

# Creating a systemd Service for Gunicorn

To run Gunicorn as a background service managed by systemd, you can create a service file. This ensures Gunicorn starts automatically on boot and can be controlled using systemctl.

### 1. Create a systemd service file

Open a new service file in /etc/systemd/system/:

```
sudo nano /etc/systemd/system/gunicorn.service
```

### 2. Example Gunicorn service file

[Unit]

Description=Gunicorn instance to serve Flask/Django app

After=network.target

[Service]

User=root

Group=www-data

WorkingDirectory=/home/unigo\_website

Environment="PATH=/home/unigo\_website/venv/bin"

ExecStart=/home/unigo\_website/venv/bin/gunicorn -w 4 -b 0.0.0.0:5050 app:app

[Install]

WantedBy=multi-user.target

### 3. Reload systemd to recognize the new service

```
sudo systemctl daemon-reexec
```

```
sudo systemctl daemon-reload
```

### 4. Start the Gunicorn service

```
sudo systemctl start gunicorn
```

### 5. Enable the service to start on boot

```
sudo systemctl enable gunicorn
```

### 6. Check service status

```
sudo systemctl status gunicorn
```

### 7. Stop/Restart the service if needed

```
sudo systemctl stop gunicorn
```

```
sudo systemctl restart gunicorn
```

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Now your Gunicorn server is properly managed by systemd and will start automatically after server reboot.