N-Partner

N-REPORTER

Set up Host MIB device

V 1.1.2

01-01-01-023 2016/1/30

Preface

N-Reporter supports Host Resource MIB monitoring. This document introduces how does N-Reporter users set up Host MIB device.

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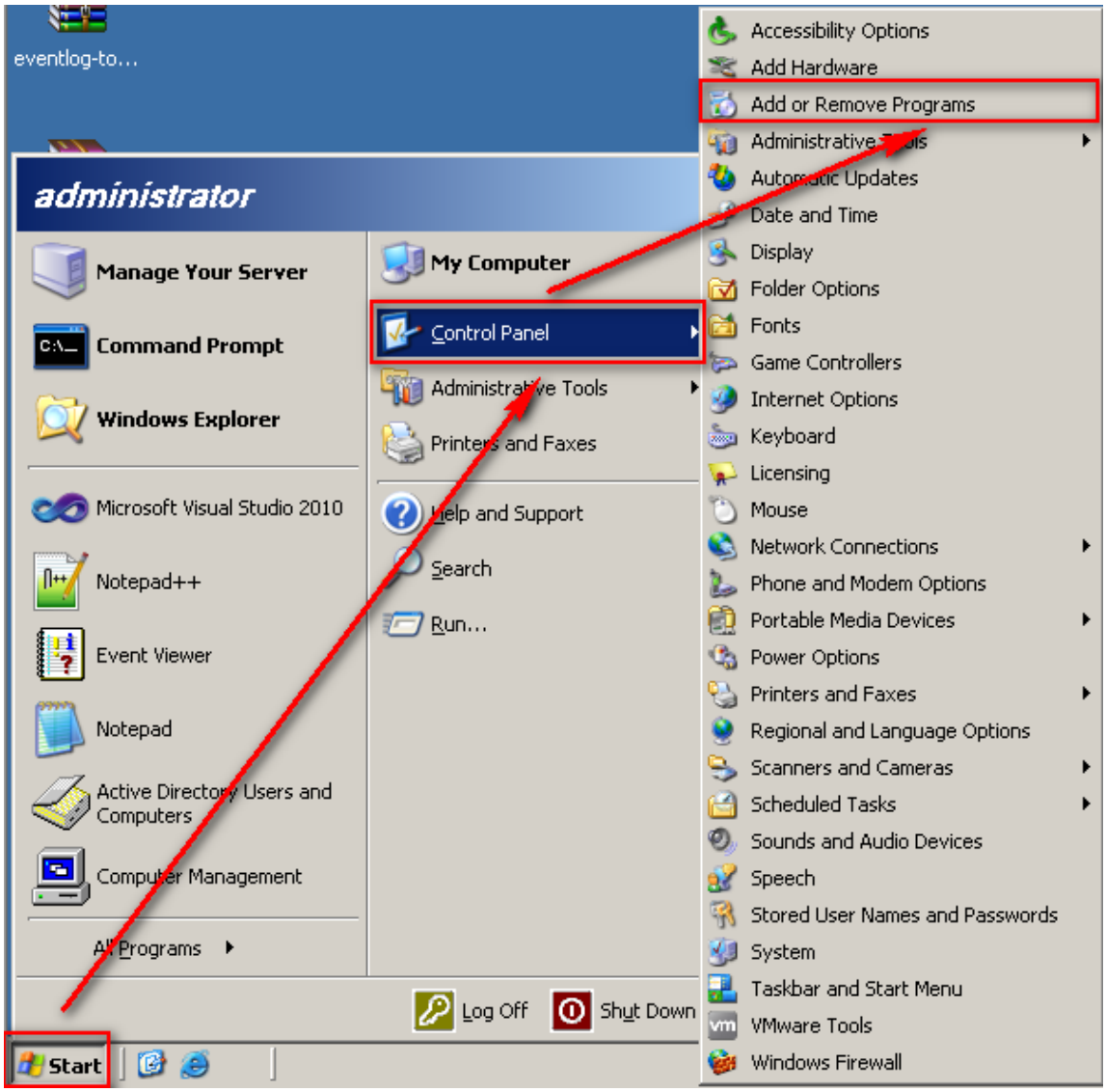
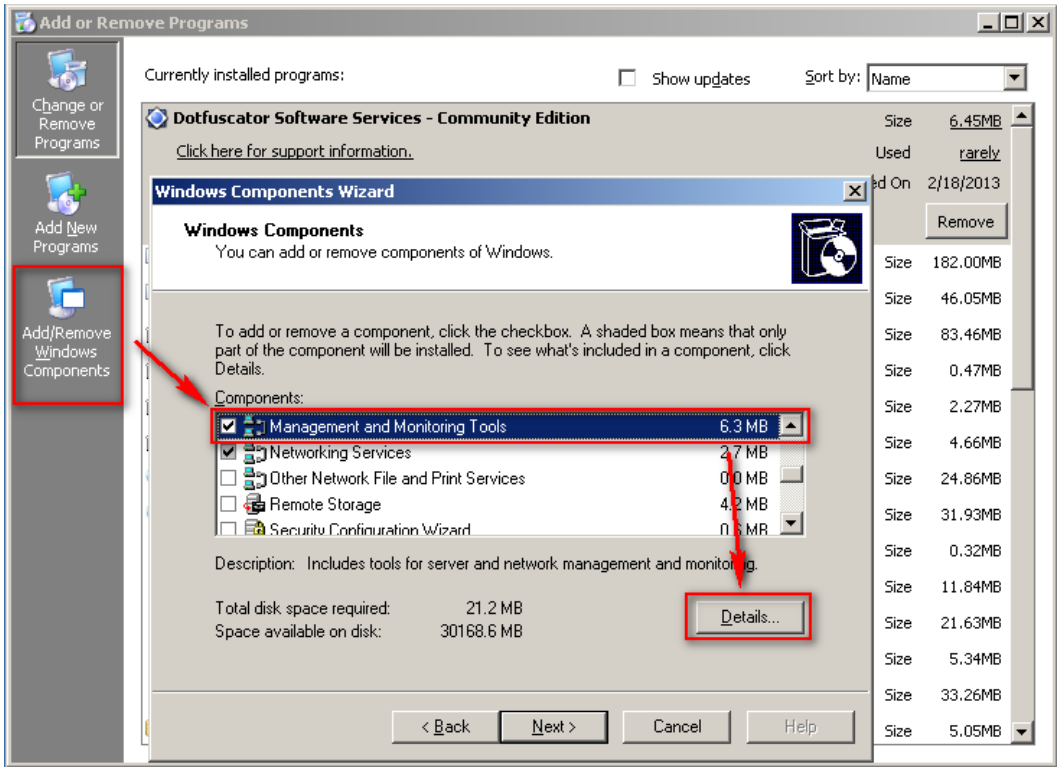
1.Set Up Windows Server 2003

1-1. Install SNMP Service in Windows Server 2003

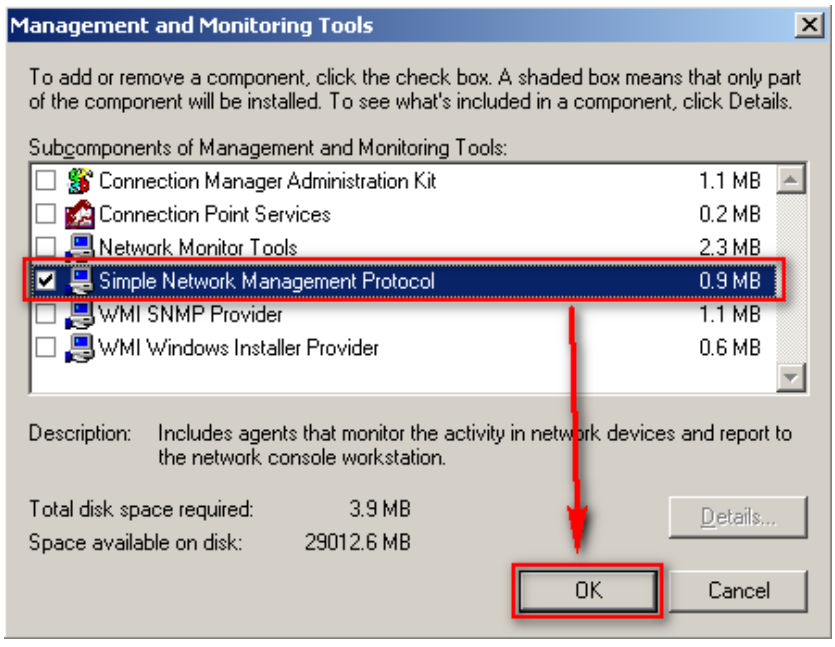
Click [Start/ Control Panel/ Add or Remove Programs].



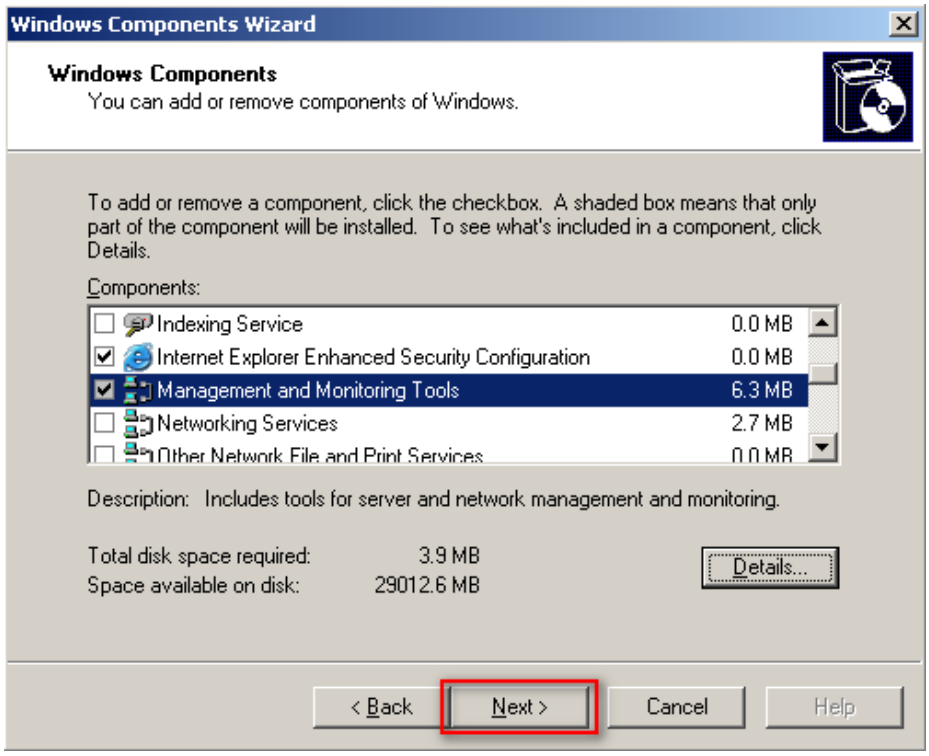
Click [Add/Remove Windows Components/ Management and Monitoring Tools / Details].



