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Nextcloud

NGINX

```
php-fpm
sudo systemctl enable php7.3-fpm
sudo apt install php7.3-sqlite php7.3-xml php7.3-zip php7.3-mbstring php7.3-gd php7.3-curl php7.3-intl php7.3-imagick
```

```
sudo -u www-data php occ files:scan user
```

```
sudo -u www-data php occ preview:generate-all -vvv
```

```
sudo -u www-data php occ config:app:set previewgenerator squareSizes --value="32 256"
```

```
sudo -u www-data php occ config:app:set previewgenerator widthSizes --value="256 384"
```

```
sudo -u www-data php occ config:app:set previewgenerator heightSizes --value="256"
```

```
sudo -u www-data php occ config:system:set preview_max_x --value 3840
```

```
sudo -u www-data php occ config:system:set preview_max_y --value 2160
```

```
sudo -u www-data php occ config:system:set jpeg_quality --value 92
```

```
sudo -u www-data php occ config:app:set preview jpeg_quality --value="92"
```

NGINX Config

accept_mutex off or/and reuseport!

```
server {
    listen 443 ssl default_server http2 reuseport;
    ssl_certificate      cert.pem;
    ssl_certificate_key  cert.key;
    ssl_session_timeout 180m;
    ssl_session_cache shared:SSL:20M;
    ssl_protocols TLSv1.2;
    ssl_prefer_server_ciphers on;
    ssl_ciphers !aNULL:ECDHE-ECDSA-CHACHA20-POLY1305:ECDHE-RSA-CHACHA20-POLY1305:ECDHE-RSA-AES128-GCM-SHA256:ECDH+AES128+SHA;
    ssl_buffer_size 1369;

    root /mnt/sda/html;

    server_name _;

    add_header X-Content-Type-Options nosniff;
    add_header X-XSS-Protection "1; mode=block";
```

```
add_header X-Robots-Tag none;
add_header X-Download-Options noopen;
add_header X-Permitted-Cross-Domain-Policies none;
add_header Referrer-Policy no-referrer;

# Path to the root of your installation
location = /robots.txt {
    allow all;
    log_not_found off;
    access_log off;
}

location = /.well-known/carddav {
    return 301 $scheme://$host:$server_port/remote.php/dav;
}
location = /.well-known/caldav {
    return 301 $scheme://$host:$server_port/remote.php/dav;
}

# set max upload size
client_max_body_size 1024M;
fastcgi_buffers 64 4K;

# Enable gzip but do not remove ETag headers
gzip on;
gzip_vary on;
gzip_comp_level 6;
gzip_min_length 2048;
gzip_proxied expired no-cache no-store private no_last_modified no_etag
auth;

gzip_types application/atom+xml application/javascript application/json
application/ld+json application/manifest+json application/rss+xml
application/vnd.geo+json application/vnd.ms-fontobject application/x-font-
ttf application/x-web-app-manifest+json application/xhtml+xml
application/xml font/opentype image/bmp image/svg+xml image/x-icon
text/cache-manifest text/css text/plain text/vcard
text/vnd.rim.location.xloc text/vtt text/x-component text/x-cross-domain-
policy;

location / {
    rewrite ^ /index.php;
}

location ~ ^\/(?:(?:build|tests|config|lib|3rdparty|templates|data))\ / {
    deny all;
}
location ~ ^\/(?:(?:\.|autotest|occ|issue|indie|db_|console) ) {
    deny all;
}
```

```
location ~
^\/(?:(?:index|remote|public|cron|core\/ajax\/update|status|ocs\/v[12]|updater\
/.+|oc[ms]-provider\/.+)\.php(?:$|\\/) {
    fastcgi_split_path_info ^(.+?\.php)(\/.*|)$;
    try_files $fastcgi_script_name =404;
    include fastcgi_params;
    fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
    fastcgi_param PATH_INFO $fastcgi_path_info;
    fastcgi_param HTTPS on;
    # Avoid sending the security headers twice
    fastcgi_param modHeadersAvailable true;
    # Enable pretty urls
    fastcgi_param front_controller_active true;
    fastcgi_pass unix:/run/php/php7.3-fpm.sock;
    fastcgi_intercept_errors on;
    fastcgi_request_buffering off;
    fastcgi_max_temp_file_size 64m;
}

location ~ ^/(?:(?:updater|oc[ms]-provider)(?:$|\\/) {
    try_files $uri/ =404;
    index index.php;
}

location ~ \.(?:css|js|woff2?|svg|gif|map)$ {
    try_files $uri /index.php$request_uri;
    add_header Cache-Control "public, max-age=15778463";
    #add_header Strict-Transport-Security "max-age=15768000;
includeSubDomains; preload;";
    add_header X-Content-Type-Options nosniff;
    add_header X-XSS-Protection "1; mode=block";
    add_header X-Robots-Tag none;
    add_header X-Download-Options noopen;
    add_header X-Permitted-Cross-Domain-Policies none;
    add_header Referrer-Policy no-referrer;
    access_log off;
}

location ~ \.(?:png|html|ttf|ico|jpg|jpeg)$ {
    try_files $uri /index.php$request_uri;
    add_header Cache-Control "public, max-age=15778463";
    access_log off;
}
}
```

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