

知 某局点S7606 服务器侧读取mib节点报错经验案例

mib SNMP 杨志涛 2019-05-22 发表

组网及说明

无

问题描述

1、S7606服务器侧读取设备的mib节点报错，见下面的报错照片，显示mib视图下没有更多的参数。

请核实下snmp配置。（snmp协议可通，但获取资源失败，确认下snmp可获取的权限节点）

```
[root@FJFZ-PS-WW05-NMS log]# snmpwalk -v 2c -c 'qznm#Read' 218.207.148.188 SYSNAME
SNMPv2-MIB::sysName.0 = STRING: FJQZH-MC-CMNET-SW68-AX-S7606
[root@FJFZ-PS-WW05-NMS log]# snmpwalk -v 2c -c 'qznm#Read' 218.207.148.188 system
SNMPv2-MIB::sysDescr.0 = STRING: H3C Comware Platform Software, Software Version 7.1.070, Release 7577P02
H3C S7606
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SNMPv2-MIB::sysObjectID.0 = OID: SNMPv2-SMI::enterprises.25506.1.1547
DISMAN-EVENT-MIB::sysUpTimeInstance = Timeticks: (417426219) 48 days, 7:31:02.19
SNMPv2-MIB::sysContact.0 = STRING: contact +86-010-82960000
SNMPv2-MIB::sysName.0 = STRING: FJQZH-MC-CMNET-SW68-AX-S7606
SNMPv2-MIB::sysLocation.0 = STRING: No.19, Huayuan East Road, Haidian District, Beijing, China
SNMPv2-MIB::sysServices.0 = INTEGER: 78
SNMPv2-MIB::sysServices.0 = No more variables left in this MIB View (It is past the end of the MIB tree)
[root@FJFZ-PS-WW05-NMS log]# snmpwalk -v 2c -c 'qznm#Read' 218.207.148.188 ifdesc
IF-MIB::ifDescr = No more variables left in this MIB View (It is past the end of the MIB tree)
[root@FJFZ-PS-WW05-NMS log]# snmpwalk -v 2c -c 'qznm#Read' 218.207.148.188 1.3.6.1.2.1.2.1.2
IF-MIB::ifDescr = No more variables left in this MIB View (It is past the end of the MIB tree)
```

过程分析

1、首先检查设备上SNMP的主要配置，发现没有问题，而且服务器可以正常读取设备其他节点的信息

```
snmp-agent sys-info version v2c v3
```

```
snmp-agent target-host trap address udp-domain 10.209.146.7 params securityname qznm#Read v
2c
```

```
snmp-agent target-host trap address udp-domain 211.138.150.107 params securityname qznm#Rea
d v2c
```

```
snmp-agent mib-view included AllView internet
```

```
snmp-agent mib-view included ViewDefault system
```

```
snmp-agent trap enable radius
```

```
snmp-agent trap enable stp snmp-agent trap enable syslog
```

2、服务器侧主要是读取1.3.6.1.2.1.2.2.1.2和1.3.6.1.2.1.4这两个节点有问题，让现场在设备侧收集debug信息

```
debugging snmp agent process all
```

```
debugging snmp agent packet header
```

在debug信息中也没有查看到关于这个节点的任何信息

3、后续工程师反馈，同一个服务器可以读取其他设备的相同节点信息，怀疑还是设备侧有问题，让现场在设备侧抓包看

正常读取信息如下：

```
[tycare@FJFZ-PS-WW03-NMS ~]$ snmpwalk -v 2c -c 'ChinaMobile1' 218.207.157.170 1.3.6.1.2.1.4
```

```
IP-MIB::ipForwarding.0 = INTEGER: forwarding(1)
```

```
IP-MIB::ipDefaultTTL.0 = INTEGER: 255
```

```
IP-MIB::ipInReceives.0 = Counter32: 10233165
```

```
IP-MIB::ipInHdrErrors.0 = Counter32: 0
```

```
IP-MIB::ipInAddrErrors.0 = Counter32: 0
```

```
IP-MIB::ipForwDatagrams.0 = Counter32: 0
```

```
IP-MIB::ipInUnknownProtos.0 = Counter32: 150217
```

```
IP-MIB::ipInDiscards.0 = Counter32: 0
```

```
IP-MIB::ipInDelivers.0 = Counter32: 10233169
```

```
IP-MIB::ipOutRequests.0 = Counter32: 10449142
```

```
IP-MIB::ipOutDiscards.0 = Counter32: 0
```

```
IP-MIB::ipOutNoRoutes.0 = Counter32: 141
```

```
IP-MIB::ipReasmTimeout.0 = INTEGER: 30 seconds
```

```
IP-MIB::ipReasmReqds.0 = Counter32: 2
```

设备抓包信息如下：

