Services

# Upstart

Upstart is an event-based linux program which handles starting of tasks and services during boot, stopping them during shutdown and supervising them while the system is running.

start on filesystem

respawn

script

cd /home/cwoodadmin/home-server/

rails s

end script

# Systemd

systemd is the main service manager for linux systems, allowing for programs to be run on load and restarted if closed. To create a service move to /usr/lib/systemd/system and create a service file such as the one below:

// my-service.service

[Unit]

Description=my-service

After=network.target

[Service]

Type=simple

User=admin

Group=admin

WorkingDirectory=/home/admin/project

ExecStart=/user/bin/zsh -lc ‘<some command>’

TimeoutSec=30

RestartSec=15s

Restart=always

[Install]

WantedBy=multi-user.target

The service can then be enabled using:

systemctl enable my-service.service

systemctl start my-service.service

List enabled services using:

systemctl list-unit-files | grep enabled

systemctl | grep running

Creating Rails system.d Service

Make sure you are a sudoer

Clone rails app and setup, then navigate to the root directory and create bin stubs for the puma application server using:

bundle binstubs puma --path ./sbin

Add following simple service to new file: /etc/systemd/system/puma.service

[Unit]

Description=Puma Application Server

After=network.target

[Service]

Type=simple

User=<non-root-user>

WorkingDirectory=<application-path>

ExecStart=<rvm-wrapper-path>/pumactl -F <application-path>/config/puma.rb start

ExecStop=<rvm-wrapper-path>/pumactl -S <application-path>/shared/pids/puma.pid stop

PIDFile=<application-path>/shared/pids/puma.pid

RestartSec=15s

Restart=always

[Install]

WantedBy=multi-user.target

Start the service using:

sudo systemctl daemon-reload

sudo systemctl enable puma.service

sudo systemctl start puma.service

sudo systemctl status puma.service