## 🗩 CAS集群虚拟机状态显示橙色,点击虚拟机提示处理HA异常

戴丽丽 2021-03-14 发表

组网及说明

无

集群下所有虚拟	以机显示	橙色状态, 月	点击概要界面虚拟机状态显示"HA异常",点击处理提示:HA拷贝							
件错误,虚拟机业务正常										
<ul> <li>B.</li> <li>B.</li> </ul>	16.2 2010	CentOS Linux release 7.4.1708 (Core)	IP9552 : 192.168.110.223 VLAN : 3110	. 0	(2)(2)(2) : (DE (7)(2)(2) :		Reserved i FOC Trialmed i			

8	存储	1.05TB	1001310	<b>v</b>	1714.0112	<b>w</b>			
L.	CAStools	● 還行							
	CAStools 版本	3.0.6.0	CPU利用車		内存利用率				
B.	8(181)/0	2020-04-20 15:45:02	100%		100%	102%			
	运行时间	323天19小377分钟			0.064				
• 📙 est	控制台	VNC			0010				
8	VNCBRD	5900	60%		60%				
-	服用VNO代理	8	40%		40%				
	自动迁移	ă.	20%		20%				
R. 5145.0400 333	保护模式	不會用 商級值息	0% 10.56 11.00 11.05 11.15 11.20	11:26	0% 10.56 11:00	11:05 11:10	11:15 11:20	11.26	
任务台								×	
4980 BO									
March and the state of the		100%	处理虚拟机"zjoproject01-110.223"HA异常先致。原因:HA建筑文件错误	admin		2021-03-10 11:24:10	2021-03-10 11:24:10	🔕 9.5%	
Research 10		100%	集群"Zuli-cluster-OT"图用HA部分成功,原因:部分主机建设盘标机配置文件失败,请处于HA异常的…	admin		2021-03-10 11:22:34	2021-03-10 11:22:39	💙 #9.023	
States and the states of the s		102%	興辭"2.8-cluster-01"服用HA成功。	admin		2021-03-10 11 22:27	2021-03-10 11:22:28	🔿 1520 👌	
		100%	处理虚拟的Timus7.4THA屏莱先党。原因:HA排贝文件接关	admin		2021-03-10 11 22:04	2021-03-10 11:22:04	<b>〇</b> 先放	

过程分析
1、首先排查后台修改root密码原因,集群所有主机下虚拟机状态都显示橙色异常;
2、执行"service cvm_ha status"和"service cvk_ha status"查看各个主机的HA功能状态是否正常;
3、集群HA功能正常开启后,HA会在后台拷贝所有虚拟机的配置信息,如果环境异常会导致HA功能在
拷贝同步虚拟机配置信息时出错,尝试关闭集群HA,重新开启HA功能,提示:部分主机拷贝虚拟机配
置文件失败,请处理HA异常虚拟机。尝试重启cvm_ha和cvk_ha后故障依旧,日志中有如下报错:
2021-03-10 11:16:16 [ERROR] [Domain Request Processor Manager 3] [com.virtual.plat.server.vm.sah.ScpFromUtil::copyThrowException] null jawa.io.FileNotFoundException: /etc/vwn/a/20/vwnode034/Cloud05cp-200.194.xml (No such file or directory) at jawa.io.FileNotUstTeram.open(Native Method) = {71:7.0, 2111] at jawa.io.FileOutstTeram.open(Native Method) = {71:7.0, 2111]



4、在CVM后台执行命令cha get-perf-data host –m, 查看是否有报错,如果返回错误,则说明是个已知问题,可以通过重启cas\_mon解决。环境中执行该命令,返回结果正常:



