郑博之 2020-03-28 发表

udos-openstack-compute udos-openstack-compute udos-openstack-compute

组网及说明
CloudOS版本: E1139H06 (单机模式)
问题描述
现场固化容器时出错,想回退到上一次正常的容器,再重新固化。
过程分析
需要找到现场上一次正确固化的镜像,再回退到正确的镜像。
解决方法
1、 查看pod的相关image情况,确定要还原到的是7月份之前的。
docker images grep openstack-compute
Troot@Lvmeng.Ell30H06 update_image/# docker images grep openstack-compute

E1139406 c22ala503da3 E1139406-20190828171134 9a9ea7e73927 E1139406-20190828170758 ca8b3e41b7f0 7 seconds ago 1.847 GB 3 minutes ago 1.845 GB 7 months ago 1.799 GB

2、 查看要还原的pod。这里为openstack-compute。

[root@Lymeng	-E1139H06 update image]	source	/opt/bin/co	mmon/tool.s	h		
[root@Lymeng	-E1139H06 update_image]	# pod					
NAMESPACE	NAME	READY	STATUS	RESTARTS	AGE	IP	NODE
default	coreapirc-72j7a	1/1	Running	2	38d	10.101.73.8	172.25.48.81
default	host1755rc-7arrk	1/1	Running	G	525	10.101.73.12	172.25.48.81
default	host214rc-8vfpr	1/1	Running	0	52s	10.101.73.13	172.25.48.81
default	openstackrc-n3d36	1/1	Running	G	lh	10.101.73.15	172.25.48.81
default	parametcdrc-ghspa	1/1	Running	2	38d	10.101.73.7	172.25.48.81
default	portalrc-efigo	1/1	Running	2	38d	10.101.73.5	172.25.48.81
default	postgresglrc-6is32	1/1	Running	2	38d	10.101.73.6	172.25.48.81
default	rabbitmorc-aa8e5	1/1	Running	2	38d	10.101.73.9	172.25.48.81
default	rdbrc-5fss9	1/1	Running	2	38d	10.101.73.11	172.25.48.81
default	webapprc-ivf4u	1/1	Running	2	38d	10.101.73.10	172.25.48.81
tool be a second second	high a day with a passif	3.13			0.04	10 101 70 4	170 05 10 01

3、 可用 rc 命令找到容器名称,可以通过"kubectl edit rc <ro名称>"命令看rc文件,找到该容器当前使用的镜像。

[root@Lvmeng-	E1139H06 update	image]#	rc		
NAMESPACE	NAME	DESIRE	D CURREN	T AGE	
default	coreapirc	1	1	43d	
default	host1)/55rc	1	1	lh	
default	host214rc	1	1	51m	
default	openstackrc	1	1	43d	
default	parametcdrc	1	1	43d	
default	portalrc	1	1	43d	
default	postgresqlrc	1	1	43d	
default	rabbitmgrc	1	1	43d	
default	rdbrc	1	1	43d	
default	webapprc	1	1	43d	
kube-system	kube-dns-v17.1	1	1	43d	
[root@Lvmeng-	E1139H06 update	image]#	kubectl ed	it rc host1755rc	

可以通过搜索image字段找到当前使用镜像名称。



4、 要删掉镜像之前,需要把使用镜像的容器先暂停。

kubectl scale rc <要暂停的pod的rc> --replicas=0 【如果暂停pod, 在还原镜像后, 需要置为1启动p od】

[root@Lvmen replication replication	g-El139H06 update_ima controller =host1755 controller =host214r	age]# ku rc" scal c" scale	bectl scal ed d	e rc hosti	.755rc h	ost214rcrepl	icas=0
暂停后可じ	人使用pod命令,来	看容器	是否已经	至暂停。			
[root@Lvmeng	-E1139H06 update_image](pod					
NAMESPACE	NAME	READY	STATUS	RESTARTS	AGE	IP	NODE
default	coreapirc-72j7a	1/1	Running	2	38d	10.101.73.8	172.25.48.81
default	openstackrc-n3d36	1/1	Running	0	1h	10.101.73.15	172.25.48.81
default	parametcdrc-ghspa	1/1	Running	2	38d	10.101.73.7	172.25.48.81
default	portalrc-efigo	1/1	Running	2	38d	10.101.73.5	172.25.48.81
default	postgresglrc-6is32	1/1	Running	2	38d	10.101.73.6	172.25.48.81
default	rabbitmgrc-aa8e5	1/1	Running	2	38d	10.101.73.9	172.25.48.81
default	rdbrc-5fss9	1/1	Running	2	38d	10.101.73.11	172.25.48.81
default	webapprc-ivf4u	1/1	Running	2	38d	10.101.73.10	172.25.48.81
kube-system	kube-dns-v17.1-833zf	3/3	Running	6	38d	10.101.73.4	172.25.48.81

