

嘗試連線Rabbit時如何在CCO中求解錯誤「連線被拒絕」

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簡介

本文描述在嘗試連線到Rabbit時，如何解決CiscoCloud Orchestrator(CCO)中的「連線被拒絕」錯誤

必要條件

需求

- 本檔案中的資訊是根據CloudCenter 4.x
- Cisco Cloud Orchestrator(CCO)
- Rabbit伺服器(AMQP)
- 對CCO和AMQP的根訪問許可權

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除 (預設) 的組態來啟動。如果您的網路正在作用，請確保您已瞭解任何指令可能造成的影響。

問題

在新部署中或在更改Rabbit伺服器主機名後，CCO此時會收到錯誤，從而與Rabbit建立握手，錯誤如下

```
2018-04-17 23:58:52,180 ERROR listener.SimpleMessageListenerContainer [rabbitListenerContainer-1] - Failed to check/redeclare auto-delete queue(s).
org.springframework.amqp.AmqpConnectException: java.net.ConnectException: Connection refused
(Connection refused)
    at
org.springframework.amqp.rabbit.support.RabbitExceptionTranslator.convertRabbitAccessException(RabbitExceptionTranslator.java:62) ~[spring-rabbit-1.7.4.RELEASE.jar!/:?]
    at
org.springframework.amqp.rabbit.connection.AbstractConnectionFactory.createBareConnection(AbstractConnectionFactory.java:368) ~[spring-rabbit-1.7.4.RELEASE.jar!/:?]
    at
org.springframework.amqp.rabbit.connection.CachingConnectionFactory.createConnection(CachingConnectionFactory.java:573) ~[spring-rabbit-1.7.4.RELEASE.jar!/:?]
    at
org.springframework.amqp.rabbit.core.RabbitTemplate.doExecute(RabbitTemplate.java:1430)
```

```

~[spring-rabbit-1.7.4.RELEASE.jar!/:?]
    at org.springframework.amqp.rabbit.core.RabbitTemplate.execute(RabbitTemplate.java:1411)
~[spring-rabbit-1.7.4.RELEASE.jar!/:?]
    at org.springframework.amqp.rabbit.core.RabbitTemplate.execute(RabbitTemplate.java:1387)
~[spring-rabbit-1.7.4.RELEASE.jar!/:?]
    at
org.springframework.amqp.rabbit.core.RabbitAdmin.getQueueProperties(RabbitAdmin.java:336)
~[spring-rabbit-1.7.4.RELEASE.jar!/:?]
    at
org.springframework.amqp.rabbit.listener.SimpleMessageListenerContainer.redeclareElementsIfNecessary(SimpleMessageListenerContainer.java:1171) [spring-rabbit-1.7.4.RELEASE.jar!/:?]
    at
org.springframework.amqp.rabbit.listener.SimpleMessageListenerContainer$AsyncMessageProcessingConsumer.run(SimpleMessageListenerContainer.java:1422) [spring-rabbit-1.7.4.RELEASE.jar!/:?]
    at java.lang.Thread.run(Thread.java:748) [?:1.8.0_162]
Caused by: java.net.ConnectException: Connection refused (Connection refused)
    at java.net.PlainSocketImpl.socketConnect(Native Method) ~[?:1.8.0_162]
    at java.net.AbstractPlainSocketImpl.doConnect(AbstractPlainSocketImpl.java:350)
~[?:1.8.0_162]
    at java.net.AbstractPlainSocketImpl.connectToAddress(AbstractPlainSocketImpl.java:206)
~[?:1.8.0_162]
    at java.net.AbstractPlainSocketImpl.connect(AbstractPlainSocketImpl.java:188)
~[?:1.8.0_162]
    at java.net.SocksSocketImpl.connect(SocksSocketImpl.java:392) ~[?:1.8.0_162]
    at java.net.Socket.connect(Socket.java:589) ~[?:1.8.0_162]
    at sun.security.ssl.SSLSocketImpl.connect(SSLSocketImpl.java:673) ~[?:1.8.0_162]
    at
com.rabbitmq.client.impl.SocketFrameHandlerFactory.create(SocketFrameHandlerFactory.java:50)
~[amqp-client-4.0.3.jar!/:4.0.3]
    at com.rabbitmq.client.ConnectionFactory.newConnection(ConnectionFactory.java:907)
~[amqp-client-4.0.3.jar!/:4.0.3]
    at com.rabbitmq.client.ConnectionFactory.newConnection(ConnectionFactory.java:859)
~[amqp-client-4.0.3.jar!/:4.0.3]
    at com.rabbitmq.client.ConnectionFactory.newConnection(ConnectionFactory.java:799)
~[amqp-client-4.0.3.jar!/:4.0.3]
    at
org.springframework.amqp.rabbit.connection.AbstractConnectionFactory.createBareConnection(AbstractConnectionFactory.java:352) ~[spring-rabbit-1.7.4.RELEASE.jar!/:?]
    ... 8 more

