

知 HP 3500、Aruba 3810M系列交换机SNMP配置方法

SNMP

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组网及说明

1. 配置需求或说明

1.1 适用产品系列

本案例适用于如：HP 3500-24G/48G-PoE+ yl Switch、Aruba 3800 24SFP 2SFP+ Switch、Aruba 3810M 24G/48G(PoE+)1-slot Switch、Aruba 3810M 16SFP+/24SFP+ 250W 2-slot Switch、Aruba 3810M 40G 8 HPE Smart Rate PoE+ 1-slot Switch、Aruba 3810M 48G PoE+ 4SFP+ 680W/1050W Switch等系列的交换机。

1.2 组网图

无。

配置步骤

1. SNMPv1 & v2配置步骤

#进入全局模式

```
ProCurve#config
```

#设置public为读权限密钥

```
ProCurve(config)#snmp-server community public unrestricted
```

#设置private为写权限密钥

```
ProCurve(config)#snmp-server community private unrestricted
```

2. SNMPv3配置步骤

2.1 开启SNMPv3功能

#进入全局模式

```
ProCurve#config
```

#开启SNMPv3

```
ProCurve(config)#snmpv3 enable
```

2.2 创建SNMPv3用户及密钥

#系统自动创建“initial”虚拟用户，任意填写authentication密钥，本案例填写密钥为12345678

```
SNMPv3 Initialization process.
```

```
Creating user 'initial'
```

```
Authentication Protocol: MD5
```

```
Enter authentication password: 12345678
```

#填写privacy密钥，本案例填写密钥为12345678

```
Privacy protocol is DES
```

```
Enter privacy password: 12345678
```

#初始虚拟用户创建成功

```
'initial' has been created
```

#提示创建第二个用户，输入n

```
Would you like to create a user that uses SHA? [y/n] n
```

```
User creation is done.
```

```
SNMPv3 is now functional.
```

#提示将SNMPv1和v2版本限制为只读权限，输入y

```
Would you like to restrict SNMPv1 and SNMPv2c messages
to have read only access (you can set this later by the
command 'snmp restrict-access'): y
```

#查看SNMPv3用户

```
ProCurve(config)#show snmpv3 user
```

```
Status and Counters - SNMP v3 Global Configuration
Information
User Name                               Auth. Protocol
Privacy Protocol
-----
initial                                MD5                                CBC
DES
```

#创建自定义用户名snmpv3user及密码adminpw，使用SHA和AES-128加密方式

```
ProCurve(config)#snmpv3 user admin auth sha adminpw priv aes adminpw
```

#再次查看SNMPv3用户

```
ProCurve(config)#show snmpv3 user
```

```
Status and Counters - SNMP v3 Global Configuration
Information
User Name                               Auth. Protocol
Privacy Protocol
-----
initial                                MD5                                CBC
DES
snmpv3user                             SHA                                CFB
AES-128
```

#删除初始虚拟用户“initial”

```
ProCurve(config)#no snmpv3 user initial
```

2.2 将SNMPv3用户放入最高权限组中

```
ProCurve(config)#snmpv3 group managerpriv user snmpv3user sec-model ver3
```

3. 保存配置

```
ProCurve(config)#write memory
```

配置关键点

SNMPv3配置步骤：1. 开启SNMPv3 2. 创建用户&密钥 3. 将用户加入权限组中

SNMPv3创建自定义用户&密钥前，需根据系统提示，先创建初始用户“initial”，再创建自定义用户