**Assignment 3 Deliverables**

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**Github repo:** https://github.com/bhiranso/cit-360

**VPC Info**

|  |  |  |
| --- | --- | --- |
|  | **ID** | **CIDR** |
| **Default VPC** | vpc-92d212f5 | 172.31.0.0/16 |

**Subnet Information**

|  |  |  |
| --- | --- | --- |
| **Name** | **Subnet ID** | **CIDR** |
| public\_a | subnet-75af4212 | 172.31.0.0/24 |
| public\_b | |  |  | | --- | --- | | subnet-3bafab4d |  | | 172.31.1.0/24 |
| public\_c | subnet-4e146516 | 172.31.2.0/24 |
| private\_a | subnet-76af4211 | 172.31.4.0/22 |
| private\_b | subnet-38afab4e | 172.31.8.0/22 |
| private\_c | subnet-4d146515 | 172.31.12.0/22 |

**Routing Tables**

|  |  |  |
| --- | --- | --- |
| **Name** | **ID** | **Public / Private** |
| public\_routing\_table | rtb-3d3eb45a | public |
| private\_routing\_table | rtb-f03eb497 | private |

**Public Route Table**

|  |  |
| --- | --- |
| **Destination** | **Target** |
| 172.31.0.0/16 | local |
| 0.0.0.0/0 | [igw-7eea751a](https://us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#igws:filter=igw-7eea751a) |

**Private Route Table**

|  |  |
| --- | --- |
| **Destination** | **Target** |
| 172.31.0.0/16 | local |
| 0.0.0.0/0 | [nat-0039dddee22d5e590](https://us-west-2.console.aws.amazon.com/vpc/home?region=us-west-2#NatGateways:search=nat-0039dddee22d5e590) |

**Other services**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **ID** | **Route Table ID** |
| **Internet Gateway** | default\_ig | igw-7eea751a | default\_ig | rtb-f03eb497 |
| **NAT Gateway** | ngw | nat-0039dddee22d5e590 | rtb-f03eb497 |

**Bastion Instance**

|  |  |
| --- | --- |
| **Instance ID** | i-00d5ee5fd3454f911 |
| **Public IP Address** | 54.187.154.87 |
| **Private IP Address** | 172.31.0.168 |
| **AMI** | amzn-ami-hvm-2016.09.0.20161028-x86\_64-gp2 (ami-5ec1673e) |
| **Instance Type** | t2.micro |
| **Key pair** | Cit360.pem |

**Service ELB**

|  |  |
| --- | --- |
| **Name** | cit360-elb |
| **DNS Name** | cit360-elb-335445453.us-west-2.elb.amazonaws.com (A Record) |
| **Listener Port/Protocol** | **80 (HTTP) forwarding to 80 (HTTP)** |
| **Instance Port/Protocol** | **80 (HTTP) forwarding to 80 (HTTP)** |
| **Health Check** | |  |  |  | | --- | --- | --- | | **Ping Target** | HTTP:80/ | | | **Timeout** | 5 seconds | | | **Interval** | 30 seconds | | | **Unhealthy threshold** | 2 | | | **Healthy threshold** | 2 | | | **Unhealthy threshold** | 2 | | **Healthy threshold** | 2 | |
| **Subnets** | [subnet-3bafab4d - us-west-2b](https://console.aws.amazon.com/vpc/home?region=us-west-2#subnets:filter=subnet-3bafab4d), [subnet-4e146516 - us-west-2c](https://console.aws.amazon.com/vpc/home?region=us-west-2#subnets:filter=subnet-4e146516) |
| **Security Group** | [sg-21c6e258](https://console.aws.amazon.com/vpc/home?region=us-west-2#securityGroups:filter=sg-21c6e258), **elb-sg** |

**Service RDS**

|  |  |
| --- | --- |
| **Name** | db-cit360 |
| **Engine** | MariaDB |
| **Engine Version** | MariaDB 10.0.24 |
| **Username** | bhiranso |
| **Storage Size** | 5 GB |
| **Instance Type** | db.t2.micro |
| **Security Group** | [rds-sg (sg-2ec6e257)](https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#SecurityGroups:search=sg-2ec6e257)  ( active ) |

**Service Instances**

|  |  |
| --- | --- |
| **Name** | webserver-b |
| **Instance ID** | i-0649b8d09524856ee |
| **Security Group** | [web-server](https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#SecurityGroups:groupId=sg-20c6e259;sort=groupId) |
| **Private IP Address** | 172.31.9.148 |
| **AMI** | CentOS Linux 7 x86\_64 HVM EBS 1602-b7ee8a69-ee97-4a49-9e68-afaee216db2e-ami-d7e1d2bd.3 (ami-d2c924b2) |
| **Instance Type** | t2.micro |
| **Key pair** | Cit360.pem |
| **Service/Port** | TCP 80 TCP 22 |

|  |  |
| --- | --- |
| **Name** | webserver-c |
| **Instance ID** | i-0fcd16c416304a8d1 |
| **Security Group** | [web-server](https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#SecurityGroups:groupId=sg-20c6e259;sort=groupId) |
| **Private IP Address** | 172.31.13.160 |
| **AMI** | CentOS Linux 7 x86\_64 HVM EBS 1602-b7ee8a69-ee97-4a49-9e68-afaee216db2e-ami-d7e1d2bd.3 (ami-d2c924b2) |
| **Instance Type** | t2.micro |
| **Key pair** | Cit360.pem |
| **Service/Port** | TCP 80 TCP 22 |

**Terraform commands:**

**Creation:** terraform apply

**Deletion:** terraform destroy