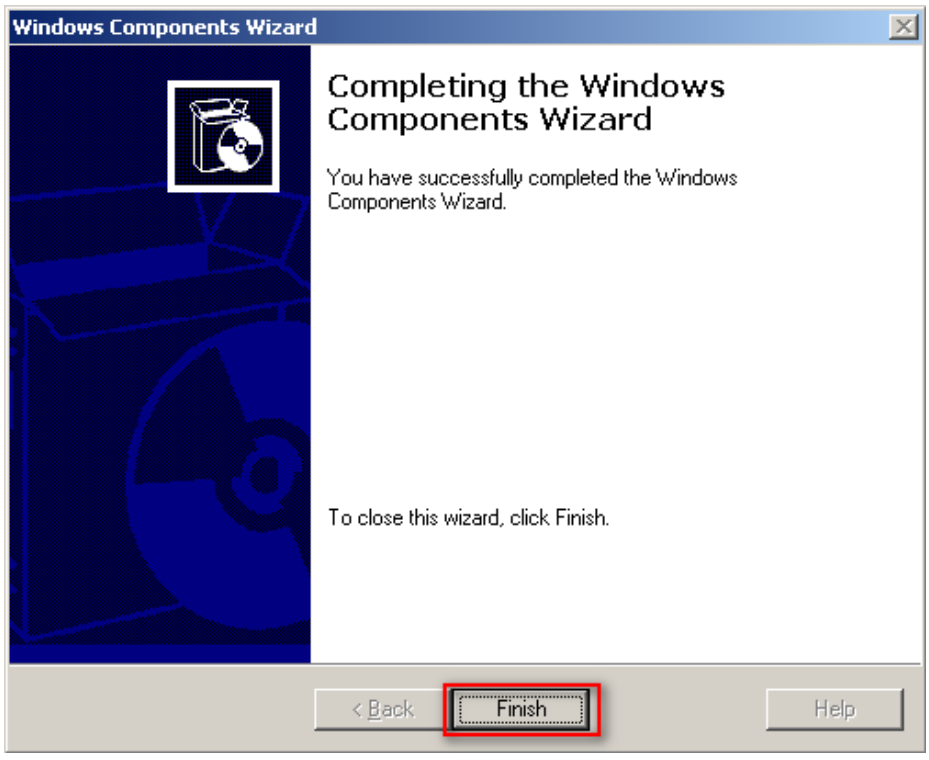
Check [Simple Network Management Protocol], then click [OK].



Insert the Windows Server 2003 installation disk, and then click [Next].

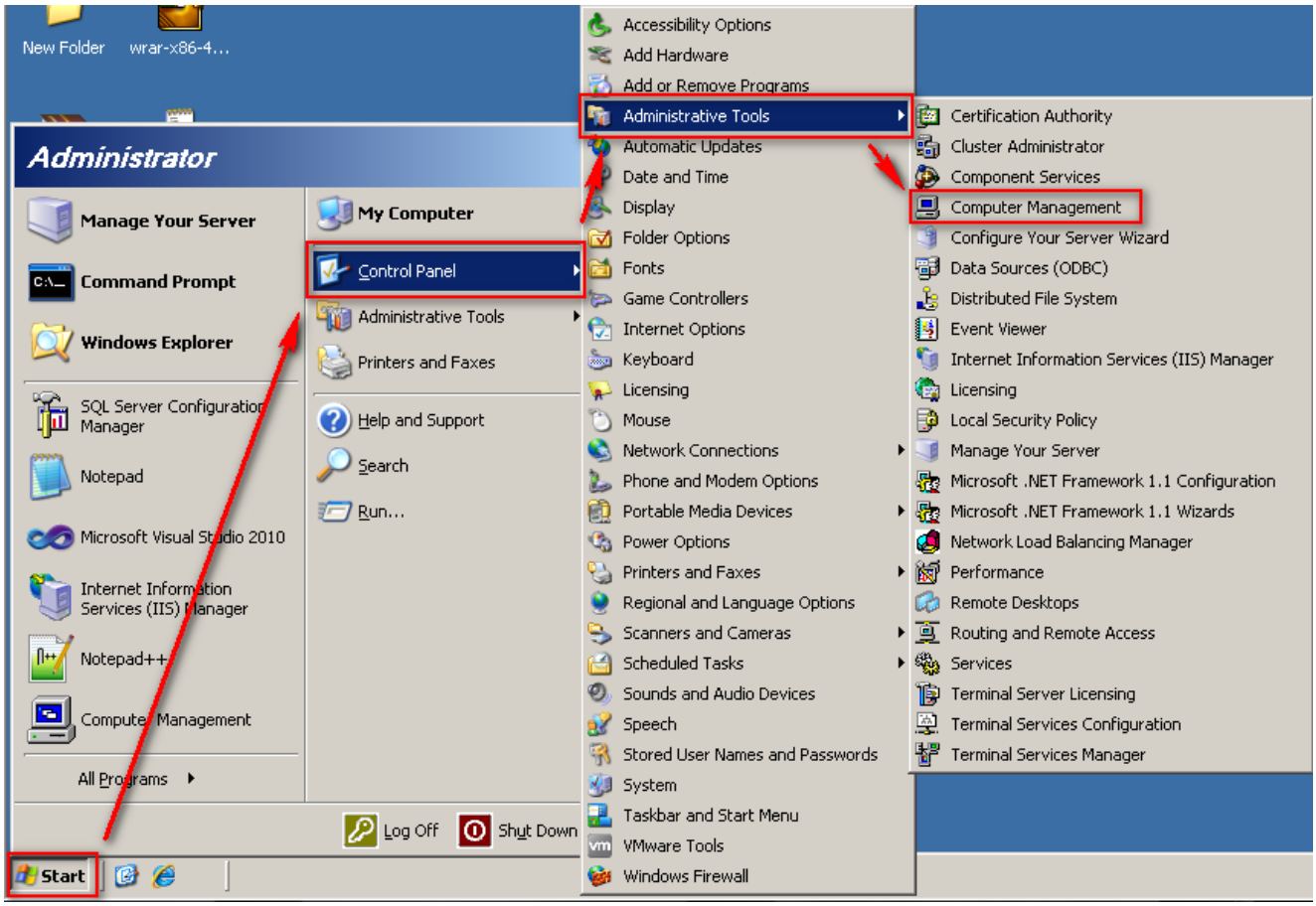


Click [Finish].

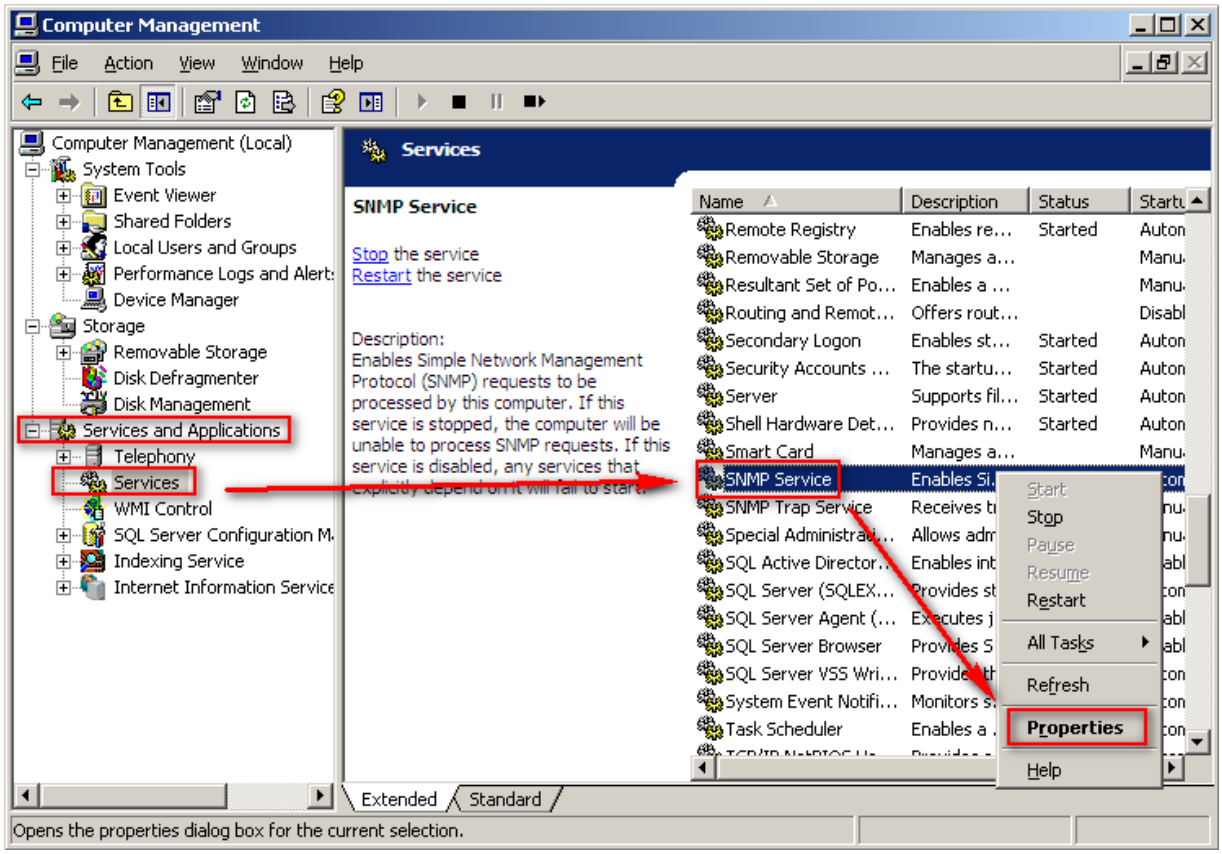


1-2. Set Up SNMP Agent in Windows Server 2003

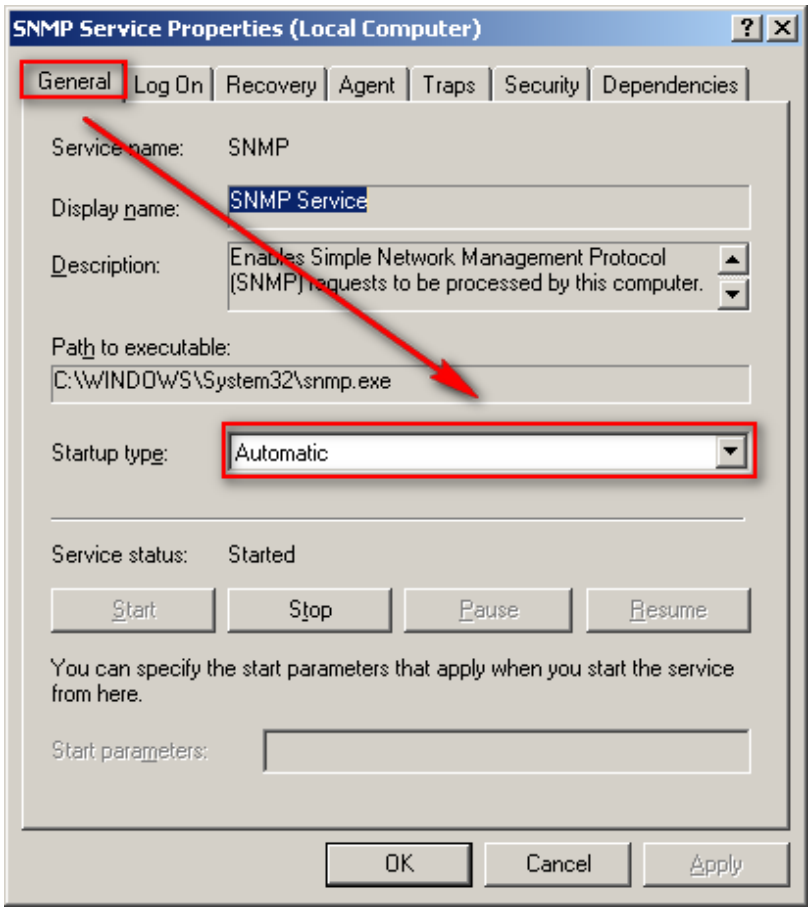
Click [Start/ Control Panel/ Administrative Tools/ Computer Management].



