Optimalisasi Server

- Konfigurasi MPM Event Apache
- Konfigurasi Apache MPM Prefork + PHP (mod_php)

Konfigurasi MPM Event Apache

Setup Apache ke **MPM Event + PHP-FPM**

1 Cek MPM Apache yang aktif

apachectl -V | grep -i mpm

- `mpm_prefork` → harus diganti
- `mpm_event` → sudah benar

2 Nonaktifkan MPM Prefork dan PHP 8.1

sudo a2dismod mpm_prefork

sudo a2dismod php8.1

3 Aktifkan MPM Event

sudo a2enmod mpm_event

4 Aktifkan Integrasi Apache ↔ PHP-FPM

sudo a2enmod proxy_fcgi setenvif
sudo a2enconf php8.1-fpm

5 Restart Apache & PHP-FPM

sudo systemctl restart php8.1-fpm
sudo systemctl restart apache2

6 Pastikan MPM Event Aktif

apachectl -V | grep -i mpm

Output harus:
Server MPM: event

7 Optimasi untuk Server Ram Besar

sudo nano /etc/apache2/mods-available/mpm_event.conf

```
<IfModule mpm_event_module>
    StartServers             2
    MinSpareThreads         25
    MaxSpareThreads         75
    ThreadLimit             64
    ThreadsPerChild         25
    MaxRequestWorkers      400
    MaxConnectionsPerChild 5000
</IfModule>
```

sudo systemctl restart apache2

Konfigurasi Apache MPM Prefork + PHP (mod_php)

1⃣ Nonaktifkan PHP-FPM

sudo systemctl stop php8.1-fpm
sudo systemctl disable php8.1-fpm

Nonaktifkan konfigurasi Apache FPM:

sudo a2disconf php8.1-fpm
sudo a2dismod proxy_fcgi

2⃣ Aktifkan MPM Prefork

Matikan MPM Event:
sudo a2dismod mpm_event

Aktifkan Prefork:
sudo a2enmod mpm_prefork

3⃣ Pastikan **mod_php sesuai versi PHP** terpasang:

sudo apt install libapache2-mod-php8.1

sudo a2enmod php8.1

4⃣ Restart Apache Prefork

sudo systemctl restart php81.-fpm

sudo systemctl restart apache2

5⃣ Cek MPM:

apachectl -V | grep -i mpm

Harus muncul:
Server MPM: prefork

6 Optimasi Prefork

sudo nano /etc/apache2/mods-available/mpm_prefork.conf

```
<IfModule mpm_prefork_module>
    StartServers           5
    MinSpareServers        5
    MaxSpareServers       10
    MaxRequestWorkers    150
    MaxConnectionsPerChild 3000
</IfModule>
```

sudo systemctl restart apache2