

## Cloudgoat - glue\_privesc

progress report

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|--------|-----------------------|
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## 1. Install scenario

Before installation, it is necessary to modify the configuration file first.

Creating the scenario directly will result in errors because the PostgreSQL engine version is not specified.

To resolve this issue, set the version to 16.3 in the rdf.tf file and save it.

After, initialize Terraform and install the scenario.

```
resource "aws_db_instance" "cg-rds" {
  allocated_storage = 20
                      = "gp2"
  storage_type
                      = "postgres"
  engine
 engine_version = "16.3"
instance_class = "db.t3.micro"
  db_subnet_group_name = aws_db_subnet_group.cg-rds-subnet-group.id
                      = var.rds-database-name
  db name
                      = var.rds_username
  username
  password
                      = var.rds_password
  parameter_group_name = "default.postgres16"
  publicly_accessible = false
  skip_final_snapshot = true
```

Figure 1 - rdf.tf setting

```
(.venv) rhgusehddd@rhgusehddd-virtual-machine:-/Desktop/cloudgoat/scenarios/glue_privesc/terraform init Initializing the backend...
Initializing provider plugins...
- Finding latest version of hashicorp/local...
- Finding hashicorp/aws versions matching ">= 5.0.0"...
- Finding hashicorp/archive versions matching ">= 2.4.0"...
- Finding hashicorp/archive versions matching ">= 2.4.0"...
- Installed hashicorp/local v2.5.1 (Signed by HashiCorp)
- Installed hashicorp/aws v5.62.0 (Signed by HashiCorp)
- Installed hashicorp/aws v5.62.0 (Signed by HashiCorp)
- Installed hashicorp/archive v2.5.0 (Signed by HashiCorp)
- Installed ha
```

Figure 2 - terraform init & glue\_privesc install



Once the installation is complete without errors, it can be verified by checking the AWS account to see that instances for the scenario have been created.

```
aws_s3_bucket_notification.bucket_notification: Creation complete after 3s [id=cg-data-from-web-glue-privesc-cgid5u2e3iaex1]
aws_instance.cg-linux-ee2: Still creating... [30s elapsed]
aws_instance.cg-linux-ee2: Still creating... [40s elapsed]
aws_instance.cg-linux-ee2: Still creating... [40s elapsed]
aws_instance.cg-linux-ee2: Provisioning with 'file'...
aws_instance.cg-linux-ee2: Still creating... [50s elapsed]
aws_instance.cg-linux-ee2: Provisioning with 'file'...
aws_instance.cg-linux-ee2: Still creating... [10nos elapsed]
aws_instance.cg-linux-ee2: Still creating... [10nos elapsed]
aws_instance.cg-linux-ee2: Creation complete after 1m2s [id=i-081e3800fb575a51c]

Apply complete! Resources: 59 added, 0 changed, 0 destroyed.

Outputs:

cg_web_site_ip = "3.81.164.178"
cg_web_site_ip = "3.81.164.178"
cg_web_site_port = 5000

[cloudgoat] terraform output completed with no error code.
cg_web_site_ip = 3.81.164.178
cg_web_site_ip = 3.81.164.178
cg_web_site_port = 5000

[cloudgoat] Output file written to:
    /home/rhgusehddd/Desktop/cloudgoat/glue_privesc_cgid5u2e3iaexl/start.txt

(.venv) rhgusehddd@rhgusehddd-virtual-machine:~/Desktop/cloudgoat$
```

Figure 3 - glue\_privesc install



Figure 4 - AWS Instance

```
cg_web_site_ip = "3.81.164.178"
cg_web_site_port = 5000
[cloudgoat] terraform apply completed with no error code.
```

Figure 5 - site IP / port

When the scenario is installed correctly, it will provide a site IP address and port, as shown in the figure. Accessing this site should display a window similar to "Figure 6" below. If the instance is running correctly, it should be possible to access the site. Therefore, any issues related to this should be resolved first.



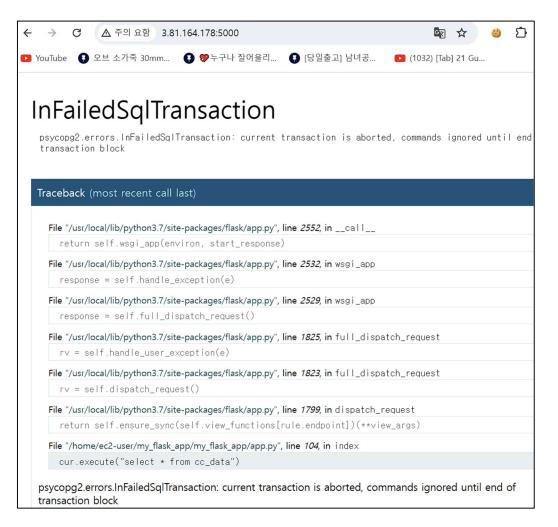


Figure 6 - site access

The subsequent tasks involve ensuring that the site is running correctly and analyzing the scenariospecific attacks and logs to identify the attacks.

