GovCloud Onboarding Simulation

Built with CloudFormation | Diagrammed | Deployable

Purpose

Simulate secure, modular AWS GovCloud account onboarding using CloudFormation-based infrastructure patterns.

Architecture Overview

- Segmented VPCs: Dev / Shared / Prod

- Centralized AWS Transit Gateway

- Single Transit Gateway Route Table

- Route Propagation by Attachment

- Optional On-Premise via Direct Connect

What Was Built

- vpc-dev.yaml - Dev VPC (10.0.0.0/16)

- vpc-shared.yaml - Shared Services VPC (10.10.0.0/16)

- vpc-prod.yaml - Prod VPC (10.20.0.0/16)

- tgw-create.yaml - Transit Gateway

- tgw-attach-*.yaml - Attach VPCs to TGW

- tgw-route-*.yaml - Route table creation and propagation

Deployment

```
./deploy.sh
```

```
Manually update VPC/Subnet/TGW IDs before attaching or propagating
```

Tools Used

- AWS CloudFormation

- VS Code

- Git + GitHub

- Draw.io

- Shell scripting

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Time Spent

~6.5 hours total - planning, building, testing, diagramming, documenting.

Why This Matters

- Demonstrates CloudFormation fluency

- Mirrors segmentation and routing patterns

- Shows initiative and fast execution

- Packaged for clarity and reuse by others

GitHub Link

https://github.com/serversorcerer/govcloud-onboarding-framework