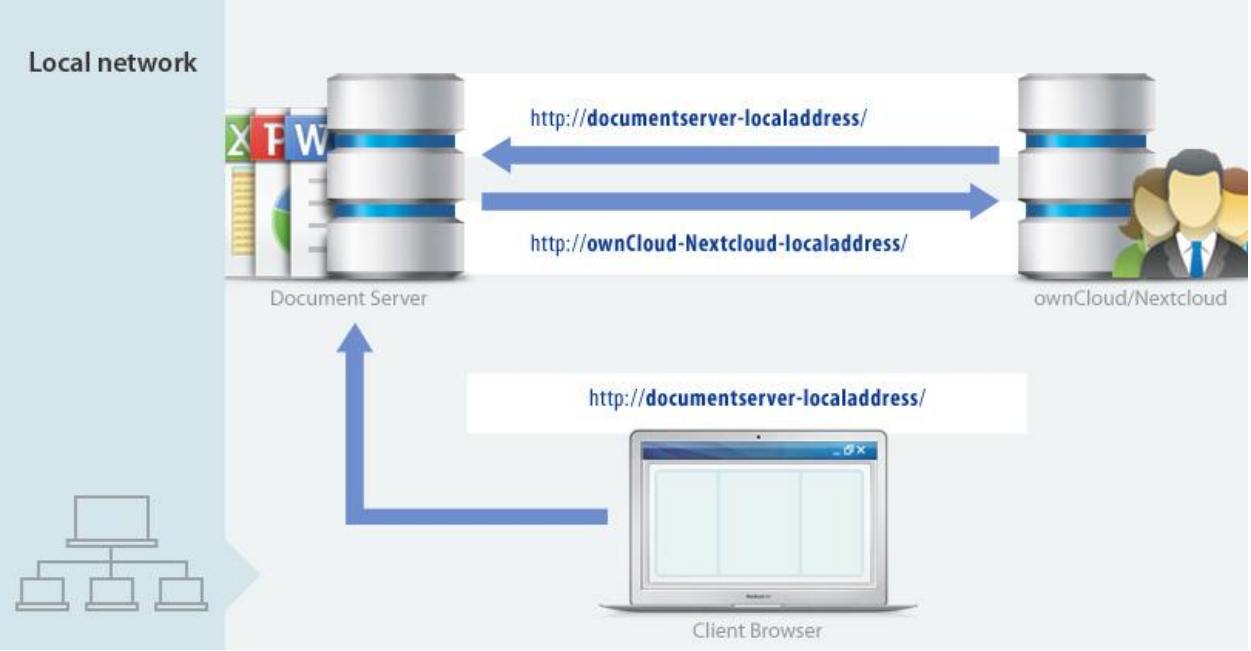
HOW TO INTEGRATE ONLYOFFICE WITH OWNCLOUD

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;
```

}

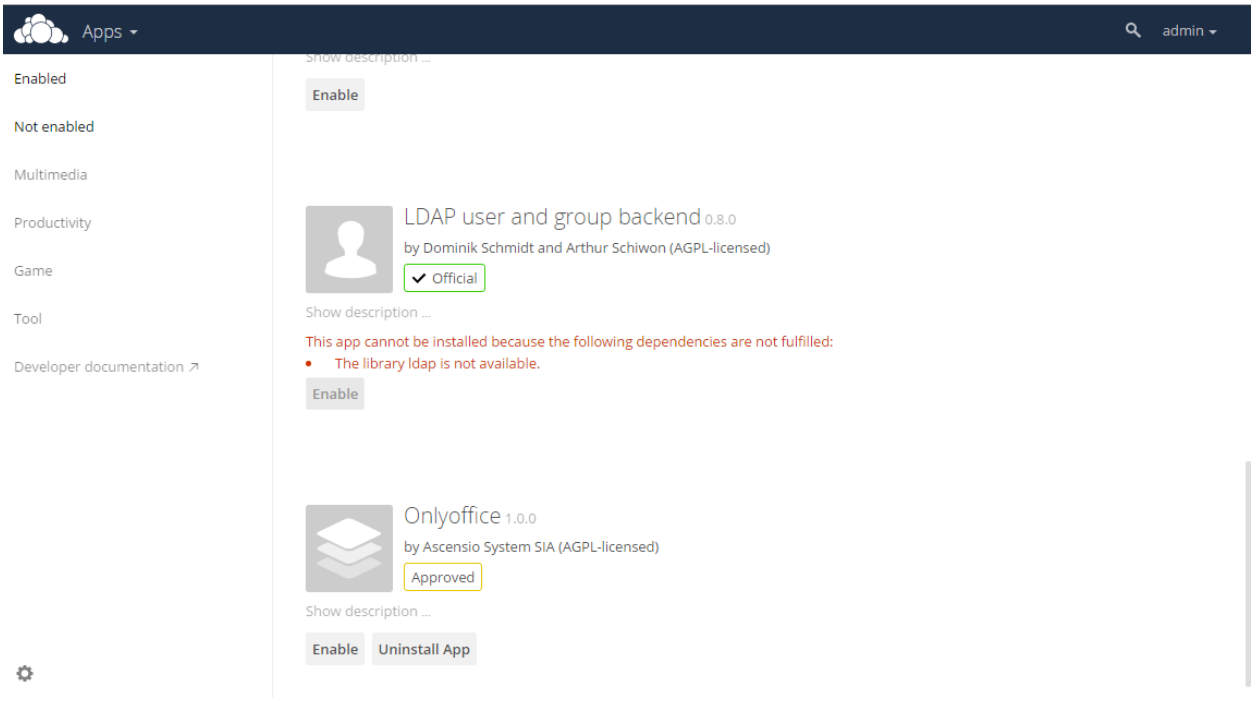
root@snet[~]# sudo nginx –t

root@snet[~]# sudo systemctl reload nginx

ENABLING OWNCLOUD ONLYOFFICE INTEGRATION APP

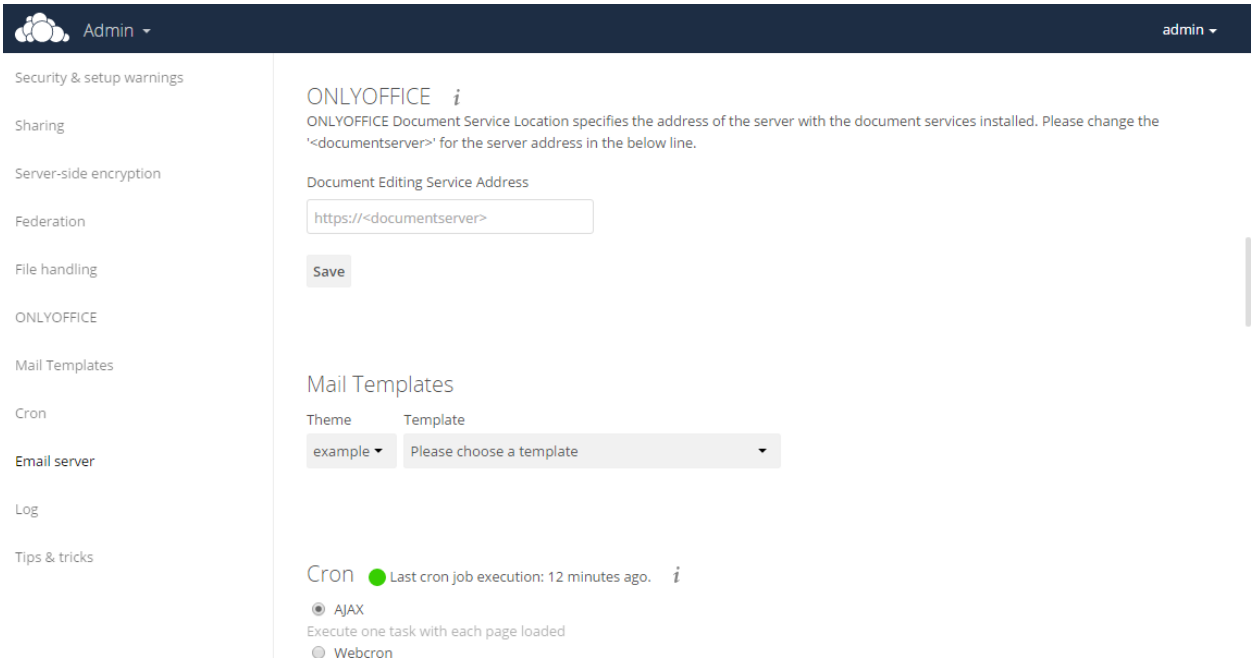
Login to ownCloud as admin and navigate to owncloud market place and install onlyoffice app