5、现场CAS为双机环境,双机状态显示正常,CVM主机的/etc/cvm/ha目录存在,检查软连接状态发现显示红色异常,正常环境的软连接显示如下图二,基本可以判定该问题为双机软连接异常导致。

root@cvm001:/var/log/tomcat8# ls -l /etc/cvm
lrwxrwxrwx 1 root root 13 Jan 5 2017 /etc/cvm -> /vms/.ssh/cvm
root@cvm001:/var/log/tomcat8# ls -l /root/.ssh/hosts
lrwxrwxrwx 1 root root 15 Jan 5 2017 /root/.ssh/hosts -> /vms/.ssh/hosts
root@cvm001:~# ls -l /root/.ssh/hosts
lrwxrwxrwx 1 root root 15 Mar 10 11:53 /root/.ssh/hosts -> /vms/.ssh/hosts
root@cvm001:~# ls -l /etc/cvm
lrwxrwxrwx 1 root root 14 Mar 10 11:46 /etc/cvm -> /vms/.ssh/cvm/

## 解决方法

首先确认是老热备环境还是新热备环境,以CAS E0523为分界,E0523之前的版本为老双机热备,E0523之后的版本为新双机热备。热备软连接恢复方法如下:可以先将/etc/cvm和/root/.ssh/hosts的文件备份出来 老热备软连接恢复:

root@cvkno	de	-81:~	1s ·	-1	/etc,	/cvm							
Lrwxrwxrwx	1	root	root	13	May	14	2019	/etc/cvm	->	/vms/		sh/cvm	
root@cvkno	de	-81:~	13	-1	/root	t/.s	sh/hos	sts					
Lrwxrwxrwx	1	root	root	15	May	14	2019	/root/.s	sh/l	nosts	->	/vms/.ssh	n/ho

正确的软连接为:

(1) /etc/cvm -> /vms/.ssh/cvm的恢复:
主上执行: mv /etc/cvm /etc/cvm.tmp
mkdir -p /vms/.ssh/cvm
In -sf /vms/.ssh/cvm /etc/cvm
主上重启tomcat: service tomcat8 restart
备上执行: mv /etc/cvm /etc/cvm.tmp
In -sf /vms/.ssh/cvm /etc/cvm
执行Is -I /etc/cvm检查软连接状态
(2) /root/.ssh/hosts /vms/.ssh/hosts的恢复:
主上执行:
mkdir -p /vms/.ssh
mv /root/.ssh/hosts /vms/.ssh/
In -sf /vms/.ssh/hosts /root/.ssh/hosts
备上执行: In -sf /vms/.ssh/hosts /root/.ssh/hosts
执行Is -I /root/.ssh/hosts/hosts/hosts

新热备软连接恢复:

root@cvknode35:-# ls -1 /etc/cvm lrwxrwxrwx 1 root root 29 Nov 5 15:50 /etc/cvm -> /var/lib/mysql-share/.ssh/cvm root@cvknode35:-# ls -1 /root/.ssh/hosts lrwxrwxrwx 1 root root 31 Nov 18 17:04 /root/.ssh/hosts -> /var/lib/mysql-share/.ssh/host

## 正确的软连接为:

(1) /etc/cvm -> /var/lib/mysql-share/.ssh/cvm的恢复:

主上执行: mv /etc/cvm /etc/cvm.tmp

mkdir –p /var/lib/mysql-share/.ssh/cvm

 $\label{eq:lib} In \ -sf \ /var/lib/mysql-share/.ssh/cvm \ /etc/cvm$ 

主上重启tomcat: service tomcat8 restart

备上执行: mv /etc/cvm /etc/cvm.tmp

In -sf /var/lib/mysql-share/.ssh/cvm /etc/cvm

执行ls -l /etc/cvm检查软连接状态

(2) /root/.ssh/hosts -> /var/lib/mysql-share/.ssh/hosts的恢复:

主上执行: mkdir --p /var/lib/mysql-share/.ssh

mv /root/.ssh/hosts /var/lib/mysql-share/.ssh/

In -sf /var/lib/mysql-share/.ssh/hosts /root/.ssh/hosts

备上执行: In -sf /var/lib/mysql-share/.ssh/hosts /root/.ssh/hosts

执行ls -l /root/.ssh/hosts检查软连接状态

最后,关闭集群HA,重新启动HA后虚拟机状态显示正常,集群HA功能也恢复正常。