

daemon

systemd

Python daemon and systemd service

When using systemd, it is no need to implement daemon in main process. Systemd simply works with foreground services (default service type=simple. See [Type=](#)).

Hints:

- To force systemd to wait for full process startup, use [sd_notify\(3\)](#) and set unit type=notify
- Notify also ensure that ExecStartPost will be executed after notify received.
- To prevent output buffering and correct journal logging set PYTHONUNBUFFERED=1 environment or flush stdout more often `sys.stdout.flush()`

Example:

```
import systemd.daemon

# long startup
# ...
# long startup done
systemd.daemon.notify('READY=1')

# start servicing
```

```
[Service]
Type=notify
ExecStart=/usr/bin/my_service
ExecStartPost=/usr/bin/my_service_client
Environment=PYTHONUNBUFFERED=1
```

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