A quick Readme file for postgresql server setup in an multi-tier architecture using ansible, packer and terraform on AWS.

Base OS AMI : Ubuntu Server 16.04 LTS (HVM), SSD Volume Type - ami-835b4efa

File information:

1: ansible.yml: Ansible script to

* install postgresql-9.5
* Change listening port to 9988
* Create database: pex\_db
* Create 3 users “test” “24223” “parabola”

2: template.json: Packer template to

* Install python2.7
* Install ansible2.0
* Build an AWS AMI and run the ansible playbook to install and configure postgresql server
* Repack the configuration onto new AWS AMI

3: main.tf : Terraform configuration file to

* Manage credentials required for AWS resources
* Module to build VPC
* Module to build Bastion host for public access
* Security groups to configure for bastion host
* Security groups to configure for private instances
* Resource to build postgresql private instances