Script 1 - RPZ Format

Notes:

- Script to utilize error handling, it shouldn't stop at all, should re-attempt any failed transaction.

- Script should log the every download and file editing even along with timestamp in local directory file script1-logs.txt

- Script should be written in C++ as its expected to

- Script will pull and download each file specified in the URLs list below every 10 minutes. The file shall be named as per the indicated name and saved in directory "/etc/bind/master/"

- Script shall periodically every 10 minutes re-download / overriding previous the file and keeping the same name. The interval should be easy to adjust with a clear variable.

- Each file will be follow the below template:

```
$TTL 300
@ SOA localhost. root.localhost. 1695378660 3600 3600 259200 300
  NS  localhost.
;
; Title: HaGeZi's Anti-Piracy DNS Blocklist
; Description: Blocks websites and services that are mainly used for illegal
distribution of copyrighted content.
; Homepage: https://github.com/hagezi/dns-blocklists
; Issues: https://github.com/hagezi/dns-blocklists/issues
; Expires: 7 days
; Last modified: 22 Sep 2023 10:31 UTC
; Version: 2023.0922.1031.40
; Syntax: RPZ
; Number of entries: 21180
;
xxxxxxxxxxxxxxxxxxxxxxxx CNAME .
…………
```

- Actions to be performed by script on each file:

    1. Script to remove the fields highlighted in yellow

    2. Edit the fields highlighted in green to match the below values

    3. Do ++ counter on the field highlighted in purple (first download to reset the number to 0, then increment by 1 each time the script downloads and manipulates the file):

```
$TTL 300
@ SOA localhost. Securedomains.rpz. 0 3600 3600 259200 300
  NS  localhost.
;
; Description: Blocks websites and services that are mainly used for illegal
distribution of copyrighted content.
; Expires: 7 days
; Last modified: 22 Sep 2023 10:31 UTC
; Version: 2023.0922.1031.40
; Syntax: RPZ
; Number of entries: 21180
```

```
;
xxxxxxxxxxxxxxxxxxxxxxx CNAME  .
………….
```

4. Execute bash command "sudo rndc reload"

// files to be downloaded and saved in directory *"/etc/bind/master/"* *, please allow the directory to be editable in a simple variable ..*

URLs:

File name = securedomains.piracy

https://raw.githubusercontent.com/hagezi/dns-blocklists/main/rpz/anti.piracy.txt

File name = securedomains.gambling

https://raw.githubusercontent.com/hagezi/dns-blocklists/main/rpz/gambling.txt

File name = securedomains.safesearch

https://raw.githubusercontent.com/hagezi/dns-blocklists/main/rpz/nosafesearch.txt

File name = securedomains.bypass

https://raw.githubusercontent.com/hagezi/dns-blocklists/main/rpz/doh-vpn-proxy-bypass.txt

File name = securedomains.fake

https://raw.githubusercontent.com/hagezi/dns-blocklists/main/rpz/fake.txt

File name = securedomains.malicous

https://raw.githubusercontent.com/hagezi/dns-blocklists/main/rpz/tif.txt

Script 2 - Other Format

- Script to utilize error handling, it shouldn't stop at all, should re-attempt any failed transaction.

- Script should log every download and file editing even along with timestamp in local directory file script2-logs.txt

- **Script should be written in C/C++ as its expected to handle 10000s of lines**

- Script will pull and download each file specified in the URLs list below every 10 minutes. The file shall be named as per the indicated name and saved in directory "/etc/bind/master/"

- Script shall periodically every 10 minutes re-download / overriding previous the file and keeping the same name. The interval should be easy to adjust with a clear variable.

- Each file in the below URLs will follow the below template:

```
# ----------------------------------[UPDATE]----------------------------------
# Title: The Block List Project - Abuse List (NL)
# Expires: 1 day
# Homepage: https://blocklist.site
# Help: https://github.com/blocklistproject/lists/wiki/
# License: https://unlicense.org
# Total number of network filters: 435159
# ----------------------------------[SUPPORT]----------------------------------
# You can support by:
# - reporting false positives
# - making a donation: https://paypal.me/blocklistproject
# ----------------------------------[INFO]----------------------------------
#
# Abuse list
# ----------------------------------[FILTERS]----------------------------------
xxxxxxxxxxxxxx
xxxxxxxxxxxxxx
# xxxxxxxxxxxxxx
Xxxxxxxxxxxxxx
……
```

