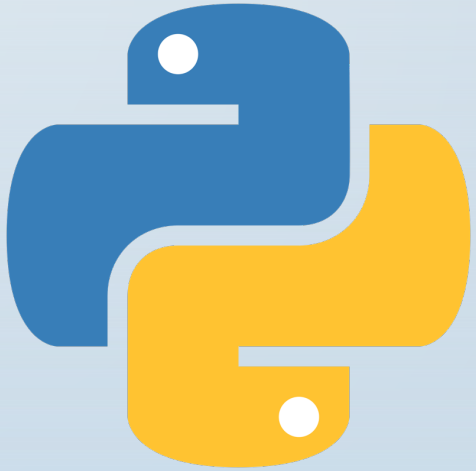
ABOUT THIS PORTFOLIO

LOGAN PUGSLEY

LOGAN@PUGSLEY.CA

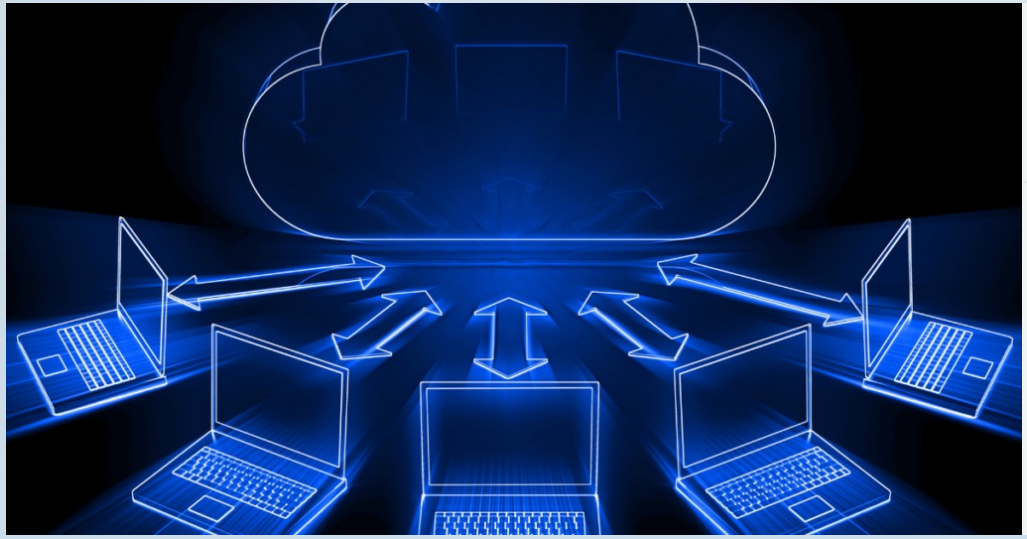
HOW DID YOU GET HERE?

- This portfolio is truly mine
  - Its infrastructure is hosted by me in the cloud, using Amazon Web Services (AWS)
  - Its code is custom written by me, using Python

