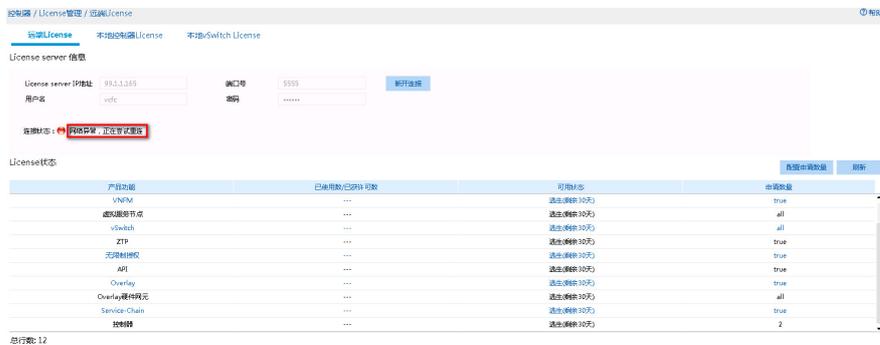


### 组网及说明

无

### 问题描述

登录VCFC后,发现VCFC进入了逃生模式,在“控制器 / License管理 / 远端License”路径下查看VCFC连接License Server的状态,发现连接状态提示“网络异常,正在尝试连接”,如下图所示:



用License Server的虚IP登录License Server,发现提示“请访问HA主License Server或虚IP地址”,如下图所示:



### 过程分析

现场的VCFC虚IP和License Server的虚IP是冲突的,均为99.1.1.165。当前VCFC的主设备IP为99.1.1.163,License Server的主设备IP为99.1.1.164。如下图所示:



## HA 配置信息



因此怀疑是虚IP分别下发到两台成员设备上，出现了IP冲突，导致了VCFC连接License Server异常。在两台成员设备上均执行ip address命令，发现的确均存在99.1.1.165这个虚IP。如下图所示：

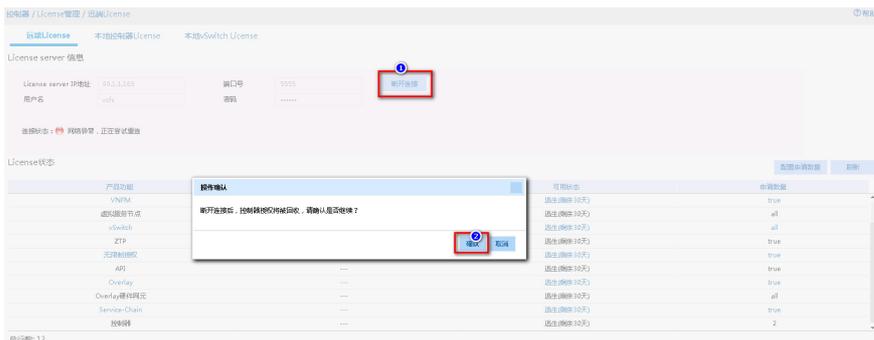
```
[root@localhost ~]# ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP ql
en 1000
    link/ether 0c:da:41:1d:0f:b7 brd ff:ff:ff:ff:ff:ff
    inet 99.1.1.163/24 brd 99.1.1.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet 99.1.1.165/32 scope global eth0:0
        valid_lft forever preferred_lft forever
    inet6 fe80::b4fe:e115:30da:6b7c/64 scope link
        valid_lft forever preferred_lft forever
[root@localhost ~]#
```

```
[root@localhost ~]# ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP ql
en 1000
    link/ether 0c:da:41:1d:ce:f8 brd ff:ff:ff:ff:ff:ff
    inet 99.1.1.164/24 brd 99.1.1.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet 99.1.1.165/32 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::84a9:e336:b49d:d2ec/64 scope link
        valid_lft forever preferred_lft forever
[root@localhost ~]#
```

## 解决方法

为了解决VCFC虚IP和License Server虚IP冲突这个问题，现将解决方法进行如下介绍：

(1) 在VCFC的“控制器 / License管理 / 远端License”路径下，点击“断开连接”，将VCFC和License Server断开，如下图所示：



(2) 在备License Server后台将License Server卸载，如下图所示：

```
99.1.1.163 |
[root@localhost ~]# rpm -qa | grep lic
selinux-policy-3.13.1-102.el7.noarch
selinux-policy-targeted-3.13.1-102.el7.noarch
policycoreutils-2.5-8.el7.x86_64
license-server-1142-1.el7.centos.x86_64
bind-license-9.9.4-37.el7.noarch
wpa_supplicant-2.0-20.el7.x86_64
[root@localhost ~]# rpm -e license-server
/opt/LicServer/redis/etc/redis.conf
Do you really want to uninstall license-server? (y/n, default:y) :
Do you want to backup the configuration? (y/n, default:y) :
Uninstalling license-server...
Redirecting to /bin/systemctl stop licskeepalived.service
Redirecting to /bin/systemctl stop licsmonitor.service
Stopping licstomcat (via systemctl): [ OK ]
Redirecting to /bin/systemctl stop licscore.service
Redirecting to /bin/systemctl stop licsredis.service
[root@localhost ~]#
```

(3) 在主License Server前台的“HA”页签下，点击“删除”，将License Server的HA地址删除，如下图所示：



(4) 在备License Server后台，重新安装License Server，如下图所示：

```
99.1.1.163 |
[root@localhost ~]# rpm -ivh LICENSE_SERVER-E1142.rpm
Preparing... ##### [100%]
Updating / installing...
 1:license-server-1142-1.el7.centos ##### [100%]
/opt/LicServer/redis/etc/redis.conf
Now start install JDK...
JDK installed successfully.
Set licstomcat environment successfully.
License-server web module installed. successfully.
Configure environment successfully.
Redirecting to /bin/systemctl start licsredis.service
Starting licstomcat (via systemctl): [ OK ]
Redirecting to /bin/systemctl start licsmonitor.service
Start lics services in ha mode
Redirecting to /bin/systemctl start licskeepalived.service
```

(5) 在主License Server前台的“HA”页签下，重新配置一个新的虚拟IP地址，不能与VCFC的集群IP地址冲突，如下图所示：



(6) 在VCFC的“控制器 / License管理 / 远端License”路径下，使用新的License Server虚拟IP地址与License Server建立连接，如下图所示：

The screenshot shows the 'License server 信息' (License server information) configuration page. A red box highlights the input fields for 'License server IP地址' (99.1.1.168), '用户名' (vfc), '端口号' (9355), and '密码' (\*\*\*\*\*). Below the form, the 'License 状态' (License status) table is visible, showing various components and their license status.

产品功能	已使用/总/已使用/可取	可用性	许可证
VNFM	---	试用/剩余(17天)	true
虚拟服务节点	---	试用/剩余(17天)	all
vSwitch	---	试用/剩余(17天)	all
ZTP	---	试用/剩余(17天)	true
无线网络	---	不可用	true
AP	---	试用/剩余(17天)	true
Overlay	---	试用/剩余(17天)	true
Overlay/弹性网络	---	试用/剩余(17天)	all
Service-Chain	---	试用/剩余(17天)	true
控制器	2/2	可用	2

进行如上操作后，此前获取的授权不会丢失，仍可以正常获取。（如果是新开局局点，千万不要将VCFC的集群IP和License Server的HA地址配置冲突，以免出现业务影响。）