



CloudOS断电重启后Pod Init 0/1问题

王书琦 2021-12-01 发表

组网及说明

三台服务器搭建CloudOS 5.0集群

问题描述

由于各种原因CloudOS多次断电重启后，有Pod无法启动，状态显示为Init 0/1

过程分析

通过kubectl describe命令查看Pod状态，打印如下日志，提示Pod地址池内没有可用地址

```
Warning FailedCreatePodSandBox 4m kubelet, clouso3-03 Failed create pod sandbox: rpc error: code = Unknown desc = failed to set up sandbox container "195ace585db7f0382533b2036c7fc065872df557bb9faf4e1fd58e51be41e462" network for pod "reloader-reloader-6588799458-f5zck": NetworkPlugin cni failed to set up pod "reloader-reloader-6588799458-f5zck_prometheus-monitoring" network: CNI request failed with status 400: 'failed to run IPAM for 195ace585db7f0382533b2036c7fc065872df557bb9faf4e1fd58e51be41e462: failed to run CNI IPAM ADD: failed to allocate for range 0: no IP addresses available in range set 10.241.0.1-10.241.1.254'
```

解决方法

进入到对应节点如下路径，删除已分配地址

```
cd /var/lib/cni/networks/openshift-sdn  
rm -rf 10.*
```

```
root@kubernetes-03 ~# cd /var/lib/cni/networks/openshift-sdn/  
root@kubernetes-03 openshift-sdn# ls  
10.241.0.10 10.241.0.116 10.241.0.172 10.241.0.208 10.241.0.244 10.241.0.50 10.241.0.87 10.241.1.121 10.241.1.150 10.241.1.194 10.241.1.23 10.241.1.37 10.241.1.73  
10.241.0.100 10.241.0.137 10.241.0.173 10.241.0.209 10.241.0.245 10.241.0.51 10.241.0.88 10.241.1.122 10.241.1.159 10.241.1.195 10.241.1.230 10.241.1.38 10.241.1.74  
10.241.0.101 10.241.0.138 10.241.0.174 10.241.0.21 10.241.0.246 10.241.0.52 10.241.0.89 10.241.1.123 10.241.1.16 10.241.1.196 10.241.1.231 10.241.1.39 10.241.1.75  
10.241.0.102 10.241.0.139 10.241.0.175 10.241.0.210 10.241.0.247 10.241.0.53 10.241.0.9 10.241.1.124 10.241.1.160 10.241.1.197 10.241.1.232 10.241.1.4 10.241.1.76  
10.241.0.103 10.241.0.14 10.241.0.176 10.241.0.211 10.241.0.248 10.241.0.54 10.241.0.90 10.241.1.125 10.241.1.161 10.241.1.198 10.241.1.233 10.241.1.40 10.241.1.77  
10.241.0.104 10.241.0.140 10.241.0.177 10.241.0.212 10.241.0.249 10.241.0.55 10.241.0.91 10.241.1.126 10.241.1.162 10.241.1.199 10.241.1.234 10.241.1.41 10.241.1.78  
10.241.0.105 10.241.0.141 10.241.0.178 10.241.0.213 10.241.0.25 10.241.0.56 10.241.0.92 10.241.1.127 10.241.1.163 10.241.1.2 10.241.1.235 10.241.1.42 10.241.1.79  
10.241.0.106 10.241.0.142 10.241.0.179 10.241.0.214 10.241.0.250 10.241.0.57 10.241.0.93 10.241.1.128 10.241.1.164 10.241.1.20 10.241.1.236 10.241.1.43 10.241.1.8  
10.241.0.107 10.241.0.143 10.241.0.18 10.241.0.215 10.241.0.251 10.241.0.58 10.241.0.94 10.241.1.129 10.241.1.165 10.241.1.200 10.241.1.237 10.241.1.44 10.241.1.80  
10.241.0.108 10.241.0.144 10.241.0.180 10.241.0.216 10.241.0.252 10.241.0.59 10.241.0.95 10.241.1.13 10.241.1.166 10.241.1.201 10.241.1.238 10.241.1.45 10.241.1.81  
10.241.0.109 10.241.0.145 10.241.0.181 10.241.0.217 10.241.0.253 10.241.0.6 10.241.0.96 10.241.1.130 10.241.1.167 10.241.1.202 10.241.1.239 10.241.1.46 10.241.1.82  
10.241.0.11 10.241.0.146 10.241.0.182 10.241.0.218 10.241.0.254 10.241.0.60 10.241.0.97 10.241.1.131 10.241.1.168 10.241.1.203 10.241.1.24 10.241.1.47 10.241.1.83  
10.241.0.110 10.241.0.147 10.241.0.183 10.241.0.219 10.241.0.255 10.241.0.61 10.241.0.98 10.241.1.132 10.241.1.169 10.241.1.204 10.241.1.240 10.241.1.48 10.241.1.84  