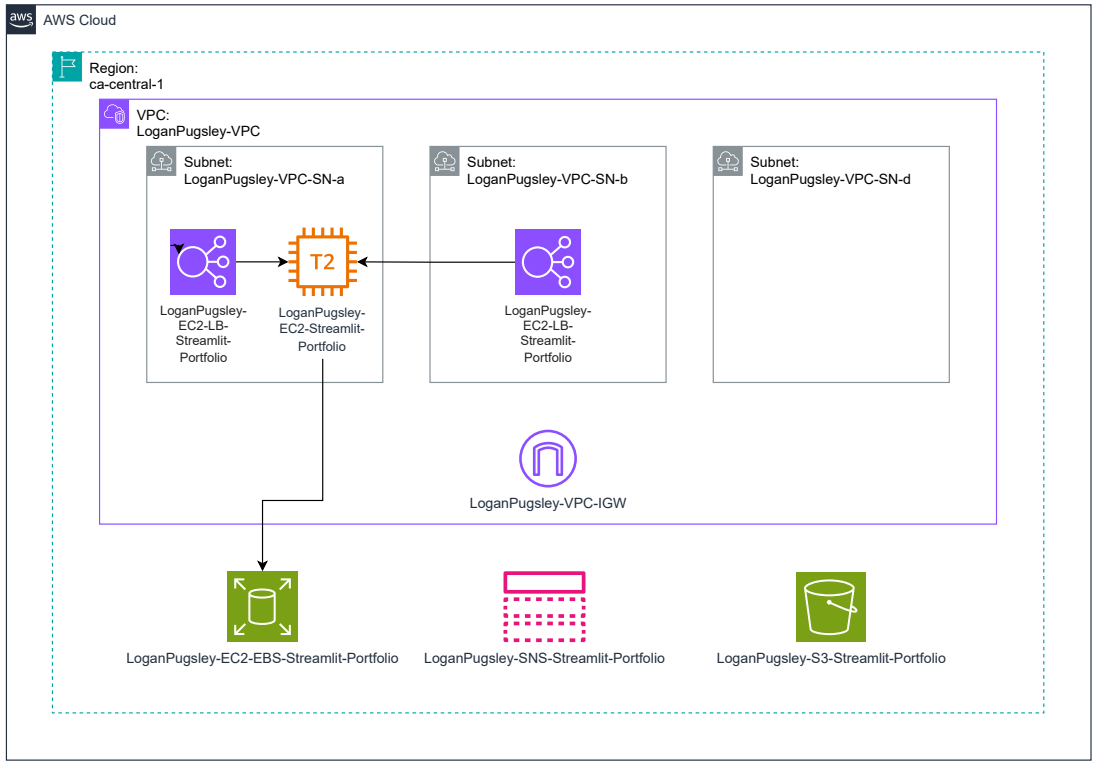


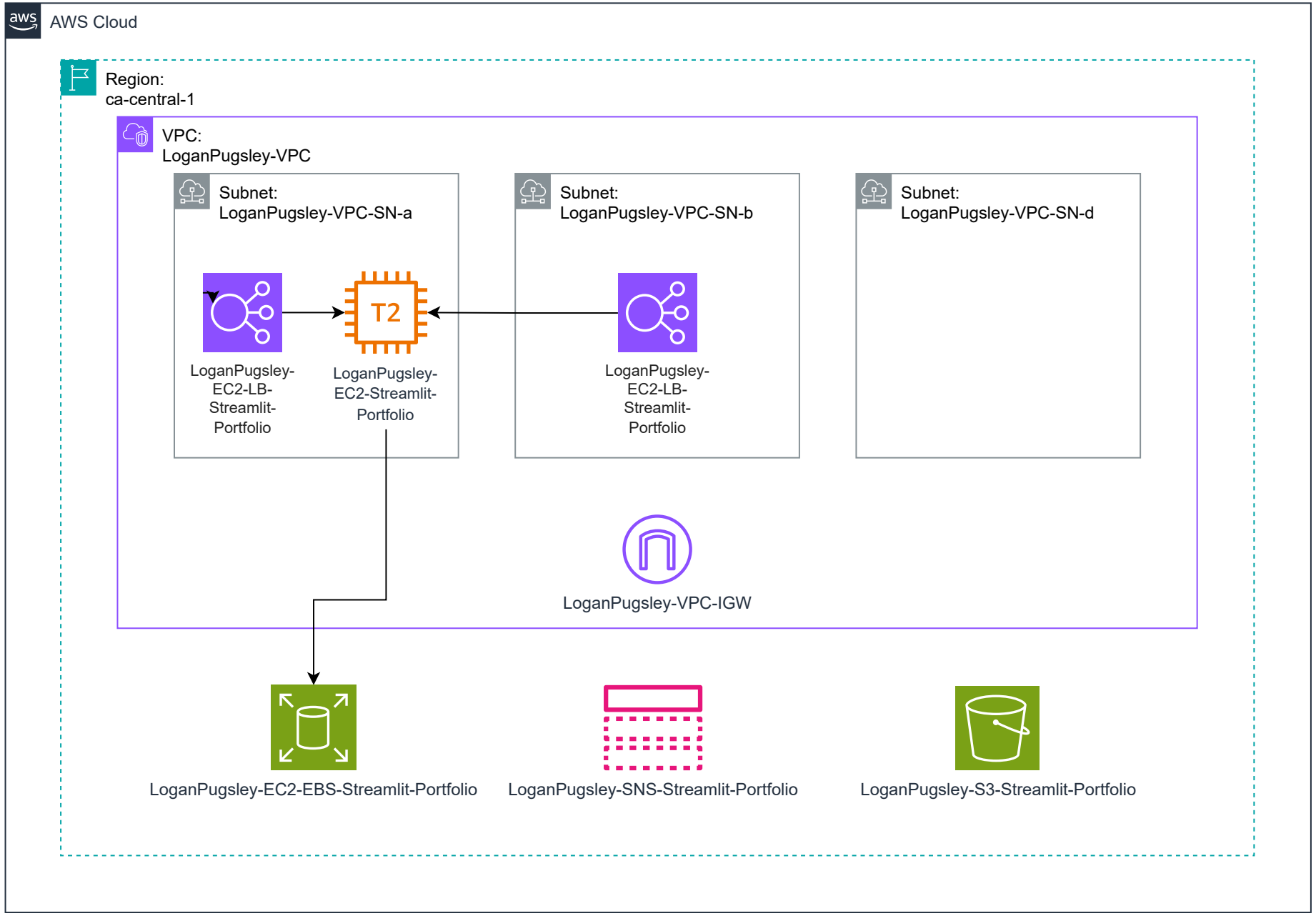
INFRASTRUCTURE

- Cloud computing is the on-demand availability of computer system resources.
- Amazon Web Services (AWS) is the world's most comprehensive and broadly adopted cloud, offering over 200 fully featured services from data centers globally.



