

PiKVM

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[pi4]

Used to fix kvmd-otg and kvmd-tc358743 not starting at boot

```
dtoverlay=tc358743  
dtoverlay=disable-bt  
dtoverlay=dwc2,dr_mode=peripheral
```

Tailscale Auto Cert Update Service

These systemd services allow me to update the Tailscale certificates for PiKVM every 80 days without manual intervention.

cert-update.timer

```
[Unit]
Description=Update tailscale certificates for nginx

[Timer]
OnBootSec=1min
OnUnitActiveSec=80d
AccuracySec=1h
Persistent=true

[Install]
WantedBy=timers.target
```

tailscale-cert-update.service

```
[Unit]
Description=Update tailscale certificates for nginx
After=network-online.target tailscaled.service

[Service]
Type=oneshot

# Service isolation
ProtectHome=true
ReadWritePaths=/etc/kvmd/nginx/ssl
PrivateNetwork=false
ProtectClock=true
ProtectHostname=true
```

```
ProtectKernelTunables=true
ProtectKernelModules=true
ProtectControlGroups=true
LockPersonality=true

# Execution steps
ExecStartPre=/usr/bin/curl --silent --max-time 10 --retry 5 https://hc.its-et.me/ping/PlGPBqq-0rLI4N4ya3jYmg/pve-01k-certificate-update/start
ExecStartPre=/usr/bin/rw
ExecStart=tailscale cert --cert-file=/etc/kvmd/nginx/ssl/server.crt --key-file=/etc/kvmd/nginx/ssl/server.key pve-01k.tail755c5.ts.net
ExecStartPost=/usr/bin/curl --silent --max-time 10 --retry 5 https://hc.its-et.me/ping/PlGPBqq-0rLI4N4ya3jYmg/pve-01k-certificate-update
ExecStartPost=/usr/bin/systemctl restart kvmd-nginx.service
ExecStartPost=/usr/bin/ro

[Install]
WantedBy=default.target
```

Don't use `PrivateDevices=` in `[Service]`, this disallows `/usr/bin/ro` and `/usr/bin/rw` from executing properly