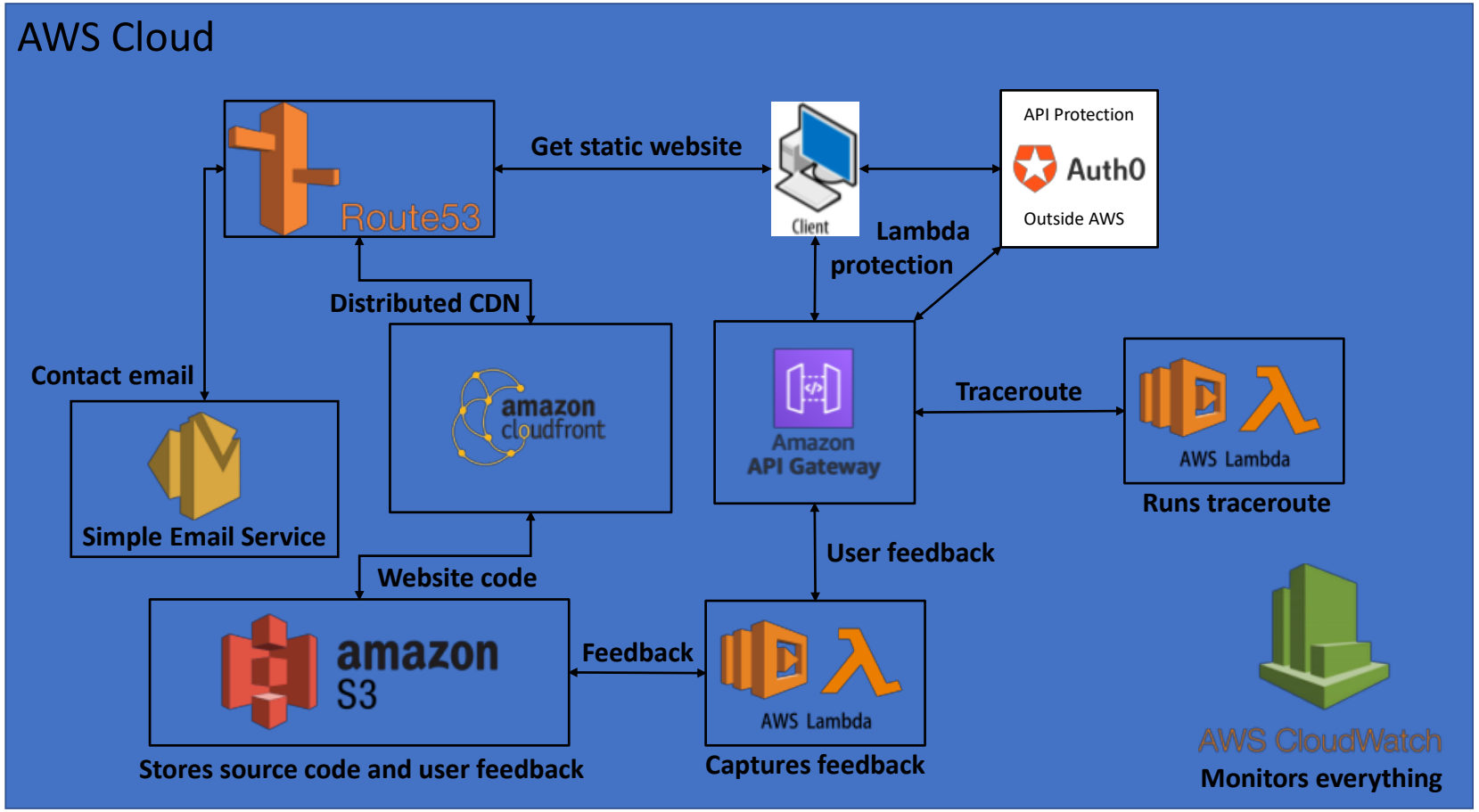
PERSONAL WEBSITE PRESENTATION

Patrick Muradaz

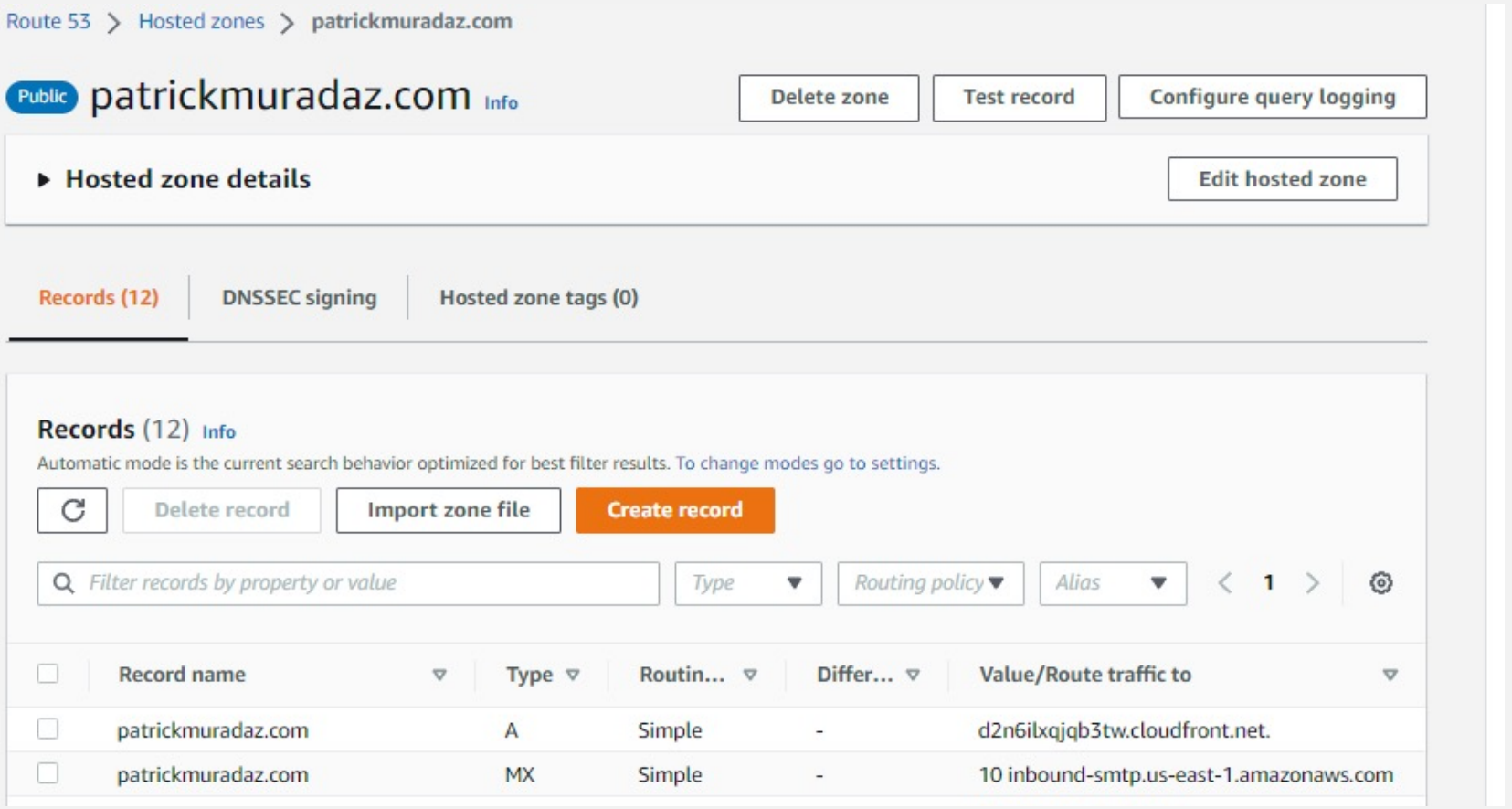
ARCHITECTURE DIAGRAM



INCORPORATED COURSE ASPECTS

- DNS
- IP Lookup
- Traceroute
- Cookies
