Runit

Runit is an init system, which can be used as a replacement to systemd.

Installation

Runit comes by the package name `runit`. On arch like system it can be installed like so:

```
sudo pacman -Syu runit
```

Runit services

Runit service package are named *package_name*-runit, and when installed will be available in `/etc/runit/sv`.

Programs

- `sv` used to control services, getting status of service, and dependency checking.
- `chpst` control of process environment, including memory caps, limits on core, data segments, environments, user/group privileges, and more.
- `runsv` supervises a process, and optionally a log service for that process
- `runit-init` PID 1, dose almost nothing besides being the init.

Files

These are some of the files installed by `runit`.

- `/etc/runit/1`: stage 1, system's one-time initialization tasks.
- `/etc/runit/2`: stage2, system's shutdown tasks.
- `/etc/runit/3`: stage3, system's shutdown tasks.
- `/etc/runit/ctrlaltdel`: Runit will execute this when receving a SIGINT signal
- `/etc/runit/runsvdir/*`: Runlevels
- `/etc/runit/sv/*`: Directory containing subdirectories of available service files
- `/etc/runit/service/*`: always symlinked to active runlevel, sv will search for running service here.

Basic Usage

- **Enable service**: `ln -s /etc/runit/sv/service_name /run/runit/service`
- **Disable service**: `unlink /run/runit/service/service_name`
- **Stop immediately**: `sv down service_name` or `sv stop service_name`
- **Start**: `sv up service_name` or `sv restart service_name`
- **Restart**: `sv restart service_name`
- **Reload**: `sv restart service_name`

- **Status check**: `sv status service_name`