Wicked Quick Backup DNS
Backup for lousy Windows DNS

Type of Systems: Linux w/ Docker
Necessary Skills: Linux admin, Docker
Complete Goal: Spin up very quick backup DNS server.

Reminder Don't forget to set this as the second DNS server on both static and DHCP machines. Also, to install docker, follow docs.docker.com/install/

Backup Windows DNS

To export records from a Windows DNS server in Zonefile format, run the following Powershell commands:

```
> Get-DNSServerZone
```

There will be a few default zones, and the created zones. Run an export for each zone you want to backup

```
> Export-DNSServerZone -Name <Zone Name> -FileName <Backup FileName>
```

The "Zone Name" parameter is from the previous command. The Zone file will be automatically saved in the directory C:\Windows\System32\dns. You can copy it from there.

You can also import records from a zone file. Make sure that the file is saved to the directory C:\Windows\System32\dns.

```
> Import-DNSServerResourceRecordDS -ZoneName <zone> -DSSetFile <The file in
the dns dir>
```

Spin up the DNS server:

To bring up the dns server with the following bash on the Docker server, using the backed up Zonefiles from above, and the Corefile below with the zone section repeated for each of your Zonefiles:

```
docker run --restart=always --volume=<Config directory>:/root/ -p 53:53/udp
coredns/coredns -conf /root/Corefile
```

Note that if you have issues running this command because it says port 53 is already in use, you should bind that port mapping to a specific address on the host by using `-p ADDRESS:53:53/udp`

Corefile:

```
.:53 {
     forward . 1.1.1.1
     log
     errors
}
example.com:53 {
     file /root/<Zonefile name>
     log
     errors
}
```