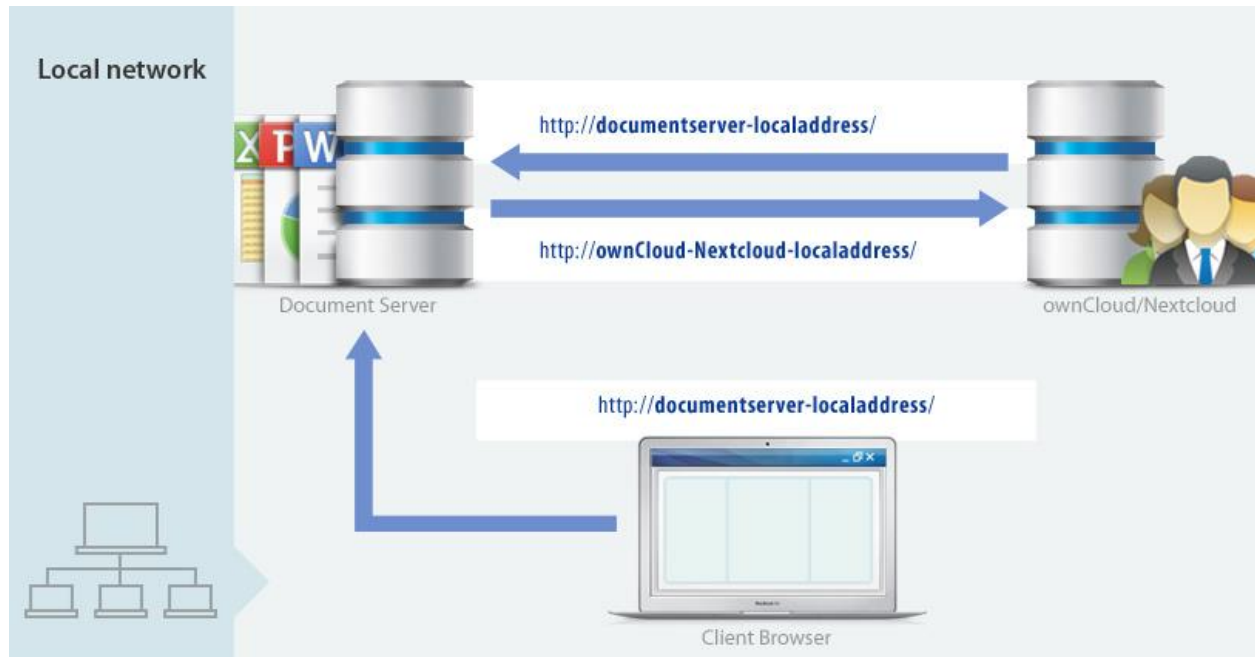


# **HOW TO INTEGRATE ONLYOFFICE WITH OWNCLOUD**

**BY STEPHEN FOSU**

ONLYOFFICE Document Server is an online office suite comprising viewers and editors for texts, spreadsheets and presentations, fully compatible with Office Open XML formats: .docx, .xlsx, .pptx and enabling collaborative editing in real time.



## **INSTALLING ONLYOFFICE DOCUMENT SERVER**

```
root@snet[~]# sudo apt install postgresql
```

```
root@snet[~]# sudo -u postgres psql -c "CREATE DATABASE onlyoffice;"
```

```
root@snet[~]# sudo -u postgres psql -c "CREATE USER onlyoffice WITH  
password 'onlyoffice';"
```

```
root@snet[~]# sudo -u postgres psql -c "GRANT ALL privileges ON DATABASE  
onlyoffice TO onlyoffice;"
```

```
root@snet[~]# curl -sL https://deb.nodesource.com/setup_6.x | sudo -E bash -
```

```
root@snet[~]# sudo apt install nodejs
```

```
root@snet[~]# sudo apt install redis-server rabbitmq-server
```

```
root@snet[~]# systemctl status redis-server
```

```
root@snet[~]# systemctl status rabbitmq-server
```

## **INSTALL ONLYOFFICE DOCUMENT SERVER**

```
root@snet[~]# echo "deb http://download.onlyoffice.com/repo/debian squeeze  
main" | sudo tee /etc/apt/sources.list.d/onlyoffice.list
```

```
root@snet[~]# sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-  
keys CB2DE8E5
```

```
root@snet[~]# sudo apt update
```

```
root@snet[~]# sudo apt install onlyoffice-documentserver
```

## **ENABLING HTTPS USING LET'S ENCRYPT TLS CERTIFICATE**

```
root@snet[~]# sudo nano /etc/nginx/conf.d/onlyoffice-documentserver.conf
```

