Powertop

- Set Tunables On Startup

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Problem: The `powertop --auto-tune` tool aggressively suspends USB ports after system startup, causing the mouse and keyboard to freeze or disconnect. **Solution:** Modifying the Powertop systemd service – after performing the auto-tune, specific USB ports are forced to stay permanently on.

> ⚠ **Note:** This solution is tied to specific physical USB ports. If you plug the mouse or keyboard into a different USB port, you must update the paths in the configuration.

Steps

1. Opening the service configuration

Run the command in the terminal to edit the Powertop systemd configuration:

```
sudo systemctl edit --full powertop.service
```

2. Modifying the configuration file

In the open editor, find the [Service] section and add the following two ExecStartPost lines below the line starting with ExecStart=:

```
[Service]
# Original line (leave as is):
ExecStart=/usr/bin/powertop --auto-tune

# Added lines to force power on:
ExecStartPost=/bin/sh -c "echo 'on' > '/sys/bus/usb/devices/5-2.3/power/control'"
ExecStartPost=/bin/sh -c "echo 'on' > '/sys/bus/usb/devices/5-2.2/power/control'"
```

```
sudo systemctl restart powertop.service
```