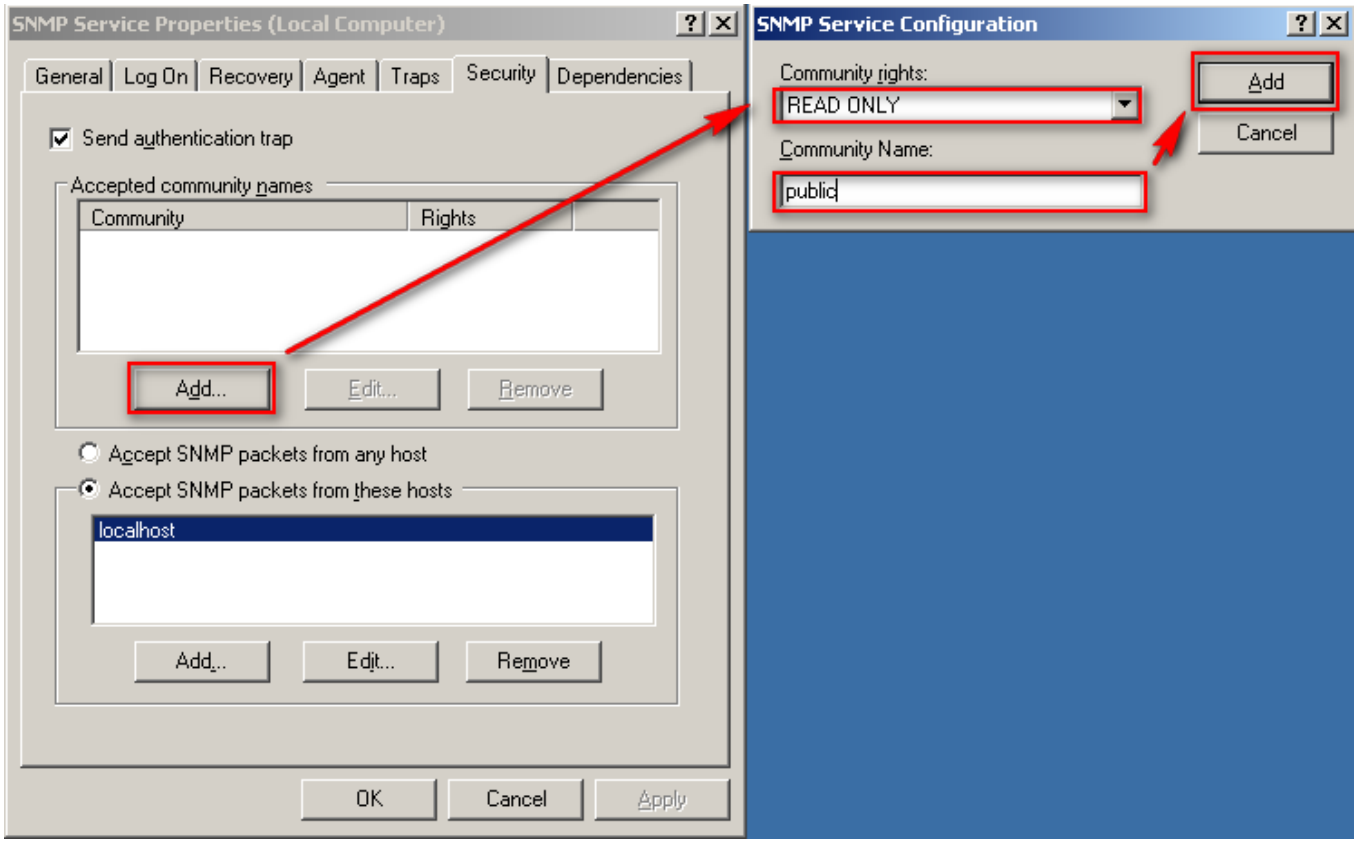
At the main interface tree catalog, extend [Services and Applications], then click [Services]. Right click [SNMP Service], then click [Properties].



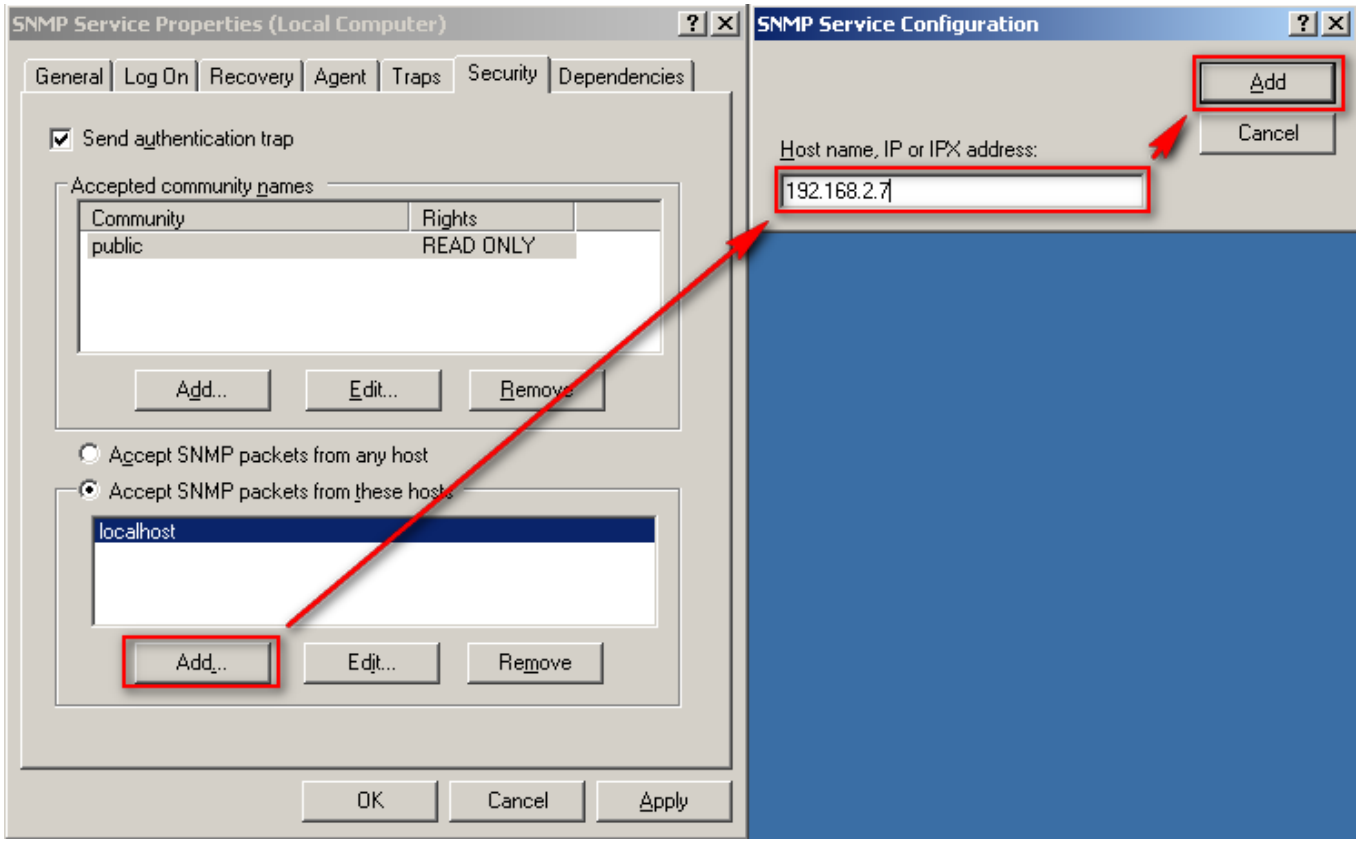
Click [General]. For Startup type, choose [Automatic]。



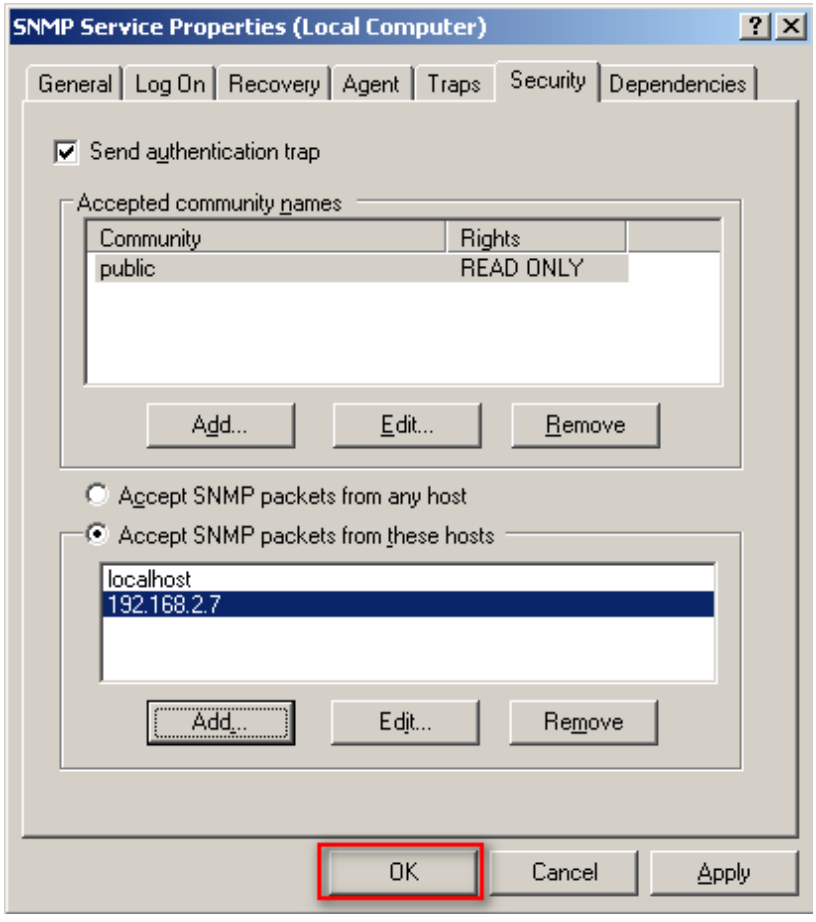
Click [Security/ Add]. Add [Accepted Community names]. For Community Rights, choose [Read-Only] and enter Community name. Click [Add]. In this example the Read-Only Community name is “public.”