10.241.0.111 10.241.0.148 10.241.0.184 10.241.0.22 10.241.0.25 10.241.0.62 10.241.0.99 10.241.1.133 10.241.1.17 10.241.1.205 10.241.1.241 10.241.1.49 10.241.1.85  
10.241.0.112 10.241.0.149 10.241.0.185 10.241.0.220 10.241.0.27 10.241.0.63 10.241.1.0 10.241.1.134 10.241.1.170 10.241.1.206 10.241.1.242 10.241.1.5 10.241.1.86  
10.241.0.113 10.241.0.15 10.241.0.186 10.241.0.221 10.241.0.28 10.241.0.64 10.241.1.1 10.241.1.135 10.241.1.171 10.241.1.207 10.241.1.243 10.241.1.50 10.241.1.87  
10.241.0.114 10.241.0.150 10.241.0.187 10.241.0.222 10.241.0.29 10.241.0.65 10.241.1.10 10.241.1.136 10.241.1.172 10.241.1.208 10.241.1.244 10.241.1.51 10.241.1.88  
10.241.0.115 10.241.0.151 10.241.0.188 10.241.0.223 10.241.0.3 10.241.0.66 10.241.1.100 10.241.1.137 10.241.1.173 10.241.1.209 10.241.1.245 10.241.1.52 10.241.1.89  
10.241.0.116 10.241.0.152 10.241.0.189 10.241.0.224 10.241.0.30 10.241.0.67 10.241.1.101 10.241.1.138 10.241.1.174 10.241.1.21 10.241.1.246 10.241.1.53 10.241.1.9  
10.241.0.117 10.241.0.153 10.241.0.19 10.241.0.225 10.241.0.31 10.241.0.68 10.241.1.102 10.241.1.139 10.241.1.175 10.241.1.210 10.241.1.247 10.241.1.54 10.241.1.90  
10.241.0.118 10.241.0.154 10.241.0.190 10.241.0.226 10.241.0.32 10.241.0.69 10.241.1.103 10.241.1.14 10.241.1.176 10.241.1.211 10.241.1.248 10.241.1.55 10.241.1.91  
10.241.0.119 10.241.0.155 10.241.0.191 10.241.0.227 10.241.0.33 10.241.0.7 10.241.1.104 10.241.1.140 10.241.1.177 10.241.1.212 10.241.1.249 10.241.1.56 10.241.1.92  
10.241.0.12 10.241.0.156 10.241.0.192 10.241.0.228 10.241.0.34 10.241.0.70 10.241.1.105 10.241.1.141 10.241.1.178 10.241.1.213 10.241.1.25 10.241.1.57 10.241.1.93  
10.241.0.120 10.241.0.157 10.241.0.193 10.241.0.229 10.241.0.35 10.241.0.71 10.241.1.106 10.241.1.142 10.241.1.179 10.241.1.214 10.241.1.250 10.241.1.58 10.241.1.94  
10.241.0.121 10.241.0.158 10.241.0.194 10.241.0.23 10.241.0.36 10.241.0.72 10.241.1.107 10.241.1.143 10.241.1.18 10.241.1.215 10.241.1.251 10.241.1.59 10.241.1.95  
10.241.0.122 10.241.0.159 10.241.0.195 10.241.0.230 10.241.0.37 10.241.0.73 10.241.1.108 10.241.1.144 10.241.1.180 10.241.1.216 10.241.1.252 10.241.1.6 10.241.1.96  
10.241.0.123 10.241.0.16 10.241.0.196 10.241.0.231 10.241.0.38 10.241.0.74 10.241.1.109 10.241.1.145 10.241.1.181 10.241.1.217 10.241.1.253 10.241.1.60 10.241.1.97  
10.241.0.124 10.241.0.160 10.241.0.197 10.241.0.232 10.241.0.39 10.241.0.75 10.241.1.11 10.241.1.146 10.241.1.182 10.241.1.218 10.241.1.254 10.241.1.61 10.241.1.98  
10.241.0.125 10.241.0.161 10.241.0.198 10.241.0.233 10.241.0.4 10.241.0.76 10.241.1.110 10.241.1.147 10.241.1.183 10.241.1.219 10.241.1.25 10.241.1.62 10.241.1.99  
10.241.0.126 10.241.0.162 10.241.0.199 10.241.0.234 10.241.0.40 10.241.0.77 10.241.1.111 10.241.1.148 10.241.1.184 10.241.1.22 10.241.1.27 10.241.1.63 test_reserved_ip_0  
10.241.0.127 10.241.0.163 10.241.0.2 10.241.0.235 10.241.0.41 10.241.0.78 10.241.1.112 10.241.1.149 10.241.1.185 10.241.1.220 10.241.1.28 10.241.1.64  
10.241.0.128 10.241.0.164 10.241.0.20 10.241.0.236 10.241.0.42 10.241.0.79 10.241.1.113 10.241.1.15 10.241.1.186 10.241.1.221 10.241.1.29 10.241.1.65  
10.241.0.129 10.241.0.165 10.241.0.200 10.241.0.237 10.241.0.43 10.241.0.8 10.241.1.114 10.241.1.150 10.241.1.187 10.241.1.222 10.241.1.3 10.241.1.66
```

随后Pod可以正常启动

