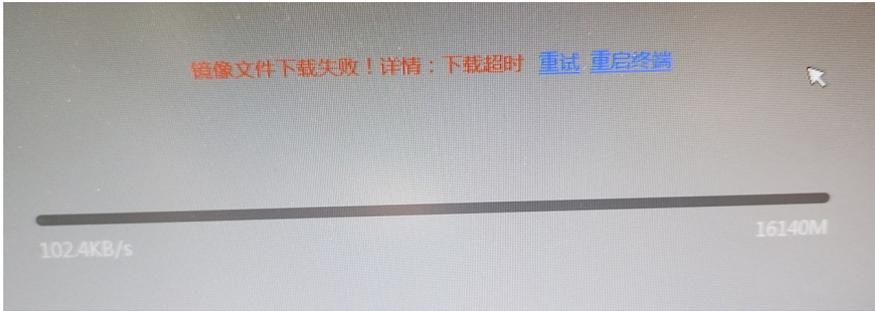


知 VOI终端镜像文件下载失败，报错：详情：下载超时

甘如雷 2023-01-08 发表

问题描述

workspace E1011P11, VOI终端下载镜像文件失败，报错：下载超时



过程分析

1、登陆终端底层spaceos系统内，/voisys/var/log/voiclient/目录下查看voi客户端日志，发现bt种子下载成功，但是下载镜像的时候，报错：http://192.168.3.1:6969/announce (-1) 拒绝连接，说明访问服务端6969端口有问题

```
(140422121043712) [2023-01-05 11:22:22:311] [Info] [Loader/loaderctrl.cpp:262] torrent files download list: "http://192.168.3.1/data/image/c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent"
-6a65d18a648f.vhd.torrent"
种子url
(140422121043712) [2023-01-05 11:22:22:311] [Info] [Loader/loaderctrl.cpp:299] startLoad_real url: "http://192.168.3.1/data/image/c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent"
(140422121043712) [2023-01-05 11:22:22:311] [Info] [Loader/loaderctrl.cpp:210] startLoad_tokens ""
(1404222972240) [2023-01-05 11:22:22:312] [Info] [Loader/httploader.cpp:63] Start to download: 0url("http://192.168.3.1/data/image/c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent") m_BytesCurrentReceived: 0
(1404222972240) [2023-01-05 11:22:22:316] [Warning] [Loader/httploader.cpp:174] http redirect, try again.
(1404222972240) [2023-01-05 11:22:22:317] [Info] [Loader/httploader.cpp:63] Start to download: 0url("http://192.168.3.1:8083/data/image/c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent") m_BytesCurrentReceived: 0
(1404222972240) [2023-01-05 11:22:22:320] [Info] [Loader/loaderctrl.cpp:257] onDownloadFinished: filename: "c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent"; local files: "/vms/lov/image/c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent"
(1404222972240) [2023-01-05 11:22:22:329] [Info] [Loader/loaderctrl.cpp:281] download finish, load type: 0; file type: 0; filename: "c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent"; size: 1024200000
(1404222972240) [2023-01-05 11:22:22:331] [Info] [Loader/loaderctrl.cpp:295] add bt-task: "c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd" ===== -1
(1404222972240) [2023-01-05 11:22:22:331] [Info] [qrc:/qmls/DownloadImage.qml:116] downloadFinished: index: -1 isSuccessfull: true 下载bt成功
(1404222972240) [2023-01-05 11:22:22:332] [Info] [Loader/loaderctrl.cpp:395] Image Titles download list: "/vms/lov/image/c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent"
开始下载镜像
(1404222972240) [2023-01-05 11:22:22:333] [Info] [Loader/btloaderlibtorrent.cpp:69] real torrent path: "/vms/images/c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent"
(1404222972240) [2023-01-05 11:22:22:338] [Info] [Loader/btloaderlibtorrent.cpp:101] "listen on make_pair
(1404222972240) [2023-01-05 11:22:22:338] [Info] [Loader/btloaderlibtorrent.cpp:113] "/vms/images/c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd.torrent"
(1404222972240) [2023-01-05 11:22:22:340] [Info] [qrc:/qmls/InitializePage.qml:89] InitializePage.qml destruction
(1404222972240) [2023-01-05 11:22:25:401] [Info] [Loader/btloaderlibtorrent.cpp:275] Added torrent: "c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd (http://192.168.3.1:6969/announce) (-1) 拒绝连接 "\v ("1)"
(1404222972240) [2023-01-05 11:22:38:221] [Info] [qrc:/qmls/main.qml:199] click esc: true 服务端6969端口连接被拒绝
(1404222972240) [2023-01-05 11:22:40:343] [Info] [Loader/btloaderlibtorrent.cpp:275] "c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd (http://192.168.3.1:6969/announce) (-1) 拒绝连接 "\v ("2)"
(14037405264576) [2023-01-05 11:24:38:202] [Info] [voisetting.cpp:36]
===== version =====
"E101P11-20220609
===== read config =====
```

2、登陆服务端，即Workspace管理平台检查6969端口的监听情况，发现该端口未被监听。

```
[root@cvknode1 ~]# netstat -anlp | grep 6969
[root@cvknode1 ~]#
```