Click [Add], then comes out the [SNMP Service Configuration] interface. [Host name, IP or IPX address] enter N-Reporter IP, in this example we enter 192.168.2.7. Click [Add].



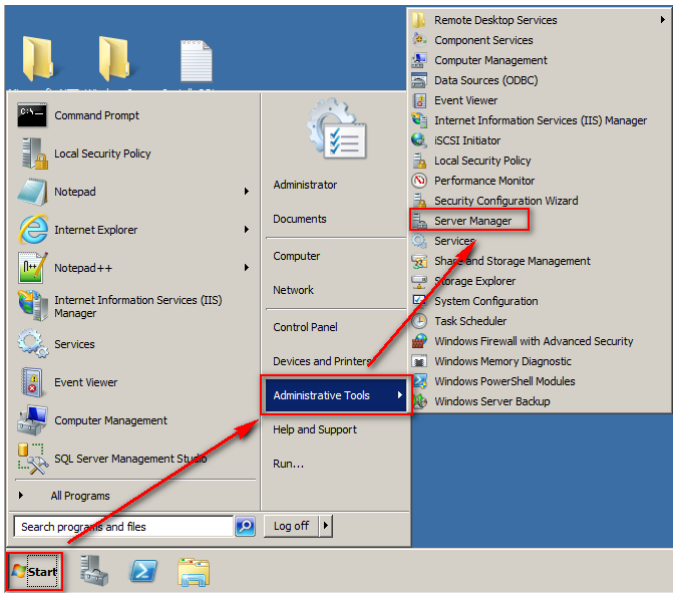
Click [OK].



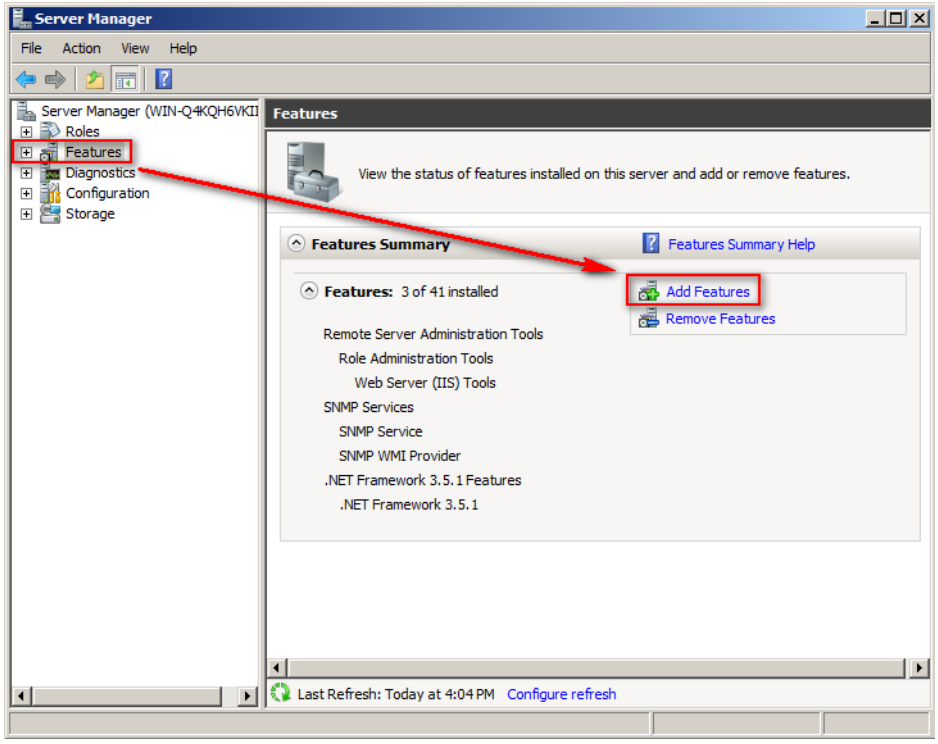
2.Set Up Windows Server 2008

2-1. Install SNMP Service in Windows Server 2008

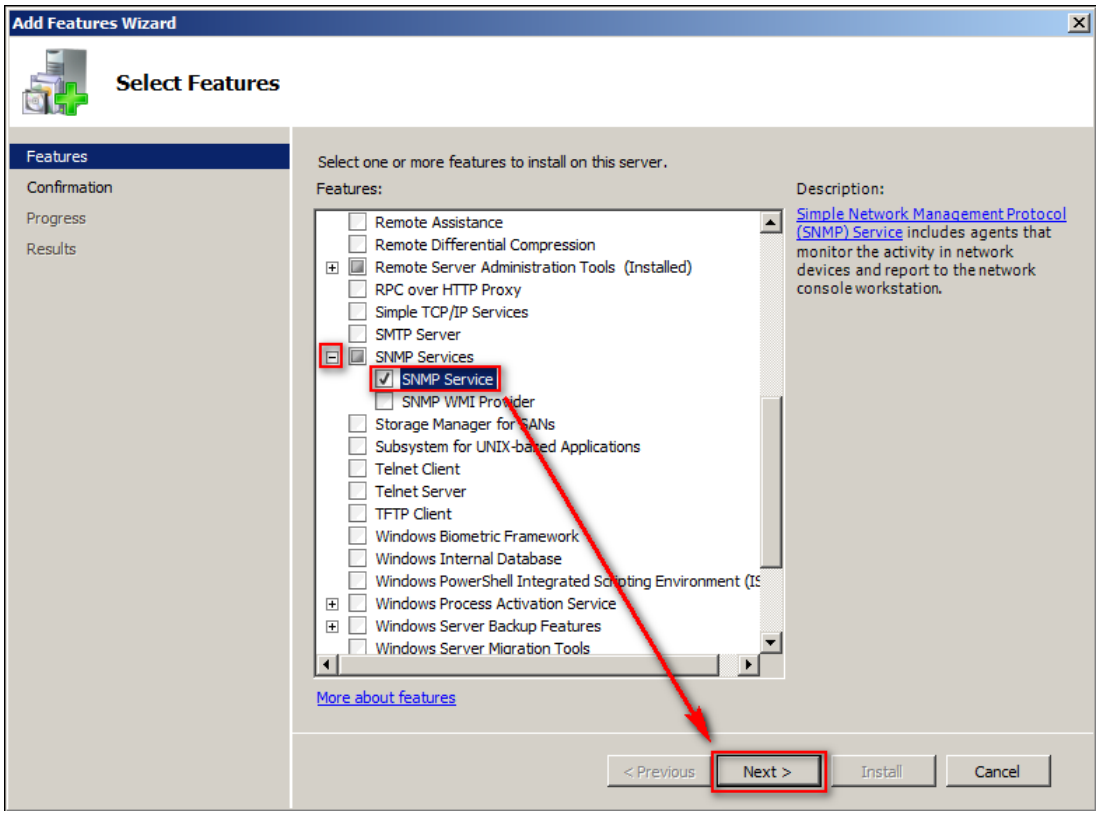
Click [Start/ Administrative Tools/ Server Manager].



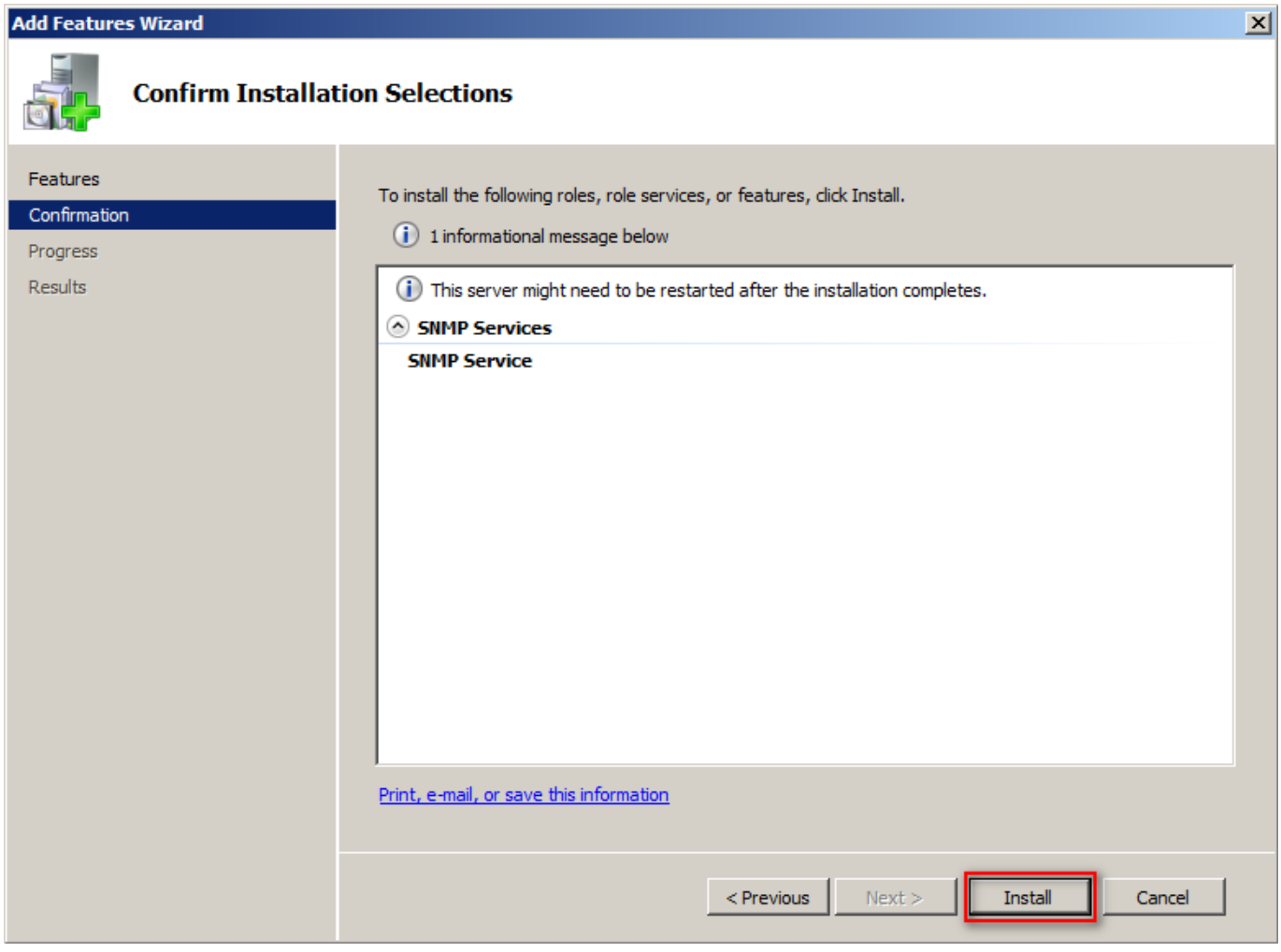
Click[Features/ Add Features].