**Change the configuration like below. Don't forget to set an A record for onlyoffice.your-domain.com.**

```
include /etc/nginx/includes/onlyoffice-http.conf;
```

```
server {
```

```
    listen 0.0.0.0:80;
```

```
    listen [::]:80 default_server;
```

```
    server_name office.snetgh.net;
```

```
    server_tokens off;
```

```
include /etc/nginx/includes/onlyoffice-documentserver-*.conf;
```

```
location ~ /.well-known/acme-challenge {
```

```
    root /var/www/onlyoffice/;
```

```
    allow all;
```

```
}
```

```
}
```

```
root@snet[~]# sudo systemctl reload nginx
```

## **THEN INSTALL CERTBOT (LET'S ENCRYPT) CLIENT.**

```
root@snet[~]# sudo apt install letsencrypt
```

### **Change the domain to A record and email**

```
root@snet[~]# sudo letsencrypt certonly --webroot --agree-tos --snetgh@gmail.com  
-d office.snetgh.net -w /var/www/onlyoffice/
```

```
root@snet[~]# sudo nano /etc/nginx/conf.d/onlyoffice-documentserver.conf
```

**Delete everything in that file and paste the following text into the file. Change the red text accordingly.**

```
include /etc/nginx/includes/onlyoffice-http.conf;  
## Normal HTTP host  
server {  
    listen 0.0.0.0:80;  
    listen [::]:80 default_server;  
    server_name office.snetgh.net;  
    server_tokens off;  
    ## Redirects all traffic to the HTTPS host  
    root /nowhere; ## root doesn't have to be a valid path since we are redirecting  
    rewrite ^ https://$host$request_uri? permanent;  
}  
#HTTP host for internal services
```

```

server {
    listen 127.0.0.1:80;
    listen [::1]:80;
    server_name localhost;
    server_tokens off;
    include /etc/nginx/includes/onlyoffice-documentserver-common.conf;
    include /etc/nginx/includes/onlyoffice-documentserver-docservice.conf;
}

## HTTPS host

server {
    listen 0.0.0.0:443 ssl;
    listen [::]:443 ssl default_server;
    server_name office.snetgh.net;
    server_tokens off;
    root /usr/share/nginx/html;

    ssl_certificate /etc/letsencrypt/live/office.snetgh.net/fullchain.pem;
    ssl_certificate_key /etc/letsencrypt/live/office.snetgh.net/privkey.pem;

    # modern configuration. tweak to your needs.

    ssl_protocols TLSv1.2;

    ssl_ciphers 'ECDHE-ECDSA-AES256-GCM-SHA384:ECDHE-RSA-AES256-
GCM-SHA384:ECDHE-ECDSA-CHACHA20-POLY1305:ECDHE-RSA-
CHACHA20-POLY1305:ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-
RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES256-SHA384:ECDHE-RSA-
AES256-SHA384:ECDHE-ECDSA-AES128-SHA256:ECDHE-RSA-AES128-
SHA256';

```

```
ssl_prefer_server_ciphers on;

# HSTS (ngx_http_headers_module is required) (15768000 seconds = 6 months)
add_header Strict-Transport-Security max-age=15768000;

ssl_session_cache builtin:1000 shared:SSL:10m;
# add_header X-Frame-Options SAMEORIGIN;
add_header X-Content-Type-Options nosniff;

# ssl_stapling on;
# ssl_stapling_verify on;
# ssl_trusted_certificate /etc/nginx/ssl/stapling.trusted.crt;
# resolver 208.67.222.222 208.67.222.220 valid=300s; # Can change to your DNS
resolver if desired

# resolver_timeout 10s;
## [Optional] Generate a stronger DHE parameter:
## cd /etc/ssl/certs
## sudo openssl dhparam -out dhparam.pem 4096
##
#ssl_dhparam {{SSL_DHPARAM_PATH}};

location ~ /.well-known/acme-challenge {
    root /var/www/onlyoffice/;
    allow all;
}

include /etc/nginx/includes/onlyoffice-documentserver-*.conf;
```

