

PiKVM Tailscale Certificate 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

Revision #3

Created 5 September 2024 09:51:37 by etorres

Updated 5 November 2024 15:58:58 by etorres