ѧЂЂ≠ ѿ ҀҚҀѿ ґ ЂҒ ЂЂ ҎҏЂҀ ҏ ґҚ ҏѿҀЂґҚ ҎЂ SNMP с Linux. Ѱ ҃ ӤѿґҚ ҚґЂ ӥЂ ЂЂ Ж ҏ ’ snmpwalk.
1. ѲҐґѿЂЂҀ ґҚ snmpwalk ӥЂ ЂЂ ґѿ:
ЂӤҚ Ubuntu / Debian / Linux Mint

sudo apt-get update
sudo apt-get install snmp

ӡҏЂҀ ҏ:ѿ:

snmpwalk --version

ѧӤ ҃ ӤҚ CentOS / RHEL / AlmaLinux / Rocky Linux (8 ҀҚҚ)

sudo yum install net-snmp-utils

҃ Ӥ

sudo dnf install net-snmp-utils

ӡҏЂҀ ҏ:ѿ:

snmpwalk -h

2. Ѱ Ђґѿ:Ґ Ґ ҐӤ ҃ Ғк ӡ:

snmpwalk -v <≠ ҐҒ:k> -c <community> <ҕҎґҒ> <OID>

ѰҀґӡҕҐҎ≠ӤҀ:

-v1/-v2c/-v3 - ≠ ҐҒ:k SNMP (1, 2c:ӥ 3)
-c <community> - ӤӥҚж: ғӤҀ ҀҀ ҀҀ:k community string (ЂҀҏҒ:Ъ Ґ,public),
:ґҏҎӥҚ ғ ҒґЂ ≠ SNMPv1/v2c
<ҕҎґҒ> - IP-Ҁ Ґ ґ:ӥ:ЂЂ ҕҎґҒҀ ғґҒҐҎ:ґҒ≠Ҁ
<OID> - ӡҀҚ ӤҒЂҚ:҃ ЂҒ:ҕ:ӤҀҒҎҐ (ЂҀҏҒ:Ъ Ґ,1.3.6.1.2.1.1)

3. ӡҏ ӥ ҏҚ ҃ ӤҚ -v1 -v2c:

ӡЂӤҒЖ ґҚ ҀҐҚ

snmpwalk -v1 -c "public" 192.168.1.1 .1

Аѿрръґ ҫґ Ђ˝ ѿЬЬКЂ˜ ' MIB-II (ґґѿЬ˝ ѿрґЬѿК ҫ˜ ґҫқ)

```
snmpwalk -v2c -c "public" 192.168.1.1 .1.3.6.1.2.1
```

ƷЬЙҒЖ˜ ґқ ҫҐК

```
snmpwalk -v2c -c "public" 192.168.1.1 .1
```

˜ Й˜ РЬ OID:

```
snmpwalk -v2c -c "public" 192.168.1.1 .1.3.6.1.2.1.1
```

4. АҐРЬЙқ' ЬҫѿЬ˜ ˆ SNMPv3
Ψ˜ ЬґѿЇ:Ґ˜ Ґ:

```
snmpwalk -v3 -u <username> -l authPriv -a SHA -A <auth_password> -x AES -X
<priv_password> 192.168.1.1 .1
```

Ь˝ ˆ :

```
-u   ЇЇЬК рРЙК˜ Р≠ҫҒ˝ ЙК
-l    ҒҐР≠˝ ЬК ҫ'˜ РрҫґЬРґЂЇ: noAuthNoPriv, authNoPriv, authPriv
-a    ҫЙ˝ РЂЇҒЬ ҫҒ˝ ЬЂЇБЇЙҫЖЇ (MD5, SHA)
-A    рҫҐРЙК ҫҒ˝ ЬЂЇБЇЙҫЖЇЇ
-x    ҫЙ˝ РЂЇҒЬ ƷЇБҐР≠ҫЬЇК (AES, DES)
-X    рҫҐРЙК ƷЇБҐР≠ҫЬЇК
```

Ƶр˜ Й˜ р Ґ ѿҒґ˜ Ьґ˜ ҒЇ:ѿБ˜ЇЇ, Ьь ҫ' ж˜ ҒрЬҫѿЬ˜ К ґрѿҒЇ:ѿ (authNoPriv):

```
snmpwalk -v3 -u myuser -l authNoPriv -a SHA -A "myAuthPassword123"
192.168.1.1 .1
```

ψЬ' ˆ Ґѿ̧Ь˜ , Ьь Ґ MD5

```
snmpwalk -v3 -u myuser -l authNoPriv -a MD5 -A "myAuthPassword123"
192.168.1.1 .1
```

Ƶр˜ Й˜ р Ґ ѿҒґ˜ Ьґ˜ ҒЇ:ѿБ˜ЇЇ˜ ж˜ ҒрЬҫѿЬ˜ ˆ й ґрѿҒЇ:ѿ (authPriv):

```
snmpwalk -v3 -u myuser -l authPriv -a SHA -A "myAuthPassword123" -x AES -X
myPrivPassword456 192.168.1.1 .1
```