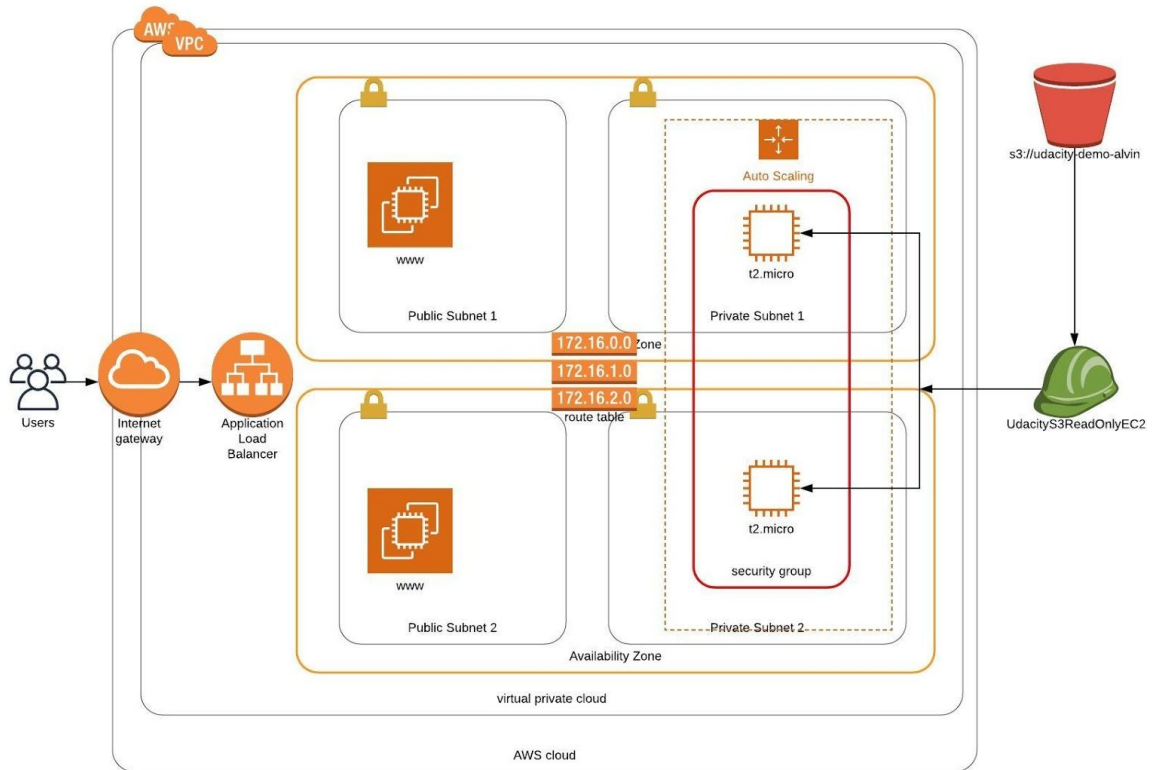# Deploy-a-High-Availability-Web-App-Using-CloudFormation

1. Infrastructure_Diagram:

2. Instruction to deploy:
./create.sh infra infra.yml infra-parameters.json
./create.sh UdagramApp server.yml server-parameters.json

3. Deploy complete:

4. Stack Info:

5. Stack Resource:

6. Stack output:

Stacks (3)

Filter by stack name

Active ▼ | View nested
< 1 >

UdagramApp
2020-03-31 00:03:59 UTC-0700
⊘ CREATE_COMPLETE

infra
2020-03-31 00:00:13 UTC-0700
⊘ CREATE_COMPLETE

**aws-cloud9-wdb-a1ab3ac28cad
4cd4b30a44d839cbd083**
2017-12-26 15:55:30 UTC-0800
⊘ CREATE_COMPLETE

UdagramApp

Delete | Update | Stack actions ▼ | Create stack ▼

Stack info | Events | Resources | **Outputs** | Parameters | Template | Change sets

Outputs (1)

Search outputs

Key ▲	Value ▽	Description ▽	Export name ▽
WebAppLB	http://WebAppLB-786754524.us-west-2.elb.amazonaws.com	The load balancer URL	UdagramProject-DNS-NAME

7. Stack Parameters:

Stacks (3)

Filter by stack name

Active ▼ | View nested
< 1 >

UdagramApp
2020-03-31 00:03:59 UTC-0700
⊘ CREATE_COMPLETE

infra
2020-03-31 00:00:13 UTC-0700
⊘ CREATE_COMPLETE

**aws-cloud9-wdb-a1ab3ac28cad
4cd4b30a44d839cbd083**
2017-12-26 15:55:30 UTC-0800
⊘ CREATE_COMPLETE

infra

Delete | Update | Stack actions ▼ | Create stack ▼

Stack info | Events | Resources | Outputs | **Parameters** | Template | Change sets

Parameters (6)

Search parameters

Key ▲	Value ▽	Resolved value ▽
EnvironmentName	UdagramProject	-
PrivateSubnet1CIDR	10.0.2.0/24	-
PrivateSubnet2CIDR	10.0.3.0/24	-
PublicSubnet1CIDR	10.0.0.0/24	-
PublicSubnet2CIDR	10.0.1.0/24	-
VpcCIDR	10.0.0.0/16	-

8. Load Balancer:

9. Listener:

10. Target Group:

11. Launch Configuration:

12. Auto Scaling Group:

ⓘ **Try the new design for Amazon EC2 Auto Scaling**
This older console is being replaced with the new EC2 Auto Scaling console. No new features or improvements will be made in this older console. Go to the new console.

Create Auto Scaling group Actions ⌄

Filter: 🔍 Filter Auto Scaling groups... ✕ |< < 1 to 1 of 1 Auto Scaling Groups > >|

☑	Name ▲	Launch Configuration / ▾	Instances ▾	Desired ▾	Min ▾	Max ▾	Availability Zones ▾	Default Cooldown ▾	Health Check Grac ▾
☑	UdagramApp-...	UdagramApp-WebApp...	3	3	3	5	us-west-2a, us-west-2b	300	0

Auto Scaling Group: UdagramApp-WebAutoScalingGroup-6WJLU5RFH1TG

Details | Activity History | Scaling Policies | Instances | Monitoring | Notifications | Tags | Scheduled Actions | Lifecycle Hooks

Launch Configuration ⓘ	UdagramApp-WebAppLaunchConfig-I663GDBUG686	**Availability Zone(s)** ⓘ	us-west-2a, us-west-2b
		Subnet(s) ⓘ	subnet-031984658bdb541d8,subnet-00e7d5e64c9999fc9
Desired Capacity ⓘ	3	**Classic Load Balancers** ⓘ	
Min ⓘ	3	**Target Groups** ⓘ	TargetGroup
Max ⓘ	5	**Health Check Type** ⓘ	EC2
		Health Check Grace Period ⓘ	0
		Instance Protection ⓘ	
		Termination Policies ⓘ	Default