

知 ADCampus 五期方案控制器存在大量Netconf连接up/down的系统日志

ADCampus解决方案 刘玉娟 2021-03-29 发表

组网及说明

ADCampus五期

问题描述

控制器存在大量Netconf连接up/down的系统日志，以设备10.150.1.37为例：

```
Search 10.150.1.37 4464 hits in 1.126s
© VMware, Inc. All rights reserved. VMware vCenter Server 6.5.0 (Build 1028504)
Line 470: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 471: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 472: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 473: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 474: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 475: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 476: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 477: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12484: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12485: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12486: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12487: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12488: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12489: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12490: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12491: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12492: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12493: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12494: 2021-01-12T18:14:01.418Z msg: SeeDebug-Cmpna NSAD NETCONF_SESSION_DOWN ->nsdl="COM_NETCONF" ->spad="10.150.4.12-tcp-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
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过程分析

出现该问题的设备都是Access设备，控制器设计时考虑的是 Access设备下发的配置比较少，数量比较多，都保持长连接比较占用性能，所以采用了短连接，每一次通过控制器给设备下发配置都会触发建立连接。除了人为操作的配置变动，控制器给设备下发save也会触发netconf up/down。另外如果控制器感知到设备的链路变化，会触发建立netconf连接去获取设备的接口状态变化。

解决方法

目前暂没办法屏蔽此类告警，后期ADCampus控制器会考虑修改为长连接的方式。