- Simple email server
- Cryptography

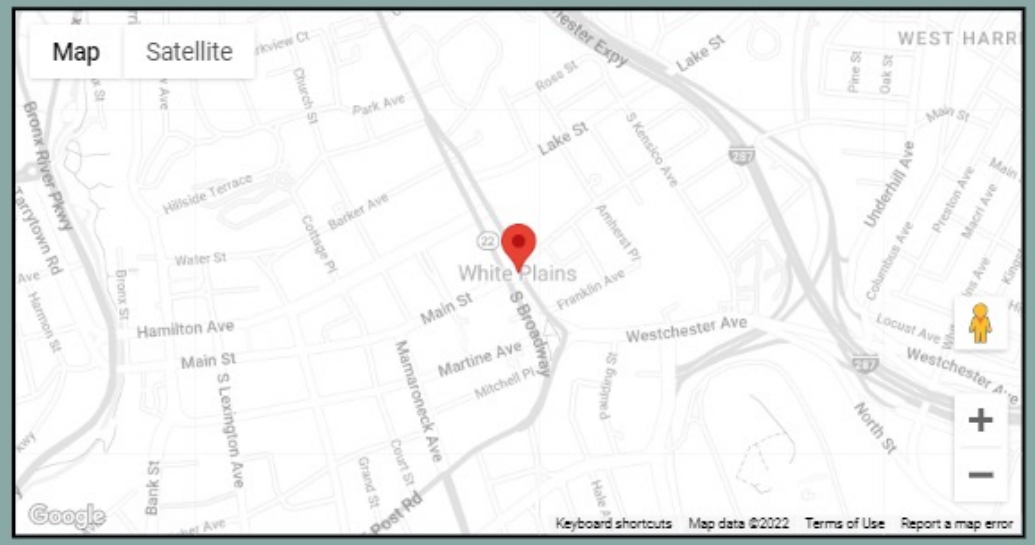
DOMAIN NAME SERVICE (DNS)



IP LOOKUP

Your Client's Info:

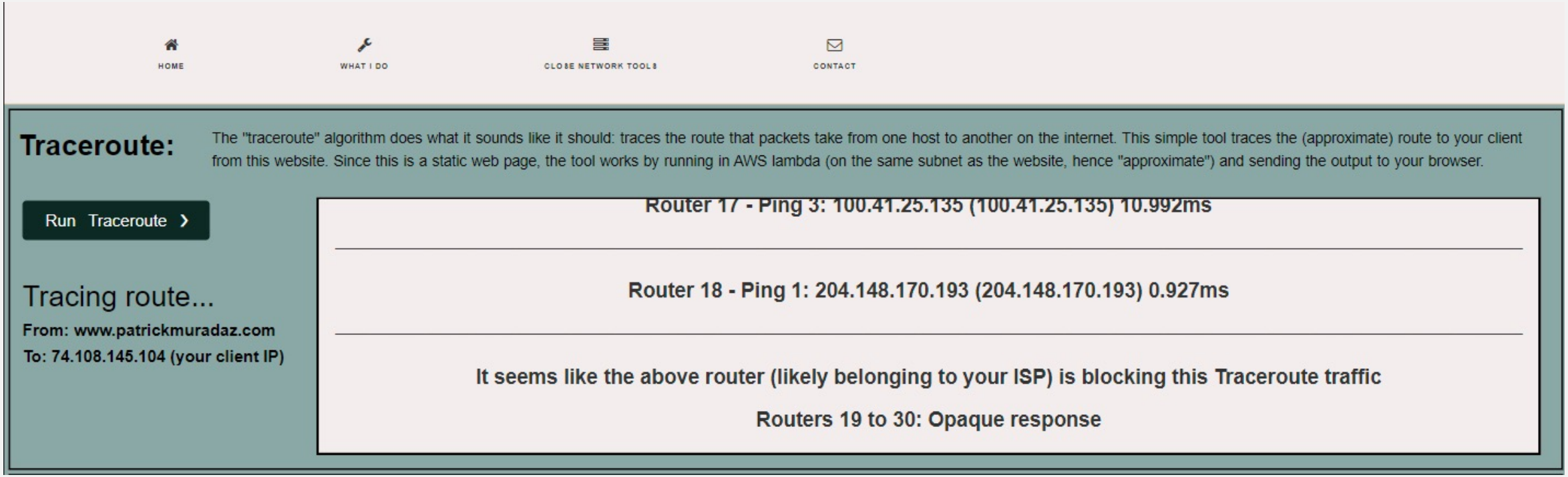
The information displayed below, including the map with your estimated location, was all gathered using your IP address alone. When you browse without a VPN, every website you visit has access to you IP and knows, at the very least, this much about you!



