

launch _code

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systemd



Purpose

Responsible for initializing and managing daemons and services



Interacting with systemd

Users interact with systemd by using the systemctl package and defining unit files

systemctl provides the end user access to information and control overall services, daemons, and unit files



Unit Files

Unit files are used to complete a default or custom service

Each systems unit files are stored in the `/lib/systemd/system` directory

If you ever wish to modify the way any given unit functions you would edit the unit file inside of `/etc/systemd/system`



Unit Files Continued

A common use for modifying a unit file would be to start or stop a service at a desired machine state (power on, power off, user login, user logout)

One major upside to this is that if your server were to ever fail, your Unit file will restart the service on reboot



Example Unit File

[Unit]

Description=nginx - high performance web server

Documentation=https://nginx.org/en/docs

After=network-online.target remote-fs.target nss-lookup.target

Wants=network-online.target

[Service]

Type=forking

PIDFile=/var/run/nginx.pid

ExecStart=/usr/sbin/nginx -c /etc/nginx/nginx.conf

ExecReload=/bin/sh -c "/bin/kill -s HUP \$(/bin/cat /var/run/nginx.pid)"

ExecStop=/bin/sh -c "/bin/kill -s TERM \$(/bin/cat /var/run/nginx.pid)"

[Install]

WantedBy=multi-user.target





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