NEXTCLOUD

Server setup

PREREQUESITS:

In order to complete the steps in this guide, you will need the following:

DynamicDNS - Domain Name pointed to your server:

For A Domain Name pointing to the server I use Duck DNS.   https://www.duckdns.org/

To get free HTTPS access use the following urls.

```
$curlhttps://www.duckdns.org/update?domains={YOURVALUE}
&token={YOURVALUE}[&ip={YOURVALUE}][&ipv6={YOURVALUE}]
[&verbose=true][&clear=true]'
```

Example of Syntax

```
$ curl 'https://www.duckdns.org/update?
domains=gubna.duckdns.org&token=00af091f-5c4d-4bca-
a9a5-
a3dd90a84fff&ip=138.197.68.104&verbose=true&clear=true'
```

TXT RECORD

```
                curl 'https://www.duckdns.org/update?
domains=gubna.duckdns.org&token=00af091f-5c4d-4bca-
a9a5-a3dd90a84fff&txt=v=spf1-
all&verbose=true&clear=true'
```

INSTALL DUCK DNS

linux cron

if your linux install is running a crontab, then you can use a cron job to keep updated

$ ps -ef | grep cr[o]n

if this returns nothing - then go and read up how to install cron for your Linux distribution

Make a directory to put your files in, move into it and make our main script

mkdir duckdns
cd duckdns
Nano duck.sh

now copy this text and put it into the file.

```
echo url="https://www.duckdns.org/update?
domains=22sycamore&token=00af091f-5c4d-4bca-a9a5-
a3dd90a84fff&ip=" | curl -k -o ~/duckdns/duck.log -K -
```

Save the file
this script will make a https request and log the output in the file duck.log

Make the duck.sh file executeable
chmod 700 duck.sh

next we will be using the cron process to make the script get run every 5 minutes

$ crontab -e

copy this text and paste it at the bottom of the crontab

```
*/5 * * * * ~/duckdns/duck.sh >/dev/null 2>&1
```

Save the file & run script with

$ ./duck.sh

we can also see if the last attempt was successful (OK or bad KO)

NEXT-CLOUD INSTALL

We will be securing connections to the Nextcloud installation with TLS/SSL. Nextcloud can set up and manage a free, trusted SSL certificate from Lets Encrypt if your server has a domain name.

To download the Nextcloud snap package and install it on the system.

$ sudo snap install nextcloud

To configure Nextcloud with a new administrator account, use the nextcloud.manual-install command. You must pass in a username and a password as arguments:

$ sudo nextcloud.manual-install sammy password

Example of Syntax

$ sudo nextcloud.manual-install XXXXX XXXXXXXXX

ADJUSTING TRUSTED DOMAINS

Replace the example.com down below the Domain Name provided by Duck DNS

$sudo nextcloud.occ config:system:set trusted_domains 1 --value=example.com

SECURING NEXTCLOUD GUI WITH SSL

Enable firewall rules

$ sudo ufw allow 80,443/tcp

Get Encrypt certificate

$ sudo nextcloud.enable-https lets-encrypt

Follow prompts , answer -y, add email, add domain from duck dns.

Now You are ready to access server form

https://example.com

https://xxxxxxx.duckdns.org

COMMON COMMANDS FOR NEXTCLOUD

$ snap changes nextcloud

$ snap info nextcloud

$ snap connections nextcloud

$ cat /snap/nextcloud/current/meta/snap.yaml

$ sudo nextcloud.occ config:system:get trusted_domains