```

解決方案

步驟1.登入Rabbit伺服器

步驟2.列出Rabbit伺服器中的連線

```

[root@rabbit-490 ~]# rabbitmqctl list_connections -p /cliqr
Listing connections

```

步驟3.找到RABBITINSTALLED檔案

```

[root@rabbit-490 ~]# ls -lrt /usr/local/osmosix/etc/.RABBITINSTALLED
-rw-r--r-- 1 root root 0 Apr 17 23:40 /usr/local/osmosix/etc/.RABBITINSTALLED

```

步驟4.移除檔案。

```

[root@rabbit-490 ~]# rm -rf /usr/local/osmosix/etc/.RABBITINSTALLED
[root@rabbit-490 ~]# ls -lrt /usr/local/osmosix/etc/.RABBITINSTALLED
[root@rabbit-490 ~]#

```

步驟5.運行檔案rabbit_config.sh

```
[root@rabbit-490 ~]# cd /usr/local/cliqr/bin/
root@rabbit-490 bin]# ls -lrt
total 80
-rwxr-xr-x 1 cliqruser cliqruser 23235 Apr  9 16:12 wizard_util.sh
-rwxr-xr-x 1 cliqruser cliqruser 12133 Apr  9 16:12 props_migration_481_to_482.sh
-rw-r--r-- 1 cliqruser cliqruser   236 Apr  9 16:12 props_481_to_482_rabbit.csv
-rwxr-xr-x 1 cliqruser cliqruser  4004 Apr  9 16:12 gua_config_wizard.sh
-rwxr-xr-x 1 cliqruser cliqruser  3553 Apr  9 16:12 gua_config_cli.sh
-rwxr-xr-x 1 cliqruser cliqruser  8966 Apr 10 02:40 rabbit_config_cli.sh
-rwxr-xr-x 1 cliqruser cliqruser  9394 Apr 10 02:40 rabbit_config_wizard.sh
-rwxr-xr-x 1 cliqruser cliqruser  1290 Apr 10 02:41 rabbit_config.sh
-rwxr-xr-x 1 cliqruser cliqruser   279 Apr 10 02:41 startup_services.sh
[root@rabbit-490 bin]# ./rabbit_config.sh
Adding vhost /cliqr
Creating vhost "/cliqr"
Adding user cliqr
Creating user "cliqr"
Setting permissions for user "cliqr" in vhost "/cliqr"
Setting cliqr as admin
Setting tags for user "cliqr" to [administrator]
Enable management plugin
Plugin configuration unchanged.
```

Applying plugin configuration to rabbit@rabbit-490... nothing to do.

```
Adding cliqr_worker
Creating user "cliqr_worker"
Setting permissions for user "cliqr_worker" in vhost "/cliqr"
```

步驟6.以根使用者身份登入CCO

步驟7.重新啟動CCO服務

```
[root@cco-490 ~]# systemctl start cco
[root@cco-490 ~]#
```

步驟8.驗證CCO是否正在運行

```
[root@cco-490 ~]# systemctl status cco
cco.service - Cloud Center Orchestrator
   Loaded: loaded (/etc/systemd/system/cco.service; enabled; vendor preset: disabled)
   Active: active (exited) since Wed 2018-04-18 22:02:09 UTC; 5min ago
   Process: 3329 ExecStart=/bin/true (code=exited, status=0/SUCCESS)
   Main PID: 3329 (code=exited, status=0/SUCCESS)
     Tasks: 0
    Memory: 0B
    CGroup: /system.slice/cco.service
```

Apr 18 22:02:09 cco-490 systemd[1]: Starting Cloud Center Orchestrator...

Apr 18 22:02:09 cco-490 systemd[1]: Started Cloud Center Orchestrator.

```
[root@cco-490 ~]#
```

步驟9.以root身份登入rabbit

步驟10.列出連線數

```
[root@rabbit-490 bin]# rabbitmqctl list_connections -p /cliqr
Listing connections
```

cliqr_worker10.31.127.2450556running

cliqr10.31.127.2450568running

現在您可以看到從CCO、cliqr_worker和cliqr進行連線。