

Automatic Cloudflare DNS Update

Create a script that queries the current IP address, then updates it using Cloudflare's API

```
# Acquire the permanent, publically addressable ipv6 address of the eth0 adapter
ip -6 addr show dev eth0 mngtmpaddr | grep -oE "([0-9a-fA-F]{1,4}:){7}[0-9a-fA-F]{1,4}"

# Acquire the ipv4 address
curl https://api.ipify.org
```

```
import http.client requests json

ipv4_data = json.loads(requests.get('https://api.ipify.org?format=json').text)
ipv4_addr = ipv4_data["ip"]

# Acquire the permanent, publically addressable ipv6 address of the eth0 adapter
ipv6_addr = subprocess.run('ip -6 addr show dev eth0 mngtmpaddr | grep -oE "([0-9a-fA-F]{1,4}:){7}[0-9a-fA-F]{1,4}"')

# Acquire zones
conn = http.client.HTTPSConnection("api.cloudflare.com")

headers = {
    'Content-Type': "application/json",
    'Authorization': "Bearer <API_TOKEN>"
}

conn.request("GET", "/client/v4/zones", headers=headers)

res = conn.getresponse()
data = res.read()

# Modify all DNS records
...
```

Revision #2

Created 22 July 2024 17:10:02 by GT

Updated 26 July 2024 18:45:28 by GT