

Network Binder

Bind multiple internet connection endpoints into single one using the Multipath TCP (mptcp).

A **production-ready MPTCP router** with:

- ✓ Automatic multi-WAN detection
- ✓ Secure Docker integration
- ✓ Optimized traffic bonding
- ✓ Real-time monitoring
- ✓ Self-healing firewall

Project status

Currently **UNDER THE DEVELOPMENT**.

Development environment

- Ubuntu Server 24.04.2 LTS

Project structure

```
# /mptcp-router/  
# └─ docker-compose.yml  
# └─ config/  
#     └─ netplan/ (auto-generated)  
#     └─ firewall/  
#         └─ rules.v4  
#     └─ mptcp/  
#         └─ mptcp.conf  
# └─ scripts/  
#     └─ auto-detector.sh  
#     └─ firewall-setup.sh  
# └─ README.md
```

TODOs

- `LAN_INTERFACE=eth3` # Your LAN-facing NIC to be fully dynamic

How to use

- Export MAC address of your Gateway LAN ethernet:

```
export LAN_GATE_MAC="MAC_ADDRESS"
```

- Execute installation script: `sh Install.sh`