INFRASTRUCTURE DIAGRAM



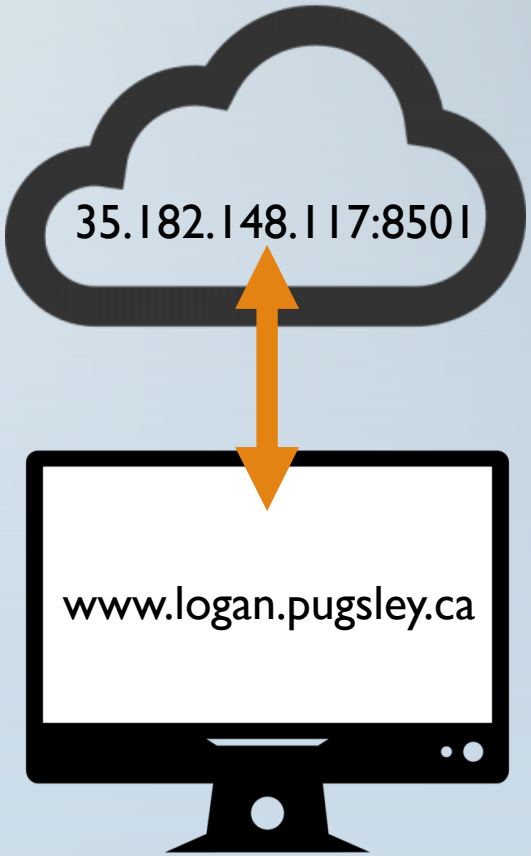

AWS Cloud
Region:
ca-central-1
VPC:
LoganPugsley-VPC
Subnet:
LoganPugsley-VPC-SN-a
Subnet:
LoganPugsley-VPC-SN-b
Subnet:
LoganPugsley-VPC-SN-d
T2
LoganPugsley-EC2-LB-Streamlit-Portfolio
LoganPugsley-EC2-Streamlit-Portfolio
LoganPugsley-EC2-LB-Streamlit-Portfolio
LoganPugsley-VPC-IGW
LoganPugsley-EC2-EBS-Streamlit-Portfolio
LoganPugsley-SNS-Streamlit-Portfolio
LoganPugsley-S3-Streamlit-Portfolio

INFRASTRUCTURE: SERVER

- The "server" that allows you to view this page through the internet is an Elastic Compute Cloud (EC2) instance on the AWS cloud, hosted in the ca-central-1 region in Canada
- The server is executing the website's code, and is essentially a virtual computer

INFRASTRUCTURE: WEBSITE URL AND DNS

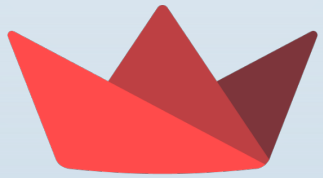
- You can access this portfolio at https://www.logan.pugsley.ca
- In the background, this URL uses a Domain Name System (DNS) Canonical Name (CNAME) record to forward you to an AWS Elastic Load Balancer
  - The load balancer sits between users and servers to distribute web traffic
- You are sent to a given port on an Elastic Compute Cloud (EC2) instance, where the portfolio website is running
- Using Amazon Certificate Manager (ACM), an Secure Sockets Layer (SSL) certificate allows you to securely connect to the EC2 instance



- Try it! Instead of www.logan.pugsley.ca go to 35.182.148.117:8501
  - Now, you've connected directly to the EC2 instance

CODE

- The code that produces this portfolio website was developed by me
- It runs on Python, a programming language
- The web front-end library used is called Streamlit, an open-source Python framework to deliver interactive apps



Streamlit

FURTHER READING

- https://aws.amazon.com/what-is-aws/
- https://aws.amazon.com/about-aws/global-infrastructure/regions_az/
- https://aws.amazon.com/ec2/
- https://aws.amazon.com/elasticloadbalancing/
- https://streamlit.io/

THANKS!

CONTACT ME: LOGAN@PUGSLEY.CA