

## EC2-instance with subnets public and private

The screenshot shows the AWS Management Console with the 'Instances' page selected. A table lists four instances: 'Ec2-terra-sam...', 'Terraform', 'private', and 'public'. The 'private' and 'public' instances are in a 'Running' state. A terminal window is open, showing the output of a Terraform command, indicating that resources were successfully created and applied.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Ec2-terra-sam...	i-00ab2851558314dac	Stopped	t2.micro	-	No alarms	us-east-1c	-
Terraform	i-060fa5735b6c5c3ab	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-54-236-87-1
private	i-0f3a684e3adabbbe1	Running	t2.micro	Initializing	No alarms	us-east-1b	-
public	i-099a9acee8502fcff	Running	t2.micro	Initializing	No alarms	us-east-1a	-

## Elastic-ip

The screenshot shows the AWS Management Console with the 'Elastic IP addresses' page selected. A table lists one Elastic IP address: '34.203.103.247' with a 'Public IP' type. A terminal window is open, showing the output of a Terraform command, indicating that resources were successfully created and applied.

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record	Associated Instance ID
34.203.103.247	34.203.103.247	Public IP	eipalloc-010fb272fb2608f47	-	-

## Vpc

The screenshot shows the AWS Management Console with the 'VPCs' page selected. A table lists two VPCs: 'Main' and 'vpc-0f68379acbf1183cc'. The 'Main' VPC is in an 'Available' state. A terminal window is open, showing the output of a Terraform command, indicating that resources were successfully created and applied.

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP Options Set
Main	vpc-010ddk95d1aec2fd3	Available	10.0.0.0/16	-	default-vpc
vpc-0f68379acbf1183cc	vpc-0f68379acbf1183cc	Available	172.31.0.0/16	-	default-vpc

## Destroyed

The screenshot shows the AWS Management Console with the 'Instances (4)' page. The instances listed are:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Ec2-terra-sam...	i-00ab2851558314dac	Stopped	t2.micro	-	No alarms	us-east-1c	-
Terraform	i-060fa5735b6c5c3ab	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-54-236-87-1
private	i-0f3a684e3adbabbel	Terminated	t2.micro	-	No alarms	us-east-1b	-
public	i-099a9acee8502fcff	Terminated	t2.micro	-	No alarms	us-east-1a	-

A terminal window shows the output of the Terraform destroy command:

```
aws_nat_gateway.NATgw: Destruction complete after 41s
aws_elb.nateIP: Destroying... [id=elb-010fb272fb2608f47]
aws_subnet.publicsubnets: Destruction complete after 0s
aws_elb.nateIP: Destruction complete after 0s
aws_internet_gateway.IGW: Destruction complete after 48s
aws_instance.private: Still destroying... [id=i-0f3a684e3adbabbel, 50s elapsed]
aws_security_group.httpssh: Destroying... [id=sg-0f4cdf39e80f8c71f]
aws_subnet.private: Destruction complete after 0s
aws_subnet.private: Destruction complete after 0s
aws_security_group.httpssh: Destruction complete after 0s
aws_vpc.Main: Destruction complete after 1s
Destroy complete! Resources: 13 destroyed.
ubuntu@ip-172-31-94-83:~/Terraform$
```

## RDS

The screenshot shows the AWS Management Console with the 'RDS > Databases' page. The database instance listed is:

DB identifier	Role	Engine	Region & AZ	Size	Status	CPU
terraform-2022032505231044840000001	Instance	MySQL Community	us-east-1f	db.t3.micro	Available	-

