Package

net-snmp-5.4.2.tar.gz

**Introduction**

SNMP agent default supports SNMPv1, SNMPv2c and SNMPv3. Security is provided through SNMP community strings. The default community string are “public” for SNMP GET/READ operation and “write” for SNMP SET/WRITE operation.

snmpd.conf is the configuration file which defines how the SNMP agent operates. There are numerous places that snmpd.conf file can be found and read from. By default, the applications look for snmpd.conf file in the following 3 directories, in order: **/etc/snmp**, /ver/share/snmp, /lib/snmp.

**Supported MIBs**

Our SNMP agent support these MIBs:

RFC1213-MIB.txt

Writeable MIB members:

sysContact(STRING)

sysName(STRING)

sysLocation(STRING)

ifAdminStatus(INTEGER)  
  
**Scripts introduction**

init\_configure:  
 The script can helps you to compiler snmpd quickly.

update\_snmpd:

This script will produce the “snmpd.conf” that snmpd need automatically after via the   
below parameter analysis, and bring up snmpd daemon. Streaming-Server threads or   
other processes can call “system()” or “exec()”, etc… system function to use and control it.

**update\_snmpd**

please duplicate **update\_snmpd** to root filesystem (/usr/sbin, /sbin, …etc) in platform (A/T).

SYNOPSIS

update\_snmpd V1 V2c V3 RdComm RWComm SecurName AuthPass

DESCRIPTION

V1, V2c, V3 :

Specify the SNMP agent will support the use of those kinds of version.

RdComm :

RWComm :

Specify SNMPv1 or SNMPv2c community that will be allowed read-only or read-write access respectively.

SecurName :

Specify the security name to use for SNMPv3 requests.

AuthPass :

Specify authentication pass phrases to use for SNMPv3 requests.

Test Case

Windows Platform: Use SNMP Manager Software

You have to download MIB Browser first. Refer the below download website please.  
iReasoning:   
<http://www.ireasoning.com/downloadmibbrowserlicense.shtml>

OidView:   
<http://www.oidview.com/mibbrowser.html>

FreeSnmp1.4: <http://www.softpedia.com/get/Network-Tools/Network-IP-Scanner/FreeSnmp.shtml>

Linux Platform: Use Command

Before use command, please to confirm your system whether install “net-snmp-utils”, if doesn’t install that package, please install it first.

Read/Get mode:

#snmpwalk –c public –v 1 172.16.3.xxx system  
SNMPv2-MIB::sysDescr.0 = STRING: Linux ACTi 2.4.19-rmk4 #248 2009-02-17 19:01:36 +0800 CST armv4l (FIC8120)

SNMPv2-MIB::sysObjectID.0 = OID: NET-SNMP-MIB::netSnmpAgentOIDs.10

DISMAN-EVENT-MIB::sysUpTimeInstance = Timeticks: (7995544) 22:12:35.44

SNMPv2-MIB::sysContact.0 = STRING: root

SNMPv2-MIB::sysName.0 = STRING: ACTi

SNMPv2-MIB::sysLocation.0 = STRING: Unknown

#snmpget –c public –v 2c 172.16.3.xxx sysUpTime.0

DISMAN-EVENT-MIB::sysUpTimeInstance = Timeticks: (8000207) 22:13:22.07

Write/Set mode:

# snmpset -c write 172.16.3.xxx sysLocation.0 s Office

SNMPv2-MIB::sysLocation.0 = STRING: Office