}

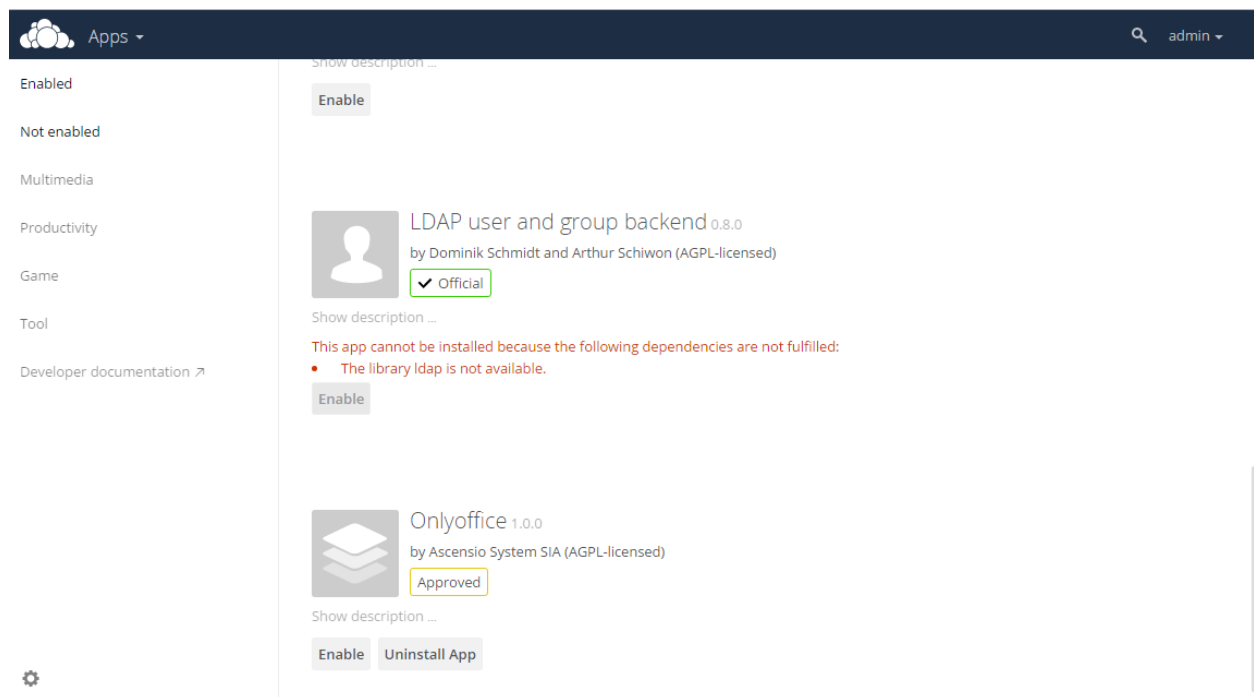
```
root@snet[~]# sudo nginx -t
```

```
root@snet[~]# sudo systemctl reload nginx
```

## **ENABLING OWNCLOUD ONLYOFFICE INTEGRATION APP**

Login to ownCloud as admin and navigate to owncloud market place and install onlyoffice app

Go to OwnCloud, open the page with **Not** enabled apps and click **Enable** for the **ONLYOFFICE** application.





Go to the OwnCloud Admin panel, open the ONLYOFFICE section and enter the address of the server where the ONLYOFFICE Document Server is installed:

<https://<documentserver>>

The screenshot shows the OwnCloud Admin interface. The top navigation bar is dark blue with the OwnCloud logo and 'Admin' on the left, and 'admin' on the right. A sidebar on the left lists various settings categories: Security & setup warnings, Sharing, Server-side encryption, Federation, File handling, ONLYOFFICE, Mail Templates, Cron, Email server, Log, and Tips & tricks. The main content area is titled 'ONLYOFFICE' with an information icon. Below the title, a message states: 'ONLYOFFICE Document Service Location specifies the address of the server with the document services installed. Please change the '<documentserver>' for the server address in the below line.' There is a text input field labeled 'Document Editing Service Address' containing 'https://<documentserver>'. Below the field is a 'Save' button. Further down, there is a 'Mail Templates' section with two dropdown menus: 'Theme' (set to 'example') and 'Template' (set to 'Please choose a template'). At the bottom, there is a 'Cron' section with a green status indicator and the text 'Last cron job execution: 12 minutes ago.' Below this, there are two radio buttons: 'AJAX' (selected) and 'Webcron'. A description for 'AJAX' says 'Execute one task with each page loaded'.

## Start editing documents

The screenshot shows the OwnCloud Files interface. The top navigation bar is dark blue with the OwnCloud logo and 'Files' on the left, and a search icon and 'admin' on the right. A sidebar on the left lists various file management options: All files, Favorites, Shared with you, Shared with others, Shared by link, Tags, Deleted files, and Settings. The main content area shows a breadcrumb path 'Documents' with a '+' button. Below the path is a table with columns 'Name', 'Size', and 'Modified'. The table contains one entry: 'Example.odt' with a size of '35 KB' and a modification time of '34 minutes ago'. A context menu is open over the 'Example.odt' entry, showing options: 'Details', 'Rename', 'Download', 'Open in ONLYOFFICE', and 'Delete'. Below the table, it says '1 file'.

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