

知 某局点S12516F-AF 更改系统时间之后，新产生的日志在logbuffer不显示问题处理经验案例

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某局点S12516F-AF 之前客户人为的把设备系统时间修改为6月份运行过一段时间，当时运行都正常，logbuffer 也能正常看到系统日志，但是后面为了校准时间，把设备时间改回正常的3月份，但是发现改完时间之后，dis logbuffer 里面不再显示新的系统日志，一直保持在6月份的系统日志。

操作记录：

<ZW>dis lntp ?

ipv6 IPv6 protocol
sessions NTP session information
status NTP status information
trace Information about NTP server chain

<ZW>dis ntp status

Clock status: synchronized
Clock stratum: 3
System peer:x.x.x.x
Local mode: client
Reference clock ID: x.x.x.x
Leap indicator: 00
Clock jitter: 0.003601 s
Stability: 0.000 pps
Clock precision: 2^-18
Root delay: 21.20972 ms
Root dispersion: 22239.63928 ms
Reference time: de5a2199.ff70b162 Mon, Mar 19 2018 19:46:33.997

<ZW>dis logbuffer

Log buffer: Enabled
Max buffer size: 65535
Actual buffer size: 512
Dropped messages: 1484
Overwritten messages: 84932
Current messages: 512

<ZW>dis diagnostic-information ?

STRING [drive][path][file name]
chassis1#slot0#flash: Device name
chassis1#slot1#flash: Device name
chassis2#slot0#flash: Device name

查看设备的时间：

<ZW>dis diagnostic-information

Save or display diagnostic information (Y=save, N=display)? [Y/N]:n

=====display clock=====

19:48:00 beijing Mon 03/19/2018
Time Zone : beijing add 08:00:00

查看dis logbuffer，日志都是6月份的日志：

=====display logbuffer=====

Log buffer: Enabled
Max buffer size: 65535
Actual buffer size: 512
Dropped messages: 1487
Overwritten messages: 84932
Current messages: 512
%Jun 3 21:42:28:551 2018 ZW SSHS/6/SSHS_CONNECT: SSH user admin_cloud (IP: x.x.x.x) connected to the server successfully.
%Jun 3 21:42:29:759 2018 ZW SHELL/5/SHELL_LOGIN: admin_cloud logged in from x.x.x.x
%Jun 4 14:23:49:367 2018 ZW NTP/5/NTP_CHANGE_LEAP: System Leap Indicator changed from 3 to 0 after clock update.
%Jun 4 14:23:49:367 2018 ZW NTP/5/NTP_CHANGE_STRATUM: System stratum changed from

16 to 3 after clock update.

```
%Jun 4 14:24:22:185 2018 ZW SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=x.x.x.x-User=admin_cloud; Command is dis clock
%Jun 4 14:24:49:815 2018 ZW SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=x.x.x.x-User=admin_cloud; Command is dis ntp-service trace
%Jun 4 14:25:52:140 2018 ZW SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=x.x.x.x-User=admin_cloud; Command is qu
%Jun 4 14:26:02:150 2018 ZW CFGMAN/5/CFGMAN_CFGCHANGED: -EventIndex=306-CommandSource=snmp-COnfigSource=startup-COnfigDestination=running; Configuration is changed.
```

```
=====
=====display mdc=====
```

ID	Name	Status
1	Admin	active

收集设备的logfile文件信息查看，发现3月份的日志都保存在logfile文件中

```
%@294062%Mar 19 20:46:45:361 2018 ZW SSHS/6/SSHS_CONNECT: SSH user admin_cloud (IP: x.x.x.x) connected to the server successfully.
%@294063%Mar 19 20:46:46:565 2018 ZW SHELL/5/SHELL_LOGIN: admin_cloud logged in from x.x.x.x.
%@294064%Mar 19 20:46:51:350 2018 ZW SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=x.x.x.x-User=admin_cloud; Command is dis logbuffer
%@294065%Mar 19 20:47:08:474 2018 ZW SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=x.x.x.x-User=admin_cloud; Command is sys
%@294066%Mar 19 20:47:09:456 2018 ZW SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=x.x.x.x-User=admin_cloud; Command is dis th
%@294067%Mar 19 20:50:02:042 2018 ZW SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=x.x.x.x-User=admin_cloud; Command is qu
%@294068%Mar 19 20:50:02:576 2018 ZW SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=x.x.x.x-User=admin_cloud; Command is qu
%@294069%Mar 19 20:50:02:578 2018 ZW SHELL/5/SHELL_LOGOUT: admin_cloud logged out from x.x.x.x
%@294070%Mar 19 20:50:02:648 2018 ZW SSHS/6/SSHS_DISCONNECT: SSH user admin_cloud (IP: x.x.x.x) disconnected from the server.
```

最终定位由于之前手动修改的时间大于目前系统的时间，logbuffer模块比较之前的日志记录，对比新的log记录时间，由于logbuffer是有条数限制的，将时间旧的log丢弃，所以没有显示在logbuffer中。

Logfile是会记录所有日志的，所以没有将其丢弃。

通过释放logbuffer 之后，已能正常看到3月份日志。