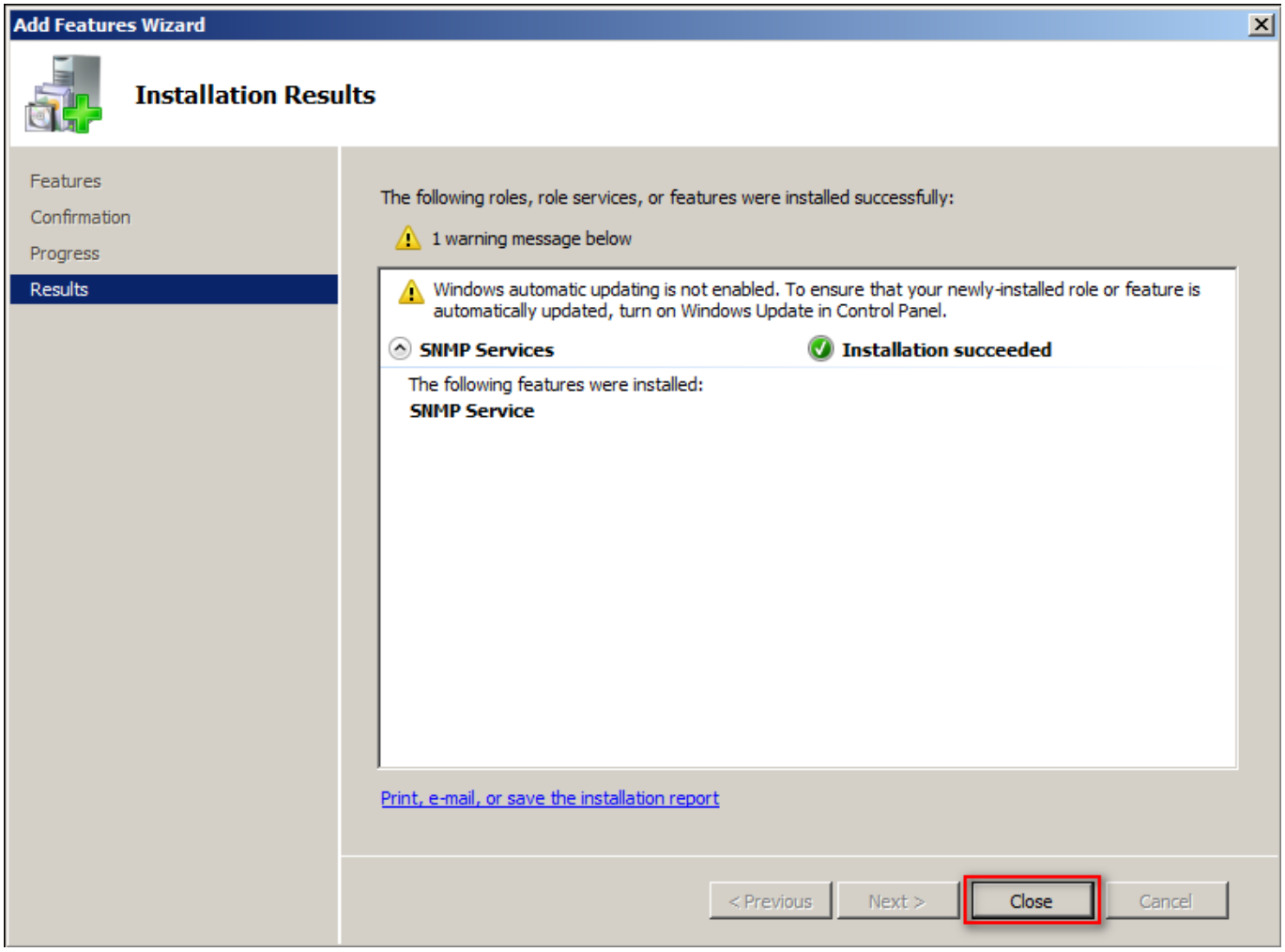
Open [SNMP services], check [SNMP Service], click [Next].



Click [Install].

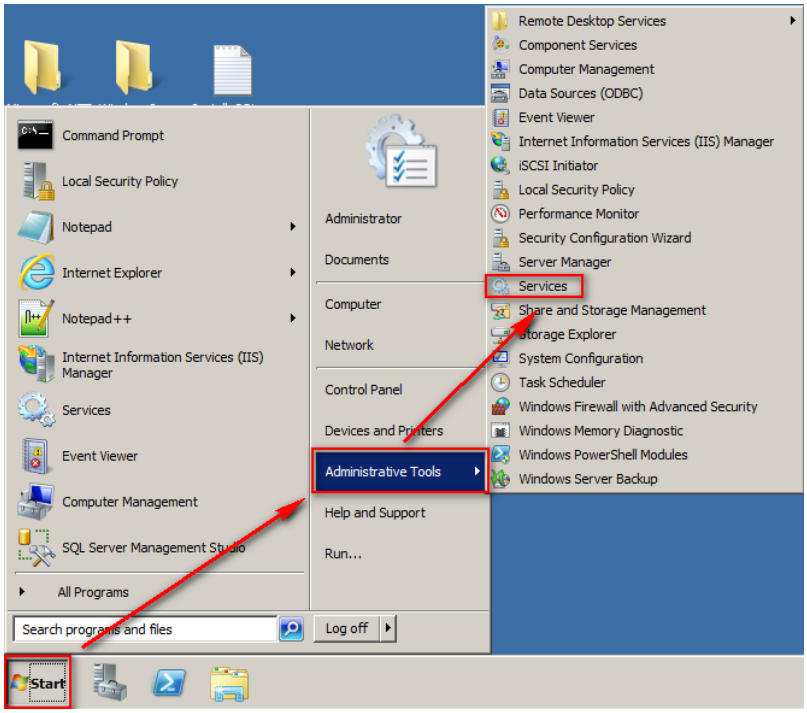


Click [Close].

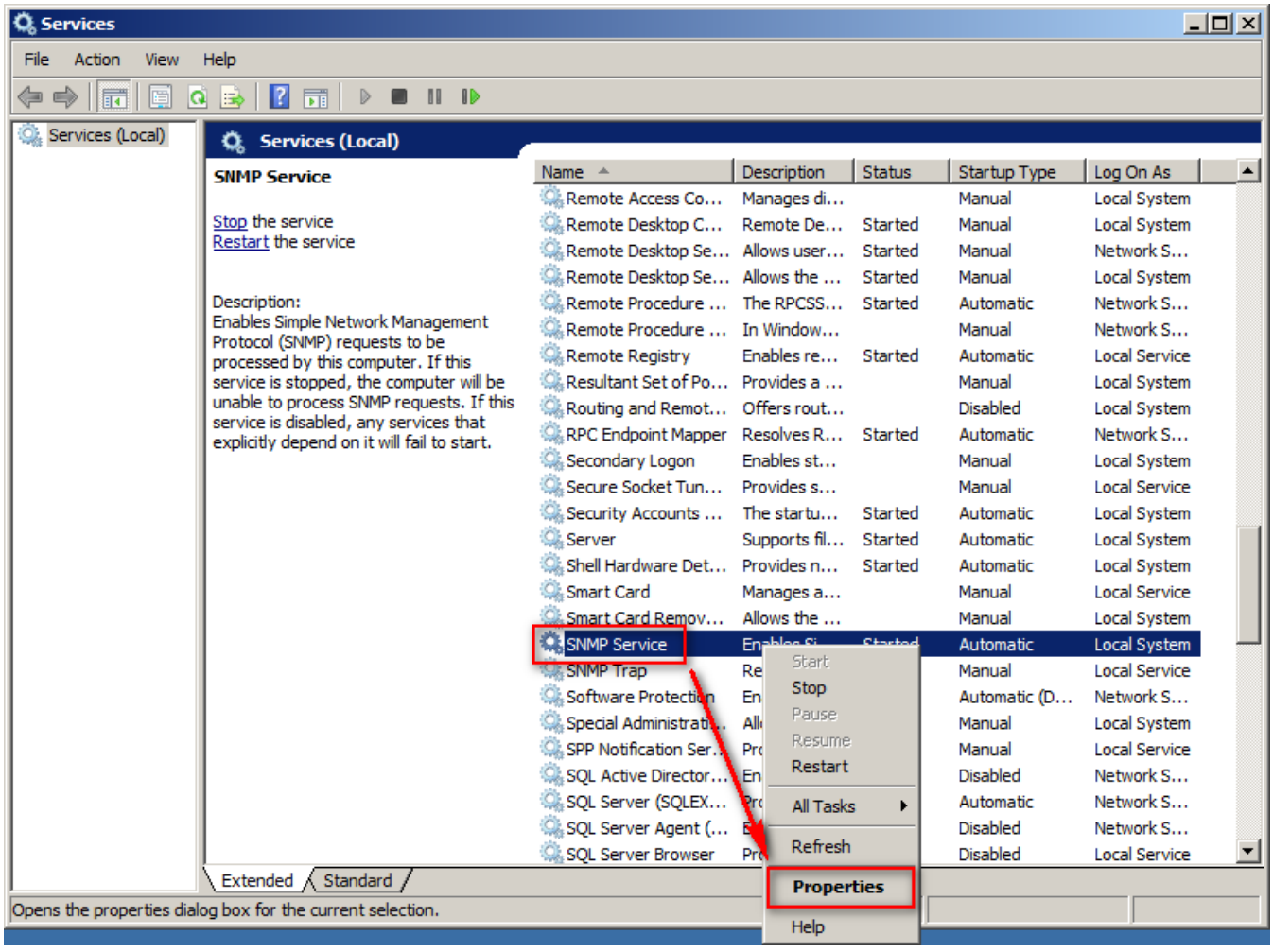

Add Features Wizard
Installation Results
Features
Confirmation
Progress
Results
The following roles, role services, or features were installed successfully:
1 warning message below
Windows automatic updating is not enabled. To ensure that your newly-installed role or feature is automatically updated, turn on Windows Update in Control Panel.
SNMP Services
Installation succeeded
The following features were installed:
SNMP Service
Print, e-mail, or save the installation report
< Previous
Next >
Close
Cancel