3、6969对应服务为btorrent，检查该服务状态及进程，发现服务是运行的，也有相关的进程。但是端口没有被监听。

```
[root@cvknode1 ~]# systemctl status btorrent.service
● btorrent.service - btorrent service
Loaded: loaded (/etc/systemd/system/btorrent.service; enabled; vendor preset: disabled)
Active: active (running) since Mon 2022-09-26 12:01:43 CST; 3 months 9 days ago
Main PID: 1939 (bash)
Tasks: 28
Memory: 242.7M
CGroup: /system.slice/btorrent.service
├─ /usr/bin/bash -c /var/lib/ndi/Bittorrent/btorrent.sh start && /var/lib/ndi/Bittorrent/loopstart.sh >/var/lib/ndi/Bittorrent/logs/loopstart.log 2>&1
├─ /usr/bin/python3 /bt/downloadheadless.py --ip 192.168.3.1 --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/template/107v2023105e908c977-0f97-4da0-a140-6a65d18a648f.vhd
├─ /usr/bin/python3 /bt/downloadheadless.py --ip 192.168.3.1 --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/template/E101P1130c2c308-901b-4010-8000-000000000000.vhd
├─ sleep 15
├─ /usr/bin/python3 /bt/downloadheadless.py --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/template/Windows1022e312a8-c0c2-47cf-a1fe-2fc0bd0d0d0d.vhd
├─ /usr/bin/python3 /bt/downloadheadless.py --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/images/90b2ec14-0f92-4e0a-bd3e-5263b125afc /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/images/b063830e-9018-4060-b074-52e0c02610c2 /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/images/b3a9066d-b7c7-4ee1-a7e3-563e1838f8c5 /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/template/005ee0db08-33dc-4d5a-922e-7dd0850010f2 /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/images/d1760fe1-a604-4c02-8108-70c3253084e /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/images/ea79a878-a68b-4e36-a688-814a2818b8ff /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/images/d73c3043-3684-4247-b0ff-1199e3b75767 /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/images/b0411e0d-9e0c-4c36-a810-91202457440 /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --ip 192.168.3.1 --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/images/8a070eb0-7c9c-4316-a199-da60de58f5ce /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --ip 192.168.3.1 --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/Isos/IDWOptools.iso /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --ip 192.168.3.1 --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/template/c107ve908c977-0f97-4da0-a140-6a65d18a648f.vhd
├─ /usr/bin/python3 /bt/downloadheadless.py --ip 192.168.3.1 --max_upload_rate 102400 --max_allow_in 100 --saveas /var/lib/ndi/Bittorrent/data/version
├─ /usr/bin/python3 /bt/downloadheadless.py --ip 192.168.3.1 --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/template/win101909.iso 16721110
└─ /usr/bin/python3 /bt/downloadheadless.py --ip 192.168.3.1 --max_upload_rate 102400 --max_allow_in 100 --saveas /vms/template/win101909.iso 16721110
```

4、ps -ef | grep 6969 也无端口相关进程。在btorrent服务进程中也无端口相关信息，怀疑是该服务上一次启动脚本执行不对，导致服务启动异常。

```
[root@cvknode1 ~]# ps -ef | grep 6969
root 13015 19019 0 13:39 pts/0 00:00:00 grep --color-mauto 6969
[root@cvknode1 ~]#
[root@cvknode1 ~]#
[root@cvknode1 ~]#
[root@cvknode1 ~]# ps -ef | grep btorrent
root 1939 1 0 2022 7 00:00:00 /bin/bash -c /var/lib/ndi/Bittorrent/btorrent.sh start && /var/lib/ndi/Bittorrent/loopstart.sh >/var/lib/ndi/Bittorrent/logs/loopstart.log 2>&1
root 17794 19019 0 13:40 pts/0 00:00:00 grep --color-mauto btorrent
[root@cvknode1 ~]#
```

解决方法

尝试重启bittorrent服务，恢复6969端口监听；执行systemctl restart bittorrent.service即可；正常执行后，检查服务状态正常如下：服务启动脚本中会通过--port参数执行6969端口，通过netstat命令检查6969端口状态为LISTEN。说明此时BT服务正常。终端重新启动下载镜像流程即可。

```
[root@vknodel ~]#
[root@vknodel ~]# systemctl status bittorrent.service
● bittorrent.service - bittorrent service
   Loaded: loaded (/etc/systemd/system/bittorrent.service; enabled; vendor preset: disabled)
   Active: active (running) since Thu 2023-01-05 13:43:26 CST; 9s ago
     Process: 25389 ExecStop=/bin/bash /var/lib/udl/bittorrent/bittorrent.sh stop (code=exited, status=0/SUCCESS)
    Main PID: 25597 (bittorrent)
      Tasks: 1
     Memory: 9.5M
    CGroup: /system.slice/bittorrent.service
            └─25597 /usr/bin/python ./bittorrent.py --bind 0.0.0.0 --port 6969 --logfile /var/lib/udl/bittorrent/logs/dfile.log --logfile /var/lib/udl/bittorrent/logs/trac...

Jan 05 13:43:26 vknodel systemd[1]: Starting bittorrent service...
Jan 05 13:43:26 vknodel bash[25515]: [2023-01-05 13:43:26]: Starting tracker service...
Jan 05 13:43:26 vknodel systemd[1]: Started bittorrent service.
[root@vknodel ~]#
[root@vknodel ~]#
1
[root@vknodel ~]#
1
[root@vknodel ~]#
[root@vknodel ~]#
[root@vknodel ~]# netstat -anlp | grep 6969
tcp        0      0 0.0.0.0:6969          0.0.0.0:*              LISTEN     25597/python
[root@vknodel ~]#
[root@vknodel ~]#
```

