

# Duck DNS

## Operating Systems

linux cron linux bsd cron linux netcat cron linux GUI DotNet Core Script  
mono windows-gui windows-script windows-powershell windows-c#  
osx osx-homebrew osx IP Monitor osx-ios RealDNS android pi  
raspbmc ec2

## Routers

openwrt tomatoUSB mikrotik fritzbox dd-wrt allied telesis  
technicolor tg582n zte h108n pfSense freenas EdgeRouter  
smoothwall synology hardware

## Standards

GnuDIP.http DynDns inady n DNSOmatic

## first step - choose a domain.

http:// asirgrupo2 .duckdns.org

## linux cron

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

```
ps -ef | grep cr[o]n
```

if this returns nothing - then go and read up how to install cron for your distribution of linux.  
also confirm that you have **curl** installed, test this by attempting to run curl

```
curl
```

if this returns a command not found like error - then find out how to install curl for your distribution.  
otherwise lets get started and make a directory to put your files in, move into it and make our main script

```
mkdir duckdns
cd duckdns
vi duck.sh
```

now copy this text and put it into the file (in vi you hit the **i** key to insert, **ESC** then **u** to undo) The example below is for the domain **asirgrupo2**

if you want the configuration for a different domain, use the drop down box above

you can pass a comma separated (no spaces) list of domains

you can if you need to hard code an IP (best not to - leave it blank and we detect your remote ip)

hit **ESC** then use use arrow keys to move the cursor **x** deletes, **i** puts you back into insert mode

```
echo url="https://www.duckdns.org/update?domains=asirgrupo2&token=e86851f8-def3-4d6f-986f-f332f8289f16&ip=" | curl -k -o ~/duckdns/duck.log -K -
```

now save the file (in vi hit **ESC** then **:wq!** then **ENTER**)

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

now 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
```

now save the file (**CTRL+o** then **CTRL+x**)

lets test the script

```
./duck.sh
```

this should simply return to a prompt

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

```
cat duck.log
```

if it is KO check your Token and Domain are correct in the **duck.sh** script

## what now?

Well you probably want to setup port forwarding on your router to make use of your new DDNS name  
we recommend [portforward.com](https://portforward.com) to learn all about this.

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