2-2. Set Up SNMP Agent in Windows Server 2008

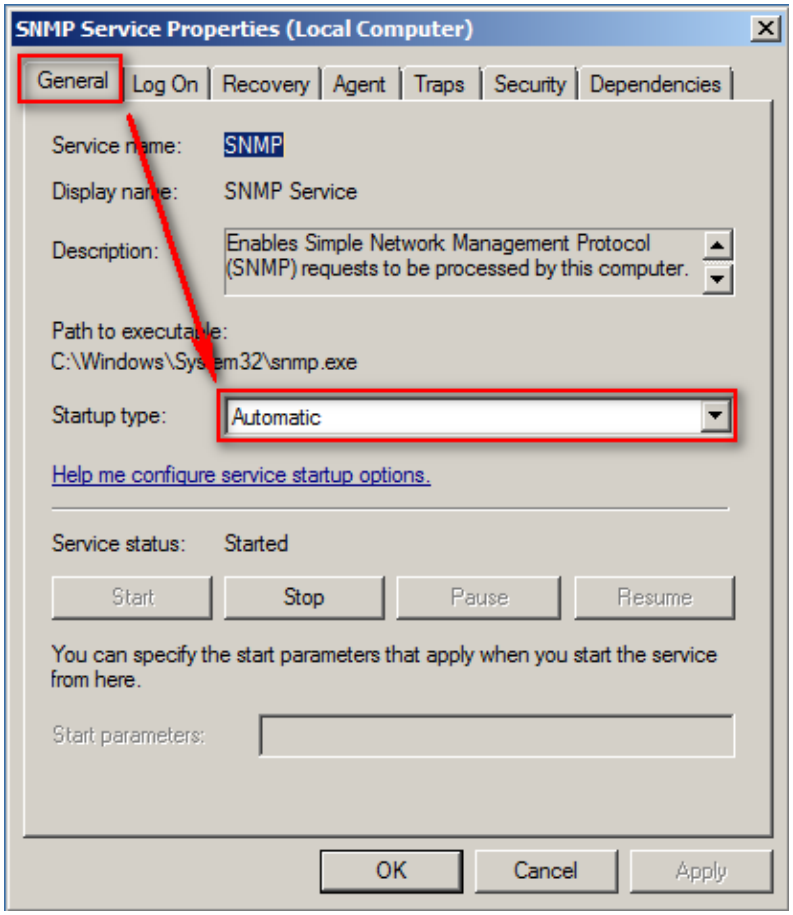
Click [Start/ Administrative Tools/ Services].



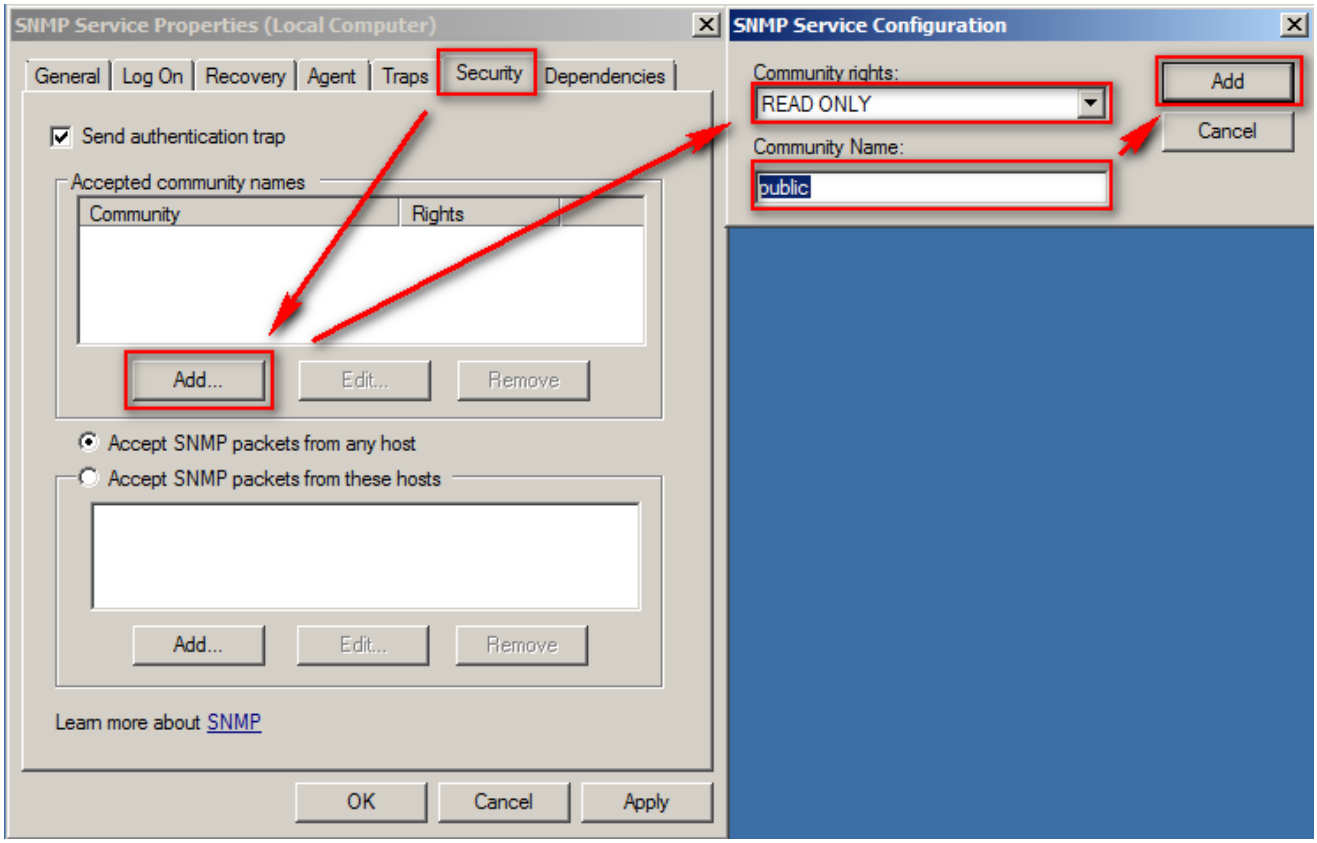
Right click [SNMP Service], then click [Properties].



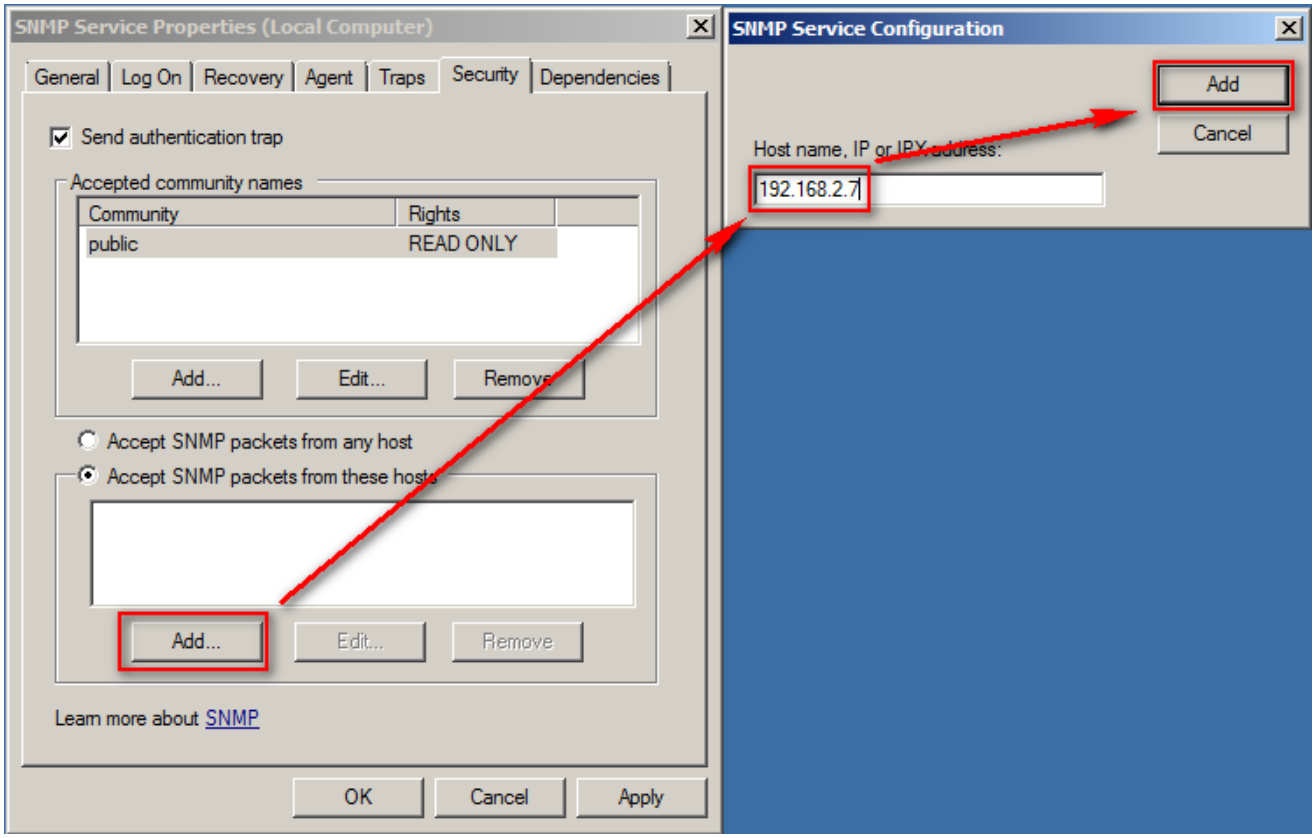
Click [General]. For Startup type, please choose [Automatic].



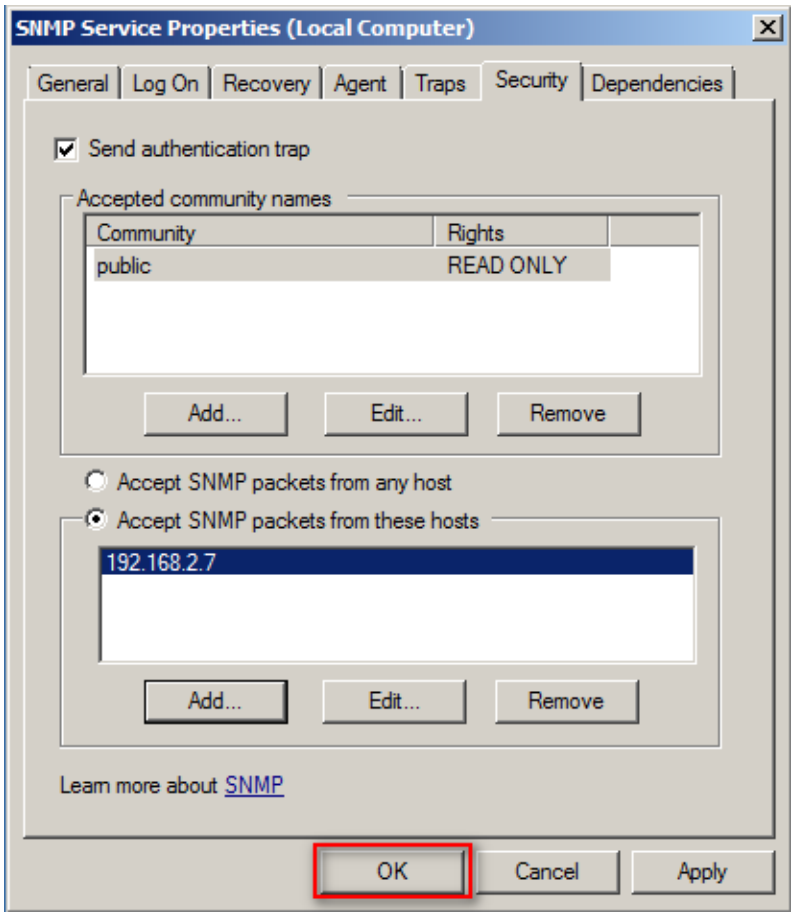
Click [Security/ Add]. Add [Accepted Community names]. For Community Rights, choose [Read-Only] and enter Security Community name. Click [Add]. In this example the Read-Only Community name is "public."