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

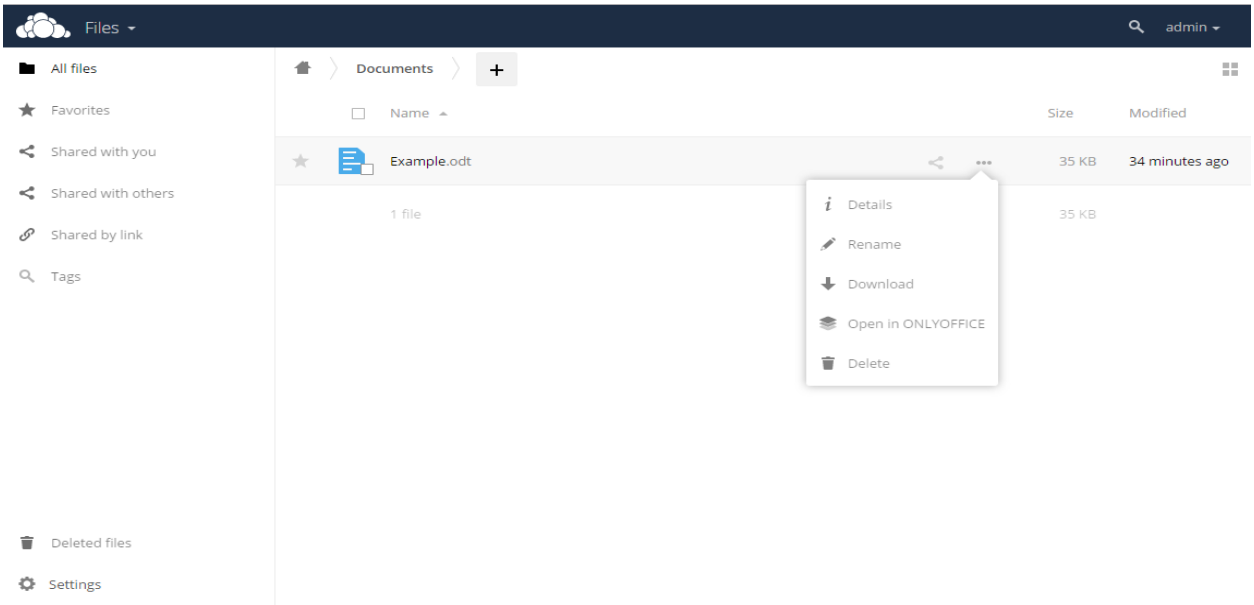


Go to the OwnCloud Admin panel, open the ONLYOFFICE section and enter the address of the server where the ONLYOFFICE Document Server is installed:

https://<documentserver>



Start editing documents



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