Raspberry Pi Remote Management via Tailscale

0. Connect via Tailnet (from your computer)

1. Ensure **Tailscale** is running on both devices:
2. **PC / Laptop:** (e.g., `TUF-A15-Miguel`)
3. **Raspberry Pi:** (e.g., `raspberrypi`)
4. Verify connectivity:

```
tailscale status
```

Expected output:

```
100.91.230.15    raspberrypi     linux
100.79.190.97    tuf-a15-miguel  windows
```
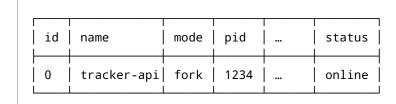
5. Ping the Pi to confirm connection:

```
ping 100.91.230.15
```

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1. Check Server Status

On the Pi:

```
pm2 status
```

Expected:

```
┌────┬─────────────┬──────┬──────┬─────┬─────────┐
│ id │ name        │ mode │ pid  │ …   │ status  │
├────┼─────────────┼──────┼──────┼─────┼─────────┤
│ 0  │ tracker-api │ fork │ 1234 │ …   │ online  │
└────┴─────────────┴──────┴──────┴─────┴─────────┘
```

If it's **online**, your API is live at `http://100.91.230.15:3000`

1.2. Check Logs Locally

View your custom log file:

```
tail -f ~/projects/trackerEXE/server.log
```

View PM2 process logs:

```
pm2 logs tracker-api -f
```

1.3. Restart Server After Update

After code updates or changes:

```
cd ~/projects/trackerEXE
git pull
pm2 restart tracker-api
pm2 save
```

If port 3000 is already in use:

```
sudo lsof -i :3000
sudo kill -9 <PID>
pm2 restart tracker-api
```

2. Check Logs via Another Network

a. Test API Reachability

From your PC:

```
curl.exe http://100.91.230.15:3000/api/orders
```

b. SSH into the Pi

```
ssh miguelrios@100.91.230.15
```

Once connected:

```
tail -f ~/projects/trackerEXE/server.log
```

c. Download Logs to Your PC

```
scp miguelrios@100.91.230.15:/home/miguelrios/projects/trackerEXE/
server.log .
```

Quick Reference Commands

Action	Command
Check server status	`pm2 status`
Start server	`pm2 start server.mjs --name tracker-api`
Restart server	`pm2 restart tracker-api`
Tail live logs	`tail -f ~/projects/trackerEXE/server.log`
View PM2 logs	`pm2 logs tracker-api -f`
Save PM2 process list	`pm2 save`
Enable auto-start on boot	`pm2 startup systemd -u miguelrios --hp /home/miguelrios`
Pull latest code	`git pull`

Optional: HTTPS via Tailscale

```
sudo tailscale serve https 3000
```

Then access your server via:

```
https://raspberrypi.tailnet-<yourname>.ts.net
```

Summary:
- Connect via Tailscale → check connection with `tailscale status`
- Use PM2 to manage your Node server
- View logs with `tail` or `pm2 logs`
- Restart safely with `pm2 restart tracker-api`
- Access remotely through your Tailnet IP `100.91.230.15` or Tailscale HTTPS domain.