Click [Add], then comes out the [SNMP Service Configuration] interface. [Host name, IP or IPX address] enter N-Reporter IP, in this example we enter 192.168.2.7. Click [Add].



Click [OK].

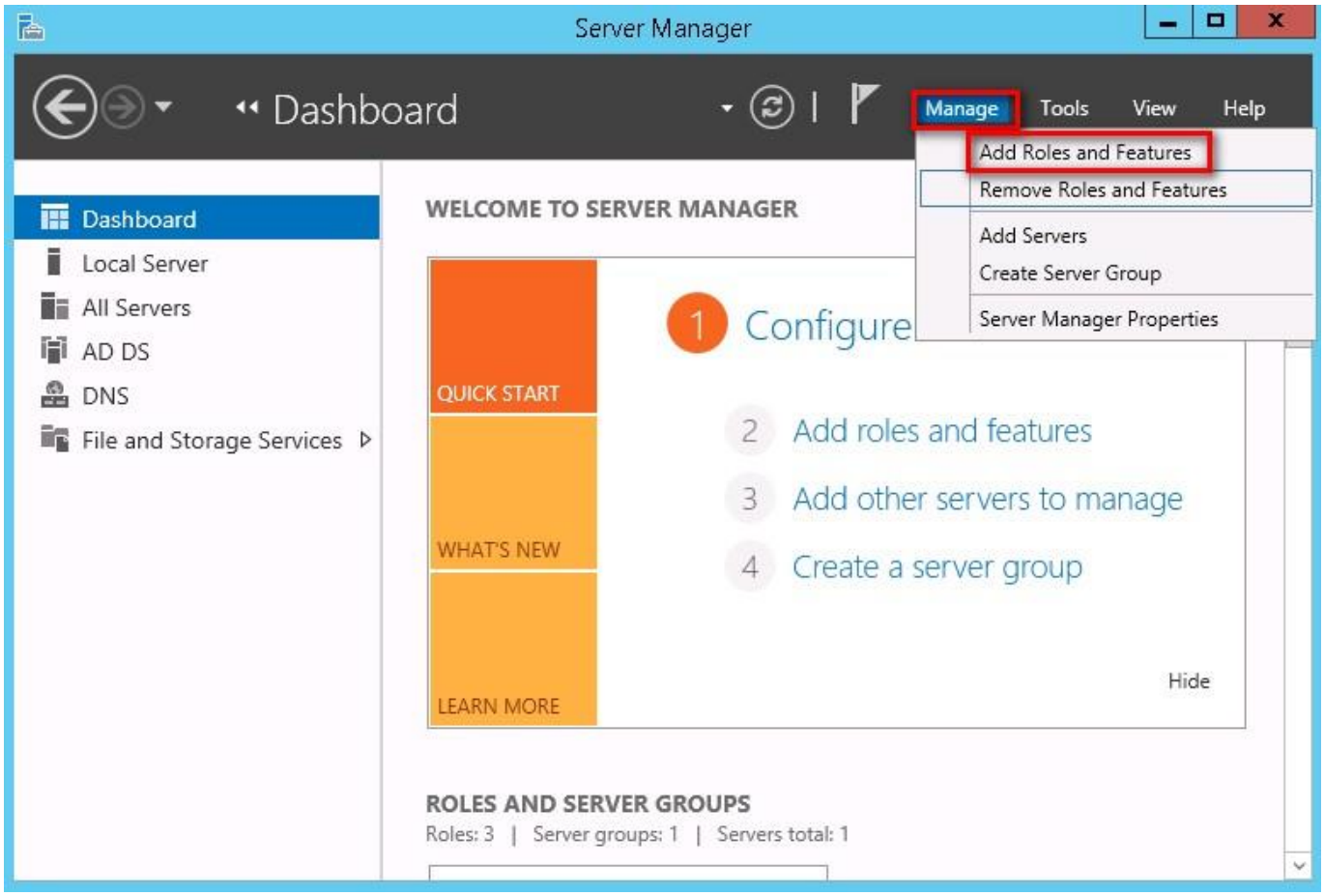


3.Set Up Windows Server 2012

3-1. Install SNMP Service in Windows Server 2012

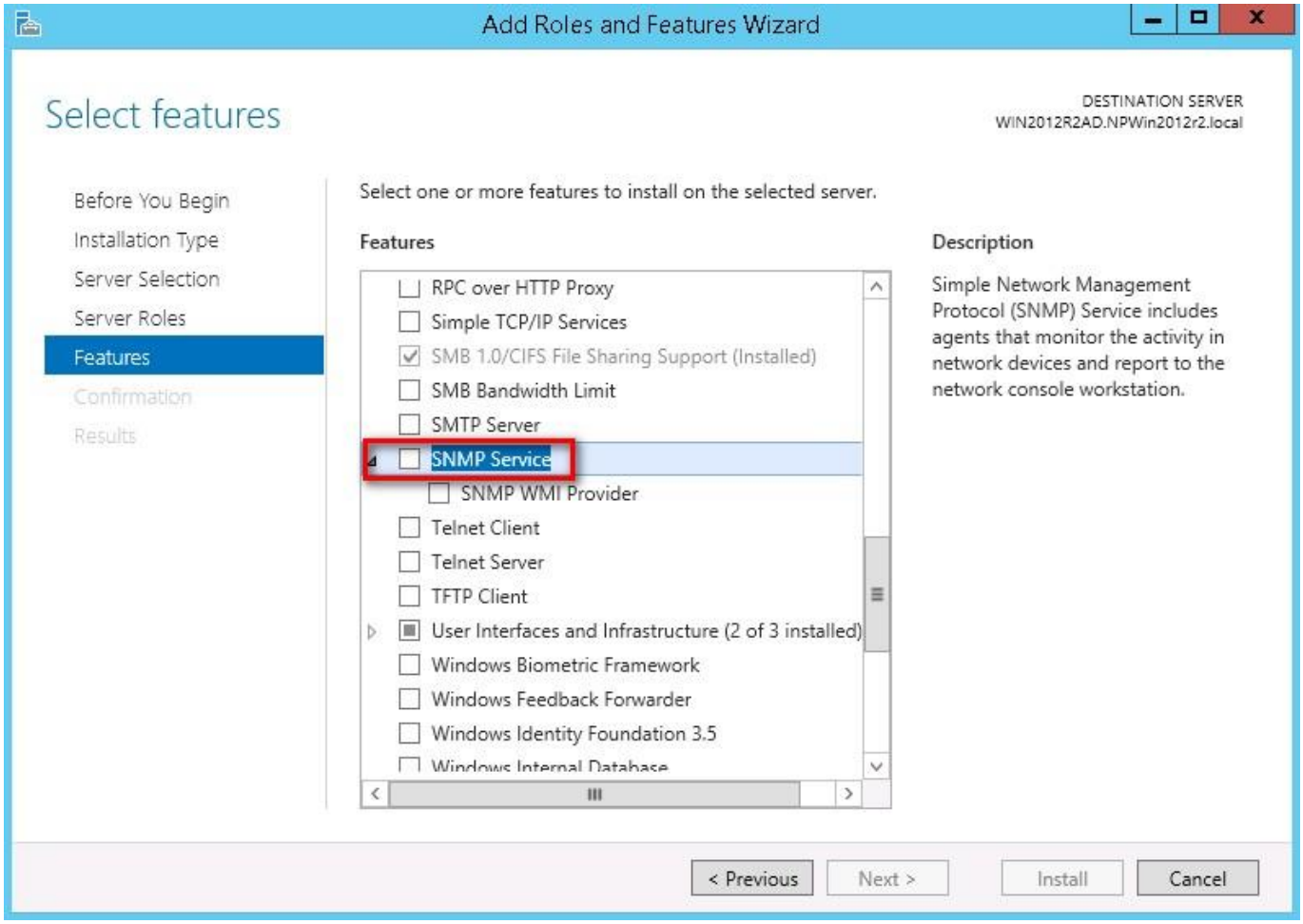
Click [Start / Server Manager] ◦

Click [Manage / Add Roles and Features] ◦

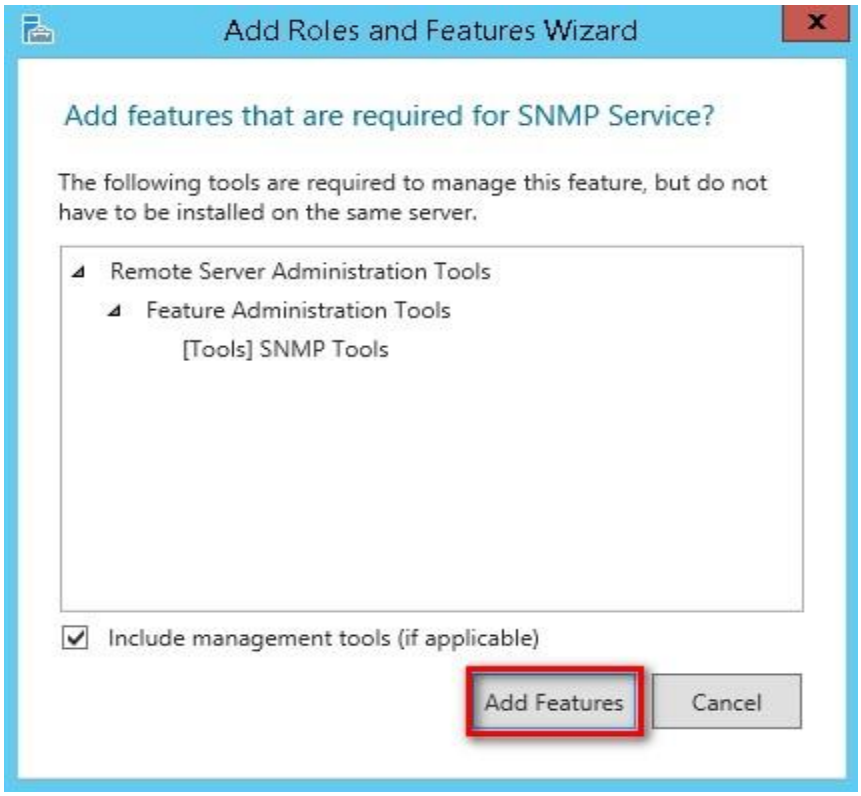


Click [Next / Next / Next / Next]

