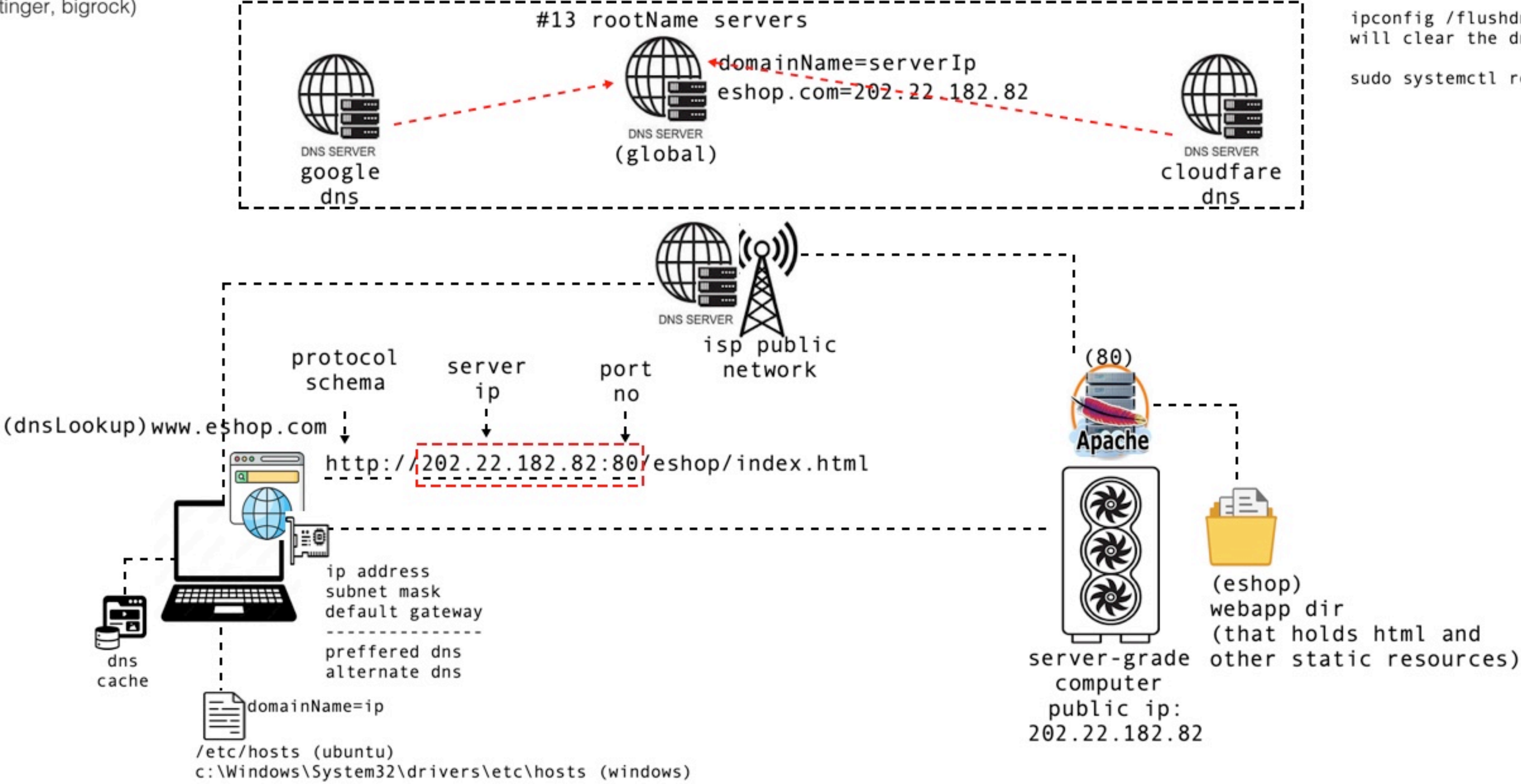domain name service providers
Internet Corporation for Assigned Names and Numbers (ICANN)
|- DNS providers (godaddy, hostinger, bigrock)

#13 rootName servers

domainName=serverIp
eshop.com=202.22.182.82

DNS SERVER
(global)

DNS SERVER
google
dns

DNS SERVER
cloudfare
dns

ipconfig /flushdns
will clear the dns cache on windows machine.

sudo systemctl restart dnsmasq = linux

DNS SERVER
isp public
network

(80)
Apache

protocol
schema

server
ip

port
no

(dnsLookup)www.eshop.com

http://202.22.182.82:80/eshop/index.html

ip address
subnet mask
default gateway
----
preffered dns
alternate dns

dns
cache

domainName=ip

/etc/hosts (ubuntu)
c:\Windows\System32\drivers\etc\hosts (windows)

(eshop)
webapp dir
(that holds html and
other static resources)

server-grade
computer
public ip:
202.22.182.82

domainName
identifiable/readableName that can be
used as an substitute for the ip address in accessing
the application