C H A P T E R 11: Connection Pooling on the Cloud

Installation of PgBouncer

# yum install https://download.postgresql.org/pub/repos/yum/9.6/redhat/rhel-7-x86\_64/pgdg-centos96-9.6-3.noarch.rpm

[root@localhost yum.repos.d]# ls -alrth | head -4

# yum list pgbouncer   
# yum install pgbouncer –y  
# su - pgbouncer

$ pgbouncer --version

mkdir -p /var/log/pgbouncer/  
mkdir -p /var/run/pgbouncer/  
chown -R pgbouncer:pgbouncer /etc/pgbouncer/  
chown -R pgbouncer:pgbouncer /var/log/pgbouncer/  
chown -R pgbouncer:pgbouncer /var/run/pgbouncer/

$ cat /etc/pgbouncer/pgbouncer.ini

select '"'||usename||'" "'||passwd||'"' from pg\_shadow;

# service pgbouncer start   
$ pgbouncer -d /etc/pgbouncer/pgbouncer.ini

Connection pooling for Google Cloud instances

<bean id="dsSearchIndex" class="org.apache.commons.dbcp.BasicDataSource" destroy-method="close">

<property name="driverClassName" value="com.google.appengine.api.rdbms.AppEngineDriver"/>

<property name="url" value="jdbc:google:rdbms://xxxx.com:web-prod:searchindex/ctssearchidx"/>

<property name="username" value="xxx"/>

<property name="password" value="xxx"/>

<property name="testOnBorrow" value="true"/>

<property name="validationQuery" value="select 1"/>

</bean>

<bean id="tmSearchIndex" class="org.springframework.jdbc.datasource.DataSourceTransactionManager">

<property name="dataSource" ref="dsSearchIndex"/>

<qualifier value="searchIndex"/>

</bean>

<tx:annotation-driven mode="aspectj" transaction-manager="tmSearchIndex" />

<bean id="daoSearchIndex" class="com.commentous.searchindex.SearchIndexJdbcDao">

<property name="dataSource" ref="dsSearchIndex"/>

</bean>