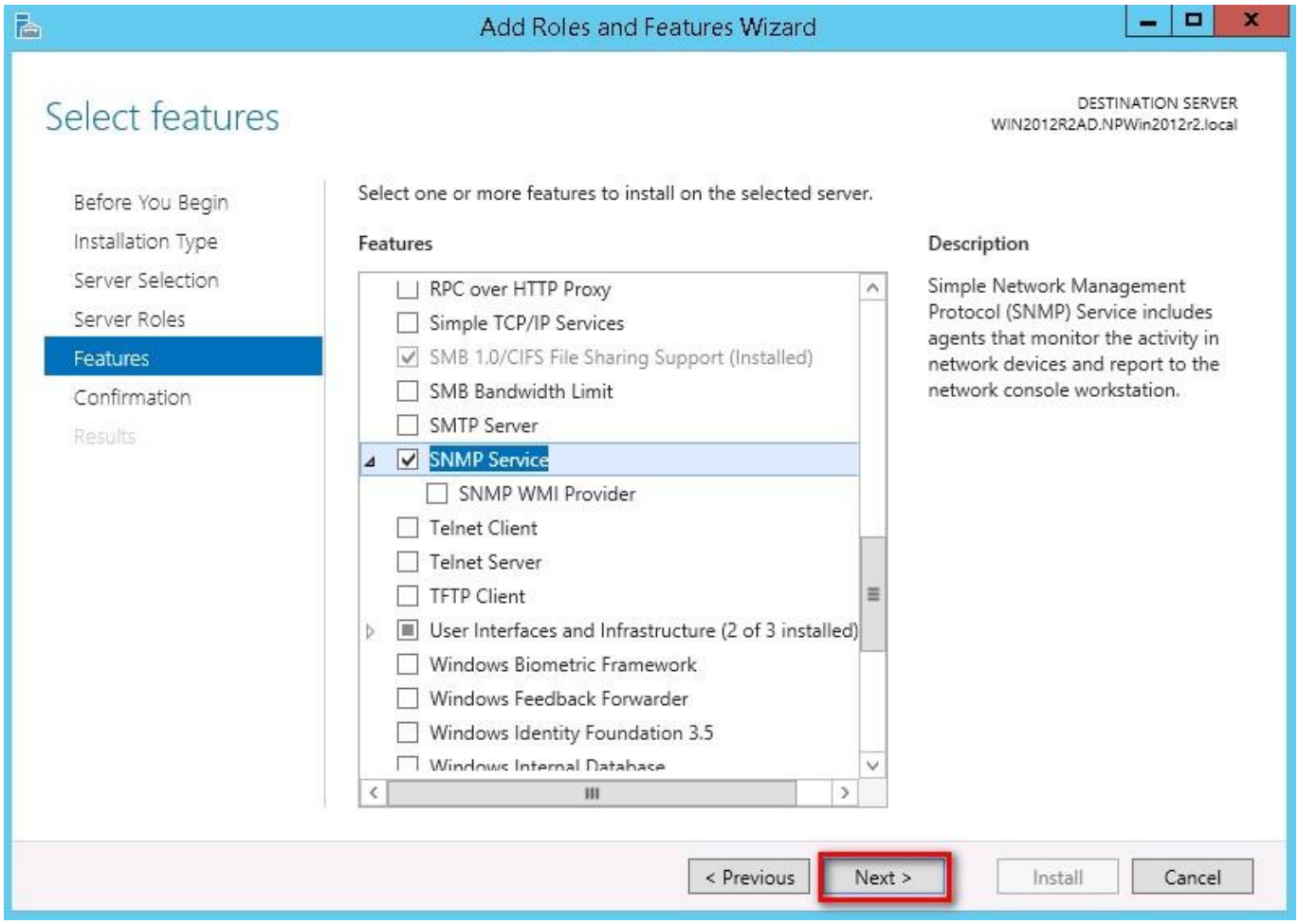
Check [SNMP Service]



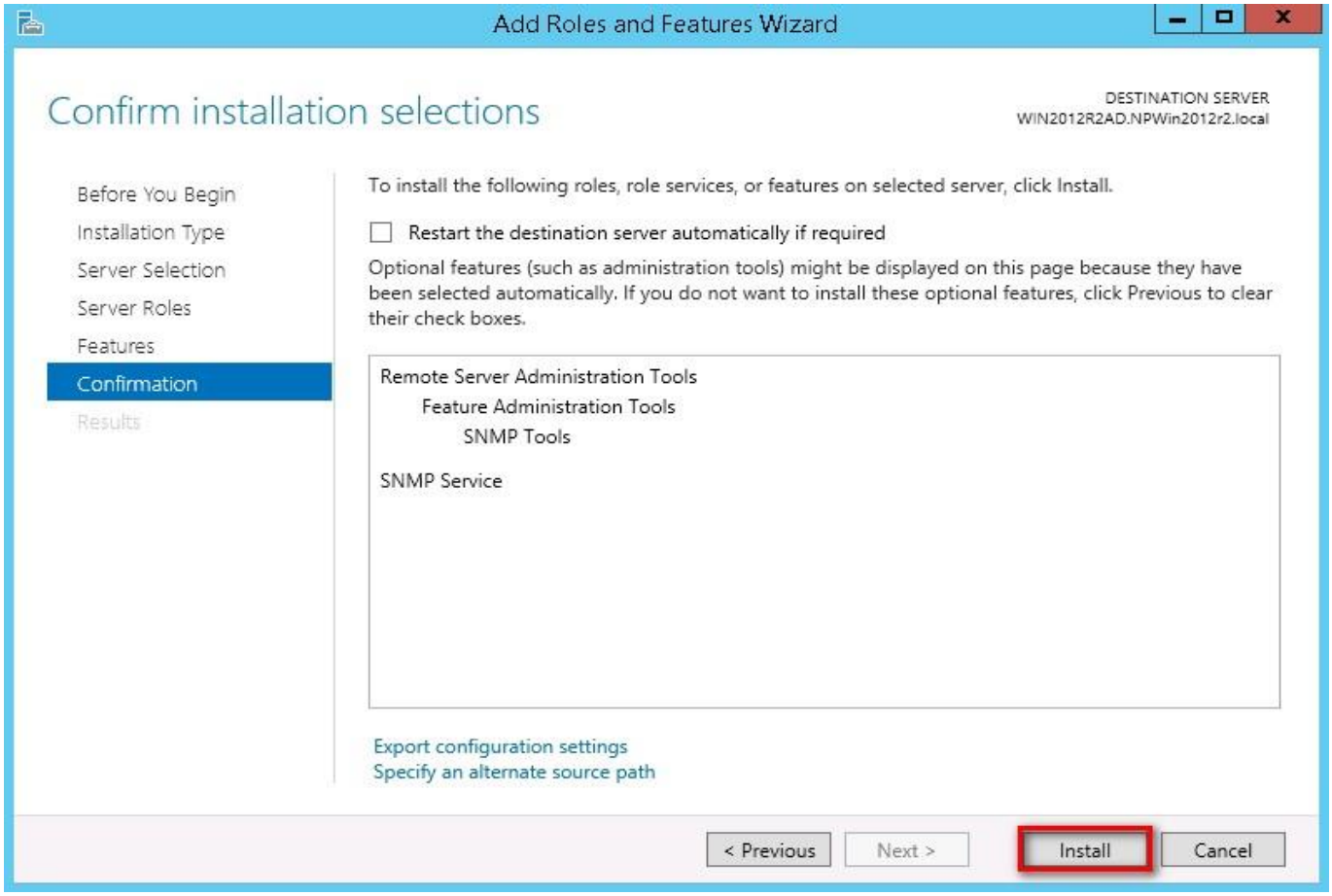
Click [Add Features]。



Click [Next]。

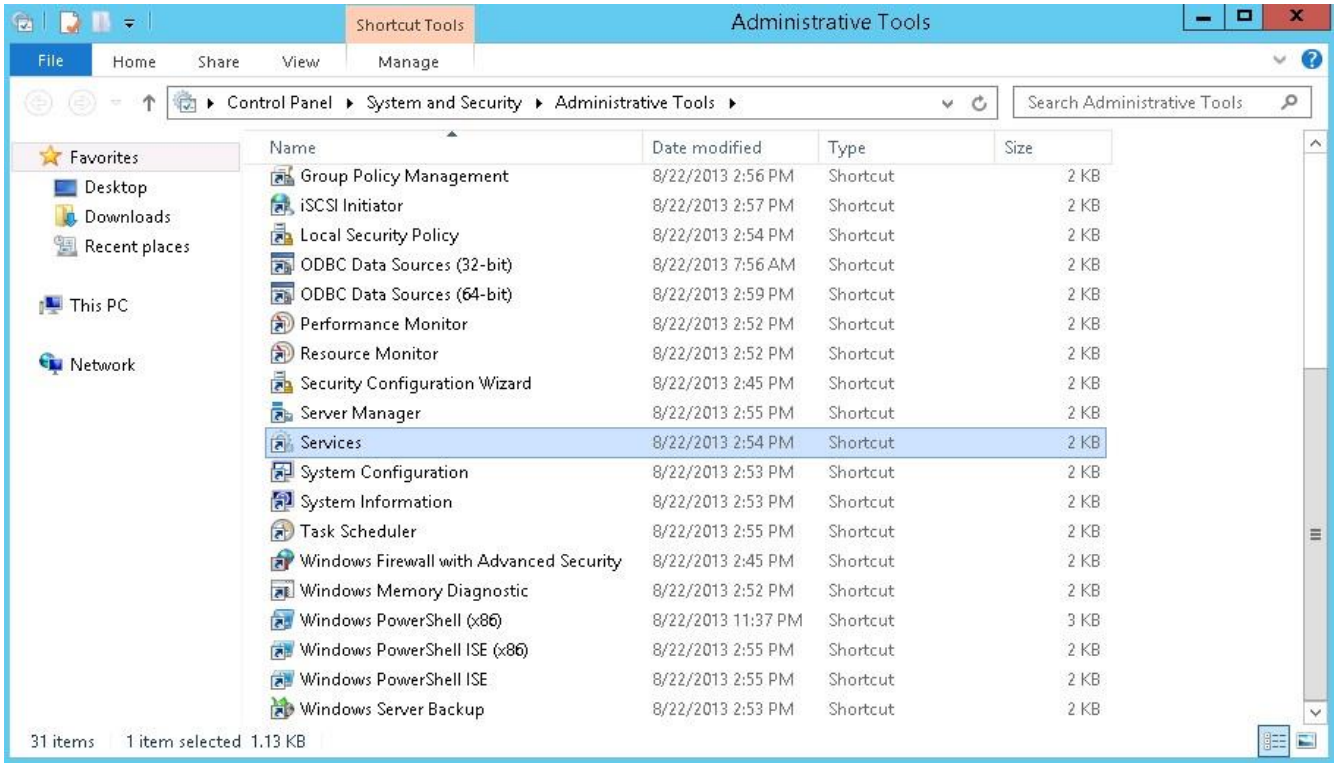


Click [Install]。

