



X10000 G3存储安装handy包提示错误:ERROR: Port 5432 is already in use,
Please check which process is occupied and stop it

安装扩容

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组网及说明

X10000标准组网。

告警信息

集群已经成功部署，在另一个节点安装Handy包，准备部署Handy HA，在安装Handy时提示报错：ERROR: Port 5432 is already in use, Please check which process is occupied and stop it.

报错截图如下：

```
[root@node3 product]# bash install.sh

[Install] -----
[Install] product: UniStor-R1531P03 Storage
[Install] current os: CentOS Linux release 7.5.1804 (Core)
[Install] current kernel: 4.14.0-49.h122.x86_64
[Install] -----
[Install] WARNING: Please read the following contents carefully before installation:
[Install] * [1] This product supports only 'CentOS 7.5', 'CentOS 7.6' and 'Kylin 4.0.2' system
[Install] * [2] Do not interrupt this installation procedure, unless you know what you are doing
[INFO] I accept and continue?(Yes|No) : yes
[Install] Environment check ...
[Install] user check.
[Install] ok
[Install] check if product is installed.
[Install] ok
[Install] check if installation path is legal.
[Install] ok
[Install] check if cluster is already exist.
[Install] WARNING: Ceph cluster already exist, are you going to create Handy HA?
[INFO] I accept and continue?(Yes|No) : yes
[Install] Local release version: UniStor-R1531P03
[Install] Product release version: UniStor-R1531P03
[Install] check system disk space.
[Install] space left on system fs is 385G.
[Install] ok
[Install] check process remaining.
[Install] ok
[Install] check port using.
[Install] ERROR: Port 5432 is already in use, Please check which process is occupied and stop it.
```

问题描述

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过程分析

1、使用命令 `netstat -anp |grep 5432` 查看5432端口占用进程：

```
[root@X1 ~]# netstat -anp |grep 5432
tcp        0      1 0.0.0.0:5432 0.0.0.0:*        LISTEN      617654/python
tcp        0      1 0.0.0.0:5432 0.0.0.0:*        LISTEN      606089/python
tcp        0      1 0.0.0.0:5432 0.0.0.0:*        LISTEN      616227/python
tcp        0      1 0.0.0.0:5432 0.0.0.0:*        LISTEN      625292/python2.7
tcp        0      1 0.0.0.0:5432 0.0.0.0:*        LISTEN      618076/python
tcp        0      1 0.0.0.0:5432 0.0.0.0:*        LISTEN      609453/python
tcp        0      1 0.0.0.0:5432 0.0.0.0:*        LISTEN      619141/python
[...]
```

2、发现这些进程在被27.0.0.1，同时使用 `ps -elf |grep pid` (pid为进程id号，请根据实际情况修改)，发现prometheus-node进程号一直在变化。

3、使用 `supervisorctl status` 命令观察prometheus-node进程在反复重启，（可观察如图进程运行时间）

```
[root@X1 ~]# supervisorctl status
onestor-bm          RUNNING      pid 454518, uptime 0:19:26
onestor-csc         RUNNING      pid 454515, uptime 0:19:26
onestor-mr          RUNNING      pid 454512, uptime 0:19:26
onestor-nm          RUNNING      pid 454519, uptime 0:19:26
onestor-peon        RUNNING      pid 454517, uptime 0:19:26
onestor-sub         RUNNING      pid 454516, uptime 0:19:26
onestor-tier        RUNNING      pid 454510, uptime 0:19:26
onestor-worker      RUNNING      pid 454514, uptime 0:19:26
prometheus-node     RUNNING      pid 680426, uptime 0:00:12
[...]
```

4、基本可以判定是由于prometheus-node进程在反重启占用5432端口导致，结合第一步看到的ip地址27.0.0.1，想到回环地址127.0.0.1，且本节点进程应该是本节点自己占用，故排查etc/hosts文件中的回环地址是否正确。查看现场的etc/hosts回环地址，可以看到如图，其地址被篡改为27.0.0.1，故造成了上述问题。

```
prometheus-node     RUNNING      pid 741730, uptime 0:00:04
[...]
```

解决方法

修改etc/hosts配置文件，修改其回环地址为正确的127.0.0.1，然后重启supervisorctl服务，重启命令为：
： supervisorctl restart all （该命令会中断handy界面正在下发的配置流程业务，不会影响已有的生产业务。）

