

## Enabling access to vPostgres Database:

First, log into the vRA appliance or SSH to it using root account.

Next edit pg\_hba.conf file  
vi /storage/db/pgdata/pg\_hba.conf

Check for the presence of the line

```
local all postgres trust
```

What this enables, is using the local machine you can use vcac user to login to the database. Since I wanted to access it remotely, I added the following line:

```
host all all 10.110.23.148/24 trust
```

The above line allows any user from the machine 10.110.23.148 to connect to the database.

In the next step, edit the postgresql.conf file.

```
vi /storage/db/pgdata/postgresql.conf
```

In that file add the following line

```
#listen_addresses = 'localhost' # what IP address(es) to listen on;  
listen_addresses = '*'
```

What I am doing here, is listening to everything.

The above steps will let me connect to the database from my machine at 10.110.23.148.

Get the vcac user password:

In the next stage, we need to get the password for the vcac user. Detailed steps for doing so is provided in this [VMware KB article](#).

Run the following command

```
cat /etc/vcac/server.xml |grep password="*"
```

You get an output similar to:

```
<Resource abandonWhenPercentageFull=?0? auth=?Container? driverClassName=?org.postgresql.Driver?  
factory=?com.vmware.vcac.tools.tomcat.db.CafeEncryptedDataSourceFactory? fairQueue=?false? initialSize=?10?  
jdbcInterceptors=?ResetAbandonedTimer? jmxEnabled=?true? logAbandoned=?true? logValidationErrors=?true?  
maxActive=?100? maxIdle=?20? maxWait=?120000? minEvictableIdleTimeMillis=?60000? minIdle=?10? name=?jdbc/cafe?  
password=?s2enc~646fCCJWPaSYJe91XKBpkrc1E+3N83n7ZIF3a+PGEaI=? removeAbandoned=?true?  
removeAbandonedOnBorrow=?true? removeAbandonedOnMaintenance=?true? removeAbandonedTimeout=?240?  
suspectTimeout=?60? testOnBorrow=?true? testOnReturn=?false? testWhileIdle=?true?  
timeBetweenEvictionRunsMillis=?30000? type=?javax.sql.DataSource? url=?jdbc:postgresql://127.0.0.1:5433/vcac?  
username=?vcac? validationInterval=?30000? validationQuery=?select 1? validationQueryTimeout=?2?/>
```

Note the encrypted value after the password field. In this case the value is

**?s2enc~646fCCJWPaSYJe91XKBpkrc1E+3N83n7ZIF3a+PGEaI=?**. In the next step we will find the actual password.

```
/usr/lib/vcac/tools/config/bin/vcac-config prop-util -d --p s2enc~646fCCJWPaSYJe91XKBpkrc1E+3N83n7ZIF3a+PGEaI= | less
```

This will give you the password.

Connecting to vPostgres using pgAdmin:

Now all that is left is to connect to the database using the user id and password. Create a new connection to the vPostgres database and connect to it. Post connection it looks like the following: