shutdown

reduce reboot/shutdown timeout

```
systemctl edit reboot.target
systemctl edit soft-reboot.target
systemctl edit ctrl-alt-del.target
systemctl edit poweroff.target
```

and change

```
[Unit]
JobTimeoutSec=30min
```

or use unit override files.

run service at shutdown

run service very late

Drawbacks: If service is scheduled before shutdown.target it is started too late for some complex operation. Almost all services are stopped, tmpfs are unmounted and filesystems are remounted RO.

```
[Unit]
Description=Disable power output
DefaultDependencies=no
After=enable-power.service another-enable-power.service
Conflicts=enable-power.service another-enable-power.service
Before=shutdown.target reboot.target halt.target kexec.target

[Service]
Type=oneshot
RemainAfterExit=yes
ExecStart=/bin/power_control disable

[Install]
WantedBy=shutdown.target
WantedBy=reboot.target
WantedBy=halt.target
WantedBy=kexec.target
```

run service in reverse order

Trick is to provide service without `ExecStart=` action only to provide correct ordering for

`ExecStop=` action.

From `systemd.unit` doc:

> When two units with an ordering dependency between them are shut down,
> the inverse of the start-up order is applied
> Most importantly, for service units start-up is considered completed for
> the purpose of Before=/After= when all its configured start-up commands
> have been invoked and they either failed or reported start-up success

```ini
[Unit]
Description=Disable power output
DefaultDependencies=no

# Shedule it BEFORE to run ExecStop AFTER during shutdown
Before=enable-power.service

# Want to run ExecStop after eley-device is stopped
Before=another-enable-power.service

Before=basic.target
After=sysinit.target local-fs.target

Before=shutdown.target reboot.target halt.target kexec.target
Conflicts=shutdown.target reboot.target halt.target kexec.target


[Service]
Type=oneshot
RemainAfterExit=yes
ExecStop=/bin/power_control disable
ExecStop=/bin/true


[Install]
WantedBy=basic.target
```

From:
https://niziak.spox.org/wiki/ - **niziak.spox.org**

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