- Actions to be performed by script on each file:

  1. Remove all lines starting with a hash character "#" (example highlighted in yellow)
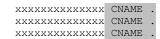
  2. Add the below text highlighted in gray to each line

```
xxxxxxxxxxxxxx CNAME .
xxxxxxxxxxxxxx CNAME .
xxxxxxxxxxxxxx CNAME .
……
```

  3. Add the below section colored in red at the start of each file:

```
$TTL 300
@ SOA localhost. Securedomains.rpz. 0 3600 3600 259200 300
  NS  localhost.
```

```
xxxxxxxxxxxxxx  CNAME  .
xxxxxxxxxxxxxx  CNAME  .
xxxxxxxxxxxxxx  CNAME  .
```

4. Do a ++ counter on the field highlighted in purple above (first download to be 0, then increment by 1 each time the script downloads and manipulates the file).

5. Execute bash command "sudo rndc reload"

// files to be downloaded and saved in directory "/etc/bind/master/" , please allow the directory to be editable in a simple variable ..

URLs:

File name = securedomains.abuse

https://blocklistproject.github.io/Lists/alt-version/abuse-nl.txt

File name = securedomains.ads

https://blocklistproject.github.io/Lists/alt-version/ads-nl.txt

File name = securedomains.crypto

https://blocklistproject.github.io/Lists/alt-version/crypto-nl.txt

File name = securedomains.Drugs

https://blocklistproject.github.io/Lists/alt-version/drugs-nl.txt

File name = securedomains.Facebook

https://blocklistproject.github.io/Lists/alt-version/facebook-nl.txt

File name = securedomains.Fraud

https://blocklistproject.github.io/Lists/alt-version/fraud-nl.txt

File name = securedomains.Malware

https://blocklistproject.github.io/Lists/alt-version/malware-nl.txt

File name = securedomains.Phising

https://blocklistproject.github.io/Lists/alt-version/phishing-nl.txt

File name = securedomains.Piracy

https://blocklistproject.github.io/Lists/alt-version/piracy-nl.txt

File name = securedomains.Porn

https://blocklistproject.github.io/Lists/dnsmasq-version/porn-dnsmasq.txt

File name = securedomains.Ransomware

https://blocklistproject.github.io/Lists/alt-version/ransomware-nl.txt

File name = securedomains.Scam

https://blocklistproject.github.io/Lists/alt-version/scam-nl.txt

File name = securedomains.TikTok

https://blocklistproject.github.io/Lists/alt-version/tiktok-nl.txt

File name = securedomains.Torrent

https://blocklistproject.github.io/Lists/alt-version/torrent-nl.txt

File name = securedomains.Tracking

https://blocklistproject.github.io/Lists/alt-version/tracking-nl.txt

File name = securedomains.hate

https://blocklist.sefinek.net/generated/noip/forks/developerdan.hate-and-junk-extended.txt

File name = securedomains.useless

https://blocklist.sefinek.net/generated/noip/useless-websites.txt

File name = securedomains.fakenews

https://blocklist.sefinek.net/generated/noip/forks/marktron.fakenews.txt

File name = securedomains.onlinedating

https://blocklist.sefinek.net/generated/noip/forks/developerdan.dating-services-extended.tx

File name = securedomains.pinterest

https://blocklist.sefinek.net/generated/noip/sites/pinterest.txt

File name = securedomains.youtube

https://blocklist.sefinek.net/generated/noip/sites/youtube.txt

File name = securedomains.tiktok

https://blocklist.sefinek.net/generated/noip/social/tiktok.txt

File name = securedomains.facebook

https://blocklist.sefinek.net/generated/noip/social/facebook.txt

File name = securedomains.instagram

https://blocklist.sefinek.net/generated/noip/social/instagram.txt

File name = securedomains.snapchat

https://blocklist.sefinek.net/generated/noip/social/snapchat.txt

File name = securedomains.twitter

https://blocklist.sefinek.net/generated/noip/social/twitter.txt

File name = securedomains.skype

https://blocklist.sefinek.net/generated/noip/apps/skype.txt

File name = securedomains.whatsapp

https://blocklist.sefinek.net/generated/noip/apps/whatsapp.txt

File name = securedomains.spotify

https://blocklist.sefinek.net/generated/noip/apps/spotify.txt