

19. Customized service management

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1. Create a new service file
2. Update service
3. Management services

This course takes the newly created OLED startup service as an example for reference only to the service management process.

The Yahboom Muto image has been set up to start the oled service automatically at boot.

1. Create a new service file

Create a new yahboom_oled.service in the user directory

```
touch yahboom_oled.service
vim yahboom_oled.service
```

Add the following content, where User represents the user name and needs to be modified according to the actual user name;

ExecStart represents the command to be executed and the command needs to be executed according to the actual modification.

Jetson nano system service files:

```
[Unit]
Description=yahboom_oled start service
After=multi-user.target

[Service]
Type=idle
User=jetson
ExecStart=/bin/sh -c "python3 /home/jetson/software/oled_yahboom/yahboom_oled.py"
WorkingDirectory=/home/jetson

[Install]
WantedBy=multi-user.target
```

Raspberry Pi system service file:

```
[Unit]
Description=yahboom_oled start service
After=multi-user.target

[Service]
Type=idle
User=pi
ExecStart=/bin/sh -c "python3 /home/pi/software/oled_yahboom/yahboom_oled.py"
WorkingDirectory=/home/pi

[Install]
WantedBy=multi-user.target
```

Then exit editing and enter: `qw` to save the file.

2. Update service

Copy the newly created `yahboom_oled.service` service file to the `/etc/systemd/system/` path.

```
sudo cp yahboom_oled.service /etc/systemd/system/
```

Update system services

```
sudo systemctl daemon-reload
```

3. Management services

Check service status

```
sudo systemctl status yahboom_oled.service
```

Start service

```
sudo systemctl start yahboom_oled.service
```

Restart service

```
sudo systemctl restart yahboom_oled.service
```

Set the service to automatically start at boot

```
sudo systemctl enable yahboom_oled.service
```

Close service

```
sudo systemctl stop yahboom_oled.service
```

Service does not start when booting

```
sudo systemctl disable yahboom_oled.service
```