A terminal window shows the output of the Terraform create command:

```
aws_db_instance.default: Creating... [10s elapsed]
aws_db_instance.default: Still creating... [20s elapsed]
aws_db_instance.default: Still creating... [30s elapsed]
aws_db_instance.default: Still creating... [40s elapsed]
aws_db_instance.default: Still creating... [50s elapsed]
aws_db_instance.default: Still creating... [1m0s elapsed]
aws_db_instance.default: Still creating... [1m10s elapsed]
aws_db_instance.default: Still creating... [1m20s elapsed]
aws_db_instance.default: Still creating... [1m30s elapsed]
aws_db_instance.default: Still creating... [1m40s elapsed]
aws_db_instance.default: Still creating... [1m50s elapsed]
aws_db_instance.default: Still creating... [2m0s elapsed]
aws_db_instance.default: Still creating... [2m10s elapsed]
aws_db_instance.default: Still creating... [2m20s elapsed]
aws_db_instance.default: Still creating... [2m30s elapsed]
aws_db_instance.default: Still creating... [2m40s elapsed]
aws_db_instance.default: Still creating... [2m50s elapsed]
aws_db_instance.default: Still creating... [3m0s elapsed]
aws_db_instance.default: Still creating... [3m10s elapsed]
```

The screenshot shows the AWS Management Console with the 'RDS > Databases' page. The message 'No instances found' is displayed. A terminal window shows the output of the Terraform destroy command:

```
aws_db_instance.default: Still destroying... [id=terraform-2022032505231044840000001, 3m20s elapsed]
aws_db_instance.default: Still destroying... [id=terraform-2022032505231044840000001, 3m30s elapsed]
aws_db_instance.default: Still destroying... [id=terraform-2022032505231044840000001, 3m40s elapsed]
aws_db_instance.default: Still destroying... [id=terraform-2022032505231044840000001, 3m50s elapsed]
aws_db_instance.default: Still destroying... [id=terraform-2022032505231044840000001, 4m0s elapsed]
aws_db_instance.default: Still destroying... [id=terraform-2022032505231044840000001, 4m10s elapsed]
aws_db_instance.default: Still destroying... [id=terraform-2022032505231044840000001, 4m20s elapsed]
aws_db_instance.default: Still destroying... [id=terraform-2022032505231044840000001, 4m30s elapsed]
aws_db_instance.default: Still destroying... [id=terraform-2022032505231044840000001, 4m40s elapsed]
aws_db_instance.default: Destruction complete after 4m43s
Destroy complete! Resources: 1 destroyed.
ubuntu@ip-172-31-24-155:~/terraform/rds$
```

## IAM → test\_role

The screenshot shows the AWS IAM console with a list of roles. A terminal window is overlaid, displaying the Terraform commands and output for creating an IAM role.

```
ubuntu@ip-172-31-24-155: ~/iam
+ unique_id = (known after apply)
+ inline_policy {
+   name = (known after apply)
+   policy = (known after apply)
+ }
}
Plan: 1 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.
Enter a value: yes
aws_iam_role.test_role: Creating...
aws_iam_role.test_role: Creation complete after 0s [id=test_role]
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
ubuntu@ip-172-31-24-155:~/iam$
```

The background shows the AWS IAM console with a table of roles:

Role	Last activity
Role	9 days ago
Role	14 days ago
Role	9 days ago
Role	2 hours ago
Role	-
Role	42 minutes ago
Role	-
Role	-
Role	9 days ago
Role	8 days ago
test_role	-

## S3-bucket

The screenshot shows the AWS S3 console with a list of buckets. A terminal window is overlaid, displaying the Terraform commands and output for creating an S3 bucket.

```
ubuntu@ip-172-31-24-155: ~/s3
+ website_endpoint = (known after apply)
+ object_lock_configuration {
+   object_lock_enabled = (known after apply)
+   rule = (known after apply)
+ }
}
Plan: 1 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.
Enter a value: yes
aws_s3_bucket.my-s3-bucket: Creating...
aws_s3_bucket.my-s3-bucket: Creation complete after 0s [id=my-s3bucket-20220325060048609500000001]
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
ubuntu@ip-172-31-24-155:~/s3$
```

The background shows the AWS S3 console with a table of buckets:

Name	AWS Region	Access	Creation date
my-s3bucket-20220325060048609500000001	US East (N. Virginia) us-east-1	Objects can be public	March 25, 2022, 11:30:49 (UTC+05:30)