

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
- Restart survival