

# NEXTCLOUD



## **SERVER SETUP PREREQUISITES:**

**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=xxxx.duckdns.org&token=xxxxxxxxxx&ip=138.1**

**97.68.104&verbose=true&clear=true'**

## **TXT RECORD**

```
curl 'https://www.duckdns.org/update?  
domains=xxxxx.duckdns.org&token=xxxxx&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=xxxxx&token=xxxxx&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
```

# 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**

