

# Speedup Settings for 10 GbE

## Introduction

macOS is notorious for asymmetric SMB performance to Unraid/Samba, especially reads, without client and server tuning. Typical culprits:

- SMB signing and encryption enabled by default on macOS, adding CPU and latency overhead to reads.
- Apple SMB extensions (AAPL / fruit) and Finder metadata lookups, which can severely hurt directory reads and some sequential patterns.
- macOS SMB client defaults in `/etc/nsmb.conf` not optimized for high-bandwidth, wired 10 GbE connections.

## Quick fix

On macOS 15.6.1 (run with `sudo`), create or edit `/etc/nsmb.conf` :

```
[default]
signing_required=no
mc_on=yes
mc_prefer_wired=yes
protocol_vers_map=6
smb_neg=smb3_only
dir_cache_off=yes
```

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