Manage my Django with Supervisord on Linux

1) **Install Supervisor:** Install using package manager like apt for Ubuntu or yum for CentOS.

```
# For Ubuntu/Debian

sudo apt-get install supervisor
```

2) To Configure our supervisor, we will have to create few configuration files and set them up.

```
# open editer
sudo nano /etc/supervisor/conf.d/myproject.conf

# copy paste the command and modify your project location
[program:myproject]
command=/path/to/your/venv/bin/gunicorn myproject.wsgi:application -
workers 3 - bind 0.0.0.0:8000
directory=/path/to/your/django/project
autostart=true
autorestart=true
stderr_logfile=/var/log/myproject.err.log
stdout_logfile=/var/log/myproject.out.log

# directory: Specifies the working directory of your Django project.
# autostart and autorestart: Ensure that Supervisor starts and restarts
the process automatically.
# stderr_logfile and stdout_logfile: Log files for standard error and
standard output.
```

```
#example of your django project
sudo nano /etc/supervisor/conf.d/hr360s.conf

[program:hr360s]
command=/var/www/api-hr360s/myprojectenv/bin/gunicorn hr360s.wsgi:application -
workers 3 - bind 0.0.0.0:8000
directory=/var/www/api-hr360s
autostart=true
autorestart=true
stderr_logfile=/var/log/hr360s.err.log
stdout_logfile=/var/log/hr360s.out.log
```

3) *Make sure, you update your path for project and log files*

Okay, now we need to tell supervisor that we made some changes and ask it to reread the configurations and start its job

```
sudo supervisorctl reread
```

```
sudo supervisorctl update
```

Supervisor automatically monitors the Gunicorn workers and restarts them if they crash or stop responding.

You can also manually restart the process.

```
sudo supervisorctl restart myproject
```

That's all buddy, we are good now our Linux cloud server will be running django for ever with gunicorn untill we stop the service.

Since you've made changes to the `serializers.py` file in your Python project, you'll need to restart the Gunicorn process managed by Supervisor to apply those changes. Here's what you should do:

Restart the Gunicorn Process via Supervisor:

Run the following command to restart the specific process:

bash

```
sudo supervisorctl restart hr360s
```

sudo supervisorctl restart hr360s

This command tells Supervisor to stop and then start the Gunicorn process, which will load the new code changes from your `serializers.py` file.