.com/`).

- **Issue**: Missing `nginx`.
  **Solution**: Install `nginx` (`sudo apt-get install nginx`).

- **Issue**: Slow UI animations.
  **Solution**: Disable GNOME animations (`gnome-tweaks`).

- **Issue**: Broken file permissions.
  **Solution**: Use `chmod` (`chmod 755` or `chmod 644`).

- **Issue**: Slow apt-get install speeds.
  **Solution**: Use `apt-fast` or `netplan` for faster mirrors.

- **Issue**: No `openjdk` installed.
  **Solution**: Install `openjdk` (`sudo apt-get install openjdk-11-jdk`).

- **Issue**: Slow startup due to `plymouth`.
  **Solution**: Disable Plymouth splash (`sudo update-grub`).

- **Issue**: Broken USB 3.0 ports.
  **Solution**: Add `usbcore.autosuspend=0` in GRUB.

- **Issue**: No `htop` available.
  **Solution**: Install `htop` (`sudo apt-get install htop`).

- **Issue**: `git` not recognized.
  **Solution**: Add `git` to PATH.

- **Issue**: Slow `systemctl` commands.
  **Solution**: Use `systemd-analyze` to identify slow services.

- **Issue**: `libpng` not installed.
  **Solution**: Install `libpng` (`sudo apt-get install libpng-dev`).

- **Issue**: Missing `wget`.
  **Solution**: Install `wget` (`sudo apt-get install wget`).

- **Issue**: `apt-get upgrade` failing.
  **Solution**: Check `/var/log/apt/history.log`.

- **Issue**: No `httrack`.
  **Solution**: Install `httrack` (`sudo apt-get install httrack`).

- **Issue**: Excessive disk usage from logs.
  **Solution**: Use `journalctl --disk-usage`.

- **Issue**: Missing `gcc`.
  **Solution**: Install `gcc` (`sudo apt-get install build-essential`).

- **Issue**: Broken network configuration.
  **Solution**: Check `netplan` configuration files.

- **Issue**: `htpasswd` missing.
  **Solution**: Install `apache2-utils` (`sudo apt-get install apache2-utils`).

- **Issue**: No `glibc` installed.
  **Solution**: Install `glibc` (`sudo apt-get install libc6`).

- **Issue**: Slow web browsing.
  **Solution**: Install `unclutter` (`sudo apt-get install unclutter`).

- **Issue**: Broken system services.
  **Solution**: Use `systemctl` to check services.

- **Issue**: Broken `xorg` config.
  **Solution**: Use `Xorg -configure`.

- **Issue**: Missing `openvpn`.
  **Solution**: Install `openvpn` (`sudo apt-get install openvpn`).

- **Issue**: Slow UI performance.
  **Solution**: Disable GNOME background effects (`gnome-tweaks`).

- **Issue**: No `virtualbox`.
  **Solution**: Install `virtualbox` (`sudo apt-get install virtualbox`).

- **Issue**: Excessive memory usage.
  **Solution**: Monitor memory usage with `htop` and `vmstat`.

- **Issue**: No `sqlite3` command.
  **Solution**: Install `sqlite3` (`sudo apt-get install sqlite3`).

- **Issue**: Slow login screen.
  **Solution**: Use `lightdm` or `gdm3`.

- **Issue**: Broken system performance.
  **Solution**: Use `systemd-analyze` to detect bottlenecks.

- **Issue**: Missing `ffmpeg`.
  **Solution**: Install `ffmpeg` (`sudo apt-get install ffmpeg`).

- **Issue**: Slow disk I/O.
  **Solution**: Use `iostat` to check disk performance.

- **Issue**: No `rclone` command.
  **Solution**: Install `rclone` (`sudo apt-get install rclone`).

- **Issue**: Missing `apache2`.
  **Solution**: Install `apache2` (`sudo apt-get install apache2`).

- **Issue**: No `tmux` installed.
  **Solution**: Install `tmux` (`sudo apt-get install tmux`).

- **Issue**: Broken network interface.
  **Solution**: Use `ip a` to check network interfaces.

