

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：

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Search 128.150.1.37 4664 3414 in 1 file
C:\Users\jzhang\Documents\My Recent Documents\Netconf-logs-10.150.1.37-4664-3414.txt (4664 files)
Line 470: 2021-01-12T11:14:01.447Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 471: 2021-01-12T11:14:01.491Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 472: 2021-01-12T11:14:01.492Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 501: 2021-01-12T11:23:01.201Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 502: 2021-01-12T11:23:01.202Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 11841: 2021-01-12T11:40:41.001Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_UP: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 11842: 2021-01-12T11:40:41.002Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_UP: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12040: 2021-01-12T11:40:18.277Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12041: 2021-01-12T11:40:18.278Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12042: 2021-01-12T11:40:18.279Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12043: 2021-01-12T11:40:18.280Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12044: 2021-01-12T11:40:18.281Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12045: 2021-01-12T11:40:18.282Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12046: 2021-01-12T11:40:18.283Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was down.
Line 12047: 2021-01-12T11:40:18.284Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_DOWN: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was up.
Line 12048: 2021-01-12T11:40:18.285Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_UP: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was up.
Line 12049: 2021-01-12T11:40:18.286Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_UP: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was up.
Line 12050: 2021-01-12T11:40:18.287Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_UP: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was up.
Line 12051: 2021-01-12T11:40:18.288Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_UP: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was up.
Line 12052: 2021-01-12T11:40:18.289Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_UP: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was up.
Line 12053: 2021-01-12T11:40:18.290Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_UP: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was up.
Line 12054: 2021-01-12T11:40:18.291Z msg: SeeEndpoint-Campus/WSMAN/NETCONF_SESSION_UP: Module="COM_NETCONF" -ipaddr=10.150.4.12-tcpip-session: The NETCONF session between the controller and NETCONF server 10.150.1.37 was up.
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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。