Your IP: 74.108.145.104
Your address: North America, United States, New York, White Plains, 10605
Your internet provider: Verizon
You probably speak: English
You probably use: US dollars
Your threat profile is:

Anonymous: FALSE	Bogon: FALSE
TOR: FALSE	Proxy server: FALSE
Datacenter: FALSE	iCloud relay: FALSE
Known abuser: FALSE	Known attacker: FALSE
Known threat: FALSE	

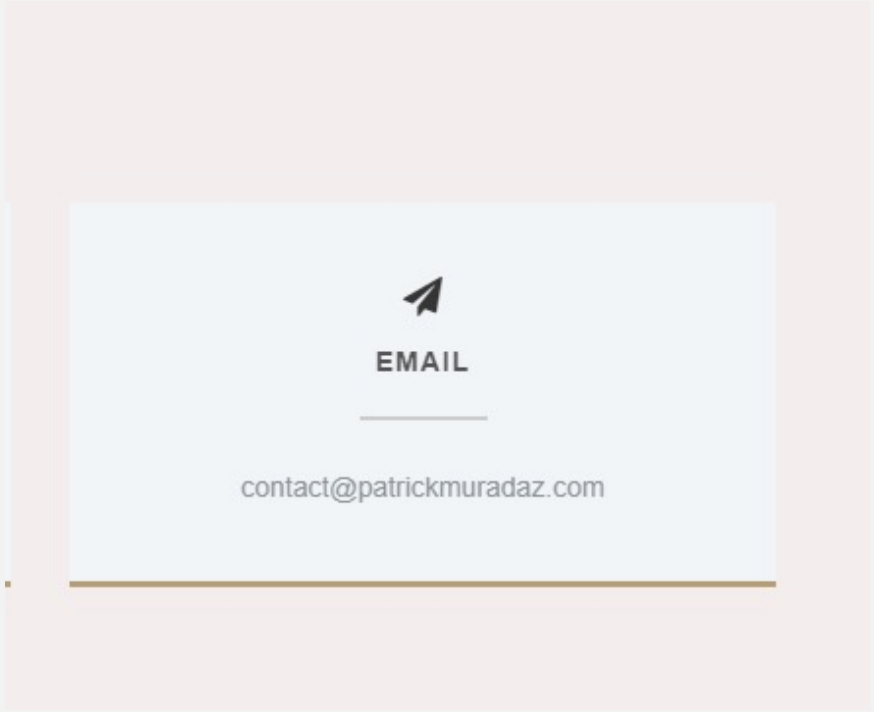
TRACEROUTE


HOME
WHAT I DO
CLOSE NETWORK TOOLS
CONTACT
Traceroute:
The "traceroute" algorithm does what it sounds like it should: traces the route that packets take from one host to another on the internet. This simple tool traces the (approximate) route to your client from this website. Since this is a static web page, the tool works by running in AWS lambda (on the same subnet as the website, hence "approximate") and sending the output to your browser.
Run Traceroute
Tracing route...
From: www.patrickmuradaz.com
To: 74.108.145.104 (your client IP)
Router 17 - Ping 3: 100.41.25.135 (100.41.25.135) 10.992ms
Router 18 - Ping 1: 204.148.170.193 (204.148.170.193) 0.927ms
It seems like the above router (likely belonging to your ISP) is blocking this Traceroute traffic
Routers 19 to 30: Opaque response

COOKIES


PATRICK
MURADAZ
THOUGHT LEADER
SEE MORE
Welcome back!
You last visited on Sun Nov 06 2022
What do you think of this site?
It's great!
It sucks!

SIMPLE EMAIL SERVER



- Configured a simple email server using AWS SES
- Routing is handled in AWS Route53 using my domain
- Server can send and receiving email to/from my domain

CRYPTOGRAPHY & CDN

- Configured a CloudFront distribution as a CDN for my site
- This distribution allows me to secure traffic using an SSL cert
- My API is secured using JWTs provided by Auth0

LIVE DEMO

QUESTIONS?