

Guide: OpenVPN on Linux (i.MX8) for Securing Encoder Streams

1. Overview

This guide describes running OpenVPN on a Linux-based i.MX8 platform to secure encoder streams.

2. Linux Architecture

Encoder → UDP/TCP → OpenVPN → tun0 → Linux routing → eth0/wlan0

3. Requirements

- Linux (Yocto, Buildroot, Debian) - OpenVPN - /dev/net/tun enabled

4. Setup

```
apt install openvpn
ls /dev/net/tun
openvpn --config /etc/openvpn/client.conf
```

5. Routing

Use Linux routing tables to direct encoder traffic via tun0.

6. Summary

OpenVPN runs as a Linux service, encrypting encoder traffic before transmission.