- **Issue**: No `nodejs` available.
  **Solution**: Install `nodejs` (`sudo apt-get install nodejs`).

- **Issue**: Missing `nano` editor.
  **Solution**: Install `nano` (`sudo apt-get install nano`).

- **Issue**: Excessive CPU usage by `htop`.
  **Solution**: Use `htop` to identify resource-heavy processes.

- **Issue**: Broken `apt-get install`.
  **Solution**: Use `apt-get -f install` to fix broken packages.

- **Issue**: Missing `p7zip`.
  **Solution**: Install `p7zip` (`sudo apt-get install p7zip-full`).

- **Issue**: No `bind9` installed.
  **Solution**: Install `bind9` (`sudo apt-get install bind9`).

- **Issue**: Slow Bluetooth transfer.
  **Solution**: Install `bluez` tools (`sudo apt-get install bluez`).

- **Issue**: No `ip` command.
  **Solution**: Install `iputils` (`sudo apt-get install iputils-ping`).

- **Issue**: No `tar` command.
  **Solution**: Install `tar` (`sudo apt-get install tar`).

- **Issue**: Missing `htdig`.
  **Solution**: Install `htdig` (`sudo apt-get install htdig`).

- **Issue**: Slow printer installation.
  **Solution**: Install CUPS (`sudo apt-get install cups`).

- **Issue**: Broken GNOME Shell.
  **Solution**: Rebuild GNOME Shell configuration.

- **Issue**: No `bc` command.
  **Solution**: Install `bc` (`sudo apt-get install bc`).

- **Issue**: No `libreoffice`.
  **Solution**: Install `libreoffice` (`sudo apt-get install libreoffice`).

- **Issue**: Slow VPN connections.
  **Solution**: Optimize VPN configurations.

- **Issue**: Missing `rtorrent`.
  **Solution**: Install `rtorrent` (`sudo apt-get install rtorrent`).

- **Issue**: Missing `unzip`.
  **Solution**: Install `unzip` (`sudo apt-get install unzip`).

- **Issue**: Broken `tmux` session.
  **Solution**: Detach and resume with `tmux attach -d` or `tmux attach-session -t 0`.

- **Issue**: Slow Samba performance.
  **Solution**: Optimize Samba configuration (`smb.conf`).

- **Issue**: No `bash` completion.
  **Solution**: Install `bash-completion` (`sudo apt-get install bash-completion`).

- **Issue**: No `curl` command.
  **Solution**: Install `curl` (`sudo apt-get install curl`).

- **Issue**: No `grep` command.
  **Solution**: Install `grep` (`sudo apt-get install grep`).

- **Issue**: Slow login screen.
  **Solution**: Set appropriate `lightdm` or `gdm3` settings.

- **Issue**: Missing `nginx`.
  **Solution**: Install `nginx` (`sudo apt-get install nginx`).

- **Issue**: Broken cron jobs.
  **Solution**: Use `cron` logs (`/var/log/syslog` or `/var/log/cron.log`).

- **Issue**: Missing `perl` command.
  **Solution**: Install `perl` (`sudo apt-get install perl`).

- **Issue**: No `sqlite3` command.
  **Solution**: Install `sqlite3` (`sudo apt-get install sqlite3`).

- **Issue**: Broken `apache2` configuration.
  **Solution**: Use `apache2ctl configtest`.

- **Issue**: No `x11-utils` available.
  **Solution**: Install `x11-utils` (`sudo apt-get install x11-utils`).

- **Issue**: No `wine` available.
  **Solution**: Install `wine` (`sudo apt-get install wine`).

- **Issue**: Slow `nano` performance.
  **Solution**: Increase `file-nano` buffer size (`nano ~/.nanorc`).

- **Issue**: Missing `unrar` tool.
  **Solution**: Install `unrar` (`sudo apt-get install unrar`).

- **Issue**: Slow `scp` transfers.
  **Solution**: Use `rsync` (`rsync -avz` for faster transfers).

- **Issue**: No `strace` available.
  **Solution**: Install `strace` (`sudo apt-get install strace`).