# Postgresql

## 在VMware安装Postgresql

1. 修改监听：sudo vi /etc/postgresql/10/main/postgresql.conf

将 #listen\_addresses = ‘localhost’ 的注释去掉并改为 listen\_addresses= ‘\*’

1. 修改可访问用户的IP段：sudo vi /etc/postgresql/10/main/pg\_hba.conf

在文件末尾添加： host all all 0.0.0.0 0.0.0.0 md5 ，表示允许任何IP连接

## Postgresql几个命令

sudo /etc/init.d/postgresql restart/stop/start/

# 测试连接

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| --- |
| **import** psycopg2  conn = psycopg2.connect(database=**"postgres"**,user=**"postgres"**,password=**"..."**, host=**"192.168.40.129"**, port=**"5432"**) cur = conn.cursor() print(cur) |

# 测试查询性能

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| --- |
| **import** psycopg2 **import** random  conn = psycopg2.connect(database=**"postgres"**,user=**"postgres"**,password=**"..."**, host=**"192.168.40.129"**, port=**"5432"**) cur = conn.cursor() cur.execute(**"select jdoc->'name' from api"**) rows = cur.fetchall() names = set() **for** i **in** range(0, len(rows)):  names.add(rows[i][0]) *# cur.execute("drop table api") # cur.execute("create table api(jdoc jsonb);")* cur.execute(**"create unique index on api ((jdoc->'name'))"**) *# names = set()* print(names) print(len(names)) *# for i in range(3000000-len(names)): # name = "".join(random.sample('zyxwvutsrqponmlkjihgfedcba',26)) # school = "".join(random.sample('zyxwvutsrqponmlkjihgfedcba',26)) # # print(name,school) # if not name in names: # names.add(name) # cur.execute("insert into api(jdoc) values('{\"name\": \"" +name + "\",\"school\":\"" + school + "\"}');") #* tol\_time = 0 **for** i **in** range(1000):  name = list(names)[random.randint(1, len(names))]  *#print(name)* cur.execute(**"explain analyze select jdoc->'name' from api where jdoc @> '{\"name\":"** +**"\""** +name+**"\"}'"**)  rows = cur.fetchall()  time = float(rows[-1][0][16:-3])  tol\_time = tol\_time + time  print(time)  print(tol\_time/1000) conn.commit() conn.close() print(cur) |

# Json



（<https://www.cnblogs.com/alianbog/p/5658156.html>）

<https://yq.aliyun.com/articles/647475>

# 测试性能

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