5、 找到当前使用的镜像,将其tag移除。

docker rmi <当前使用的镜像名称>:<当前使用的镜像tag>

[root@Lymeng-E1139H06 update_image]# docker image	ges grep openstack-compute			
172.25.48.81:9999/cloudos-openstack-compute	E1139H06	c22a1a583da3	2 minutes ago	1.847 68
cloudes - openstack - compute	E1139H06	c22a1a583da3	2 minutes ago	1.847 68
cloudos-openstack-compute	E1139H06-20190828171134	9a9ea7e73927	6 minutes ago	1.845 68
cloudes-openstack-compute	E1139H06-20190828170758	catble41b7f0	7 months ago	1.799 68
[root8Lymeng-E1139H06 update image]# docker rmi o	cloudos-openstack-compute:E1139H06			

将要使用的镜像打上当前镜像标签。如这里要还原到7月前的镜像,其镜像uuid为ca8b3e41b7f0。 docker tag <要使用的镜像的uuid> <当前镜像标签>

[root@Lymeng-E1139006 update_image]# docker tag ca8b3e4	1b7f0 cloudos-openstack-compute:	E1139H05		
[root@Lymeng-E1139H06 update_image]# docker images g	rep openstack-compute			
172.25.48.81:9999/cloudos-openstack-compute	E1139H06	c22a1a583da3	3 minutes ago	1.847 68
cloudos-openstack-compute	E1139H06-20190828171134	9a9ea7e73927	7 minutes ago	1.845 GB
cloudos-openstack-compute	E1139H06	ca8b3e41b7f0	7 months ago	1.799 GB
cloudos-openstack-compute	E1139H06-20190828170758	ca8b3e41b7f0	7 months ago	1.799 68

类似的,将镜像仓库的镜像先去tag,然后将要使用的镜像打上镜像仓库标签。

<pre>[root@Lvmeng-Ell39H06 update_image]# docker rmi 172.25.</pre>	48.81:9999/cloudos-openstack-comp	ute:E1139H06		
Untagged: 172.25.48.81:9999/cloudos-openstack-compute:E	1139H06			
Deleted: sha256:c22a1a583da38375b3d678ce42bce976043eec9	24389997af6a3a8d6aa615ea8			
Deleted: sha256:a9760715caalfb0514ddc7beb25d91c1f6cf3a4	f6590a3c005bf6206c4c36c08			
Deleted: sha256:4d98f001e87b503333da0b43be81341d48ae3ac	a7a479b482241efe09cdf049a			
Deleted: sha256:49c1fd07b63430804703d2f883bb996bc05a23b	72bf20ec04306f4b0543114ff			
Deleted: sha256:7f3adc762895ba45e845f8bb4781ea876a0ad87	d8cc2e875cfa723b2be27ac69			
Deleted: sha256:add853823d4553143b73d92e4a33a2068d1e5b2	70d8e3cc58e132bcc68eb1e77			
[root@Lymeng-E1139H06 update image]# docker ca8b3e41b7f	0 172.25.48.81:9999/cloudos-opens	tack-compute:E1139	H06	
docker: 'ca8b3e41b7f0' is not a docker command.				
See 'dockerhelp'.				
[root@Lymeng-E1139H06 update image]# docker tag ca8b3e	41b7f0 172.25.48.81:9999/cloudos-	openstack-compute:	E1139H06	
[root@Lymeng-E1139H06 update image]# docker images g	rep openstack-compute			
cloudos-openstack-compute	E1139H06-20190828171134	9a9ea7e73927	8 minutes ado	1.845 GB
72.25.48.81:9999/cloudos-openstack-compute	E1139H06	ca8b3e41b7f0	7 months ago	1.799 GB
cloudos-openstack-compute	E1139H06	ca8b3e41b7f0	7 months ago	1.799 GB
cloudos-openstack-compute	E1139H06-20190828170758	ca8b3e41b7f0	7 months ago	1.799 GB
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至此,可以看到,当前镜像和仓库镜像的tag和uuid,都是要使用的镜像,即7月份前的镜像,uuid为ca 8b3e41b7f0。即镜像还原完成。

如果是多节点情况,可以在每个节点上执行一次相同的操作。最终检查每个节点上,确保镜像是目标 还原的镜像,且有同样的tag,uuid也一样。