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## Proxmox LXC Intel Quick Sync Transcode for Plex

🕒 February 23, 2021 📁 Docker (<https://herold.space/category/docker/>),  
Proxmox (<https://herold.space/category/proxmox/>), Sysadmin  
(<https://herold.space/category/sysadmin/>) ≡ Standard

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Plex, Emby and Jellyfin can transcode media files on the fly so you can watch them in a browser and set the quality.

However by default they use the CPU which adds a lot of overhead.

All Intel CPU's since Sandy Bridge released in 2011 have hardware acceleration for H.264 built in.

So if your CPU supports Quick Sync you can speed up transcoding and reduce load as well as energy consumption.

Proxmox by default does not give LXC containers access to the GPU.

Add the following to your LXC configuration in order to allow it.

Note: This only works with privileged containers.

```
nano /etc/pve/lxc/<container id>.conf
```

For Proxmox <= 6.4



```
lxc.cgroup.devices.allow: c 226:0 rwm
lxc.cgroup.devices.allow: c 226:128 rwm
lxc.cgroup.devices.allow: c 29:0 rwm
lxc.mount.entry: /dev/dri dev/dri none bind,optional,create=dir
lxc.mount.entry: /dev/fb0 dev/fb0 none bind,optional,create=file
```

For Proxmox >= 7.0

```
lxc.cgroup2.devices.allow: c 226:0 rwm
lxc.cgroup2.devices.allow: c 226:128 rwm
lxc.cgroup2.devices.allow: c 29:0 rwm
lxc.mount.entry: /dev/dri dev/dri none bind,optional,create=dir
lxc.mount.entry: /dev/fb0 dev/fb0 none bind,optional,create=file
```

If you use Docker within LXC recreate your Plex container with the following argument

```
--device /dev/dri:/dev/dri
```

Plex will now have access to Quick Sync using /dev/dri/renderD128

Just enable "Use hardware acceleration" in transcoder settings.

## Comments



**Steve**

December 21, 2022 at 17:23 (<https://herold.space/proxmox-lxc-intel-quick-sync-for-plex/#comment-521>) - Reply

Both configs for Proxmox = 7.0 are the same?





**Constantin** (<https://herold.space>)

May 23, 2023 at 22:29 (<https://herold.space/proxmox-lxc-intel-quick-sync-for-plex/#comment-702>) - Reply

It's not the same, Proxmox 7.0 uses cgroup2.



**Heinrich**

September 17, 2023 at 13:16 (<https://herold.space/proxmox-lxc-intel-quick-sync-for-plex/#comment-724>) - Reply

Hi does this Work in Proxmox 8 too?



**Constantin** (<https://herold.space>)

October 5, 2023 at 23:09 (<https://herold.space/proxmox-lxc-intel-quick-sync-for-plex/#comment-727>) - Reply

Should work please try and give feedback.

Mine still works with upgrade but I never tried a fresh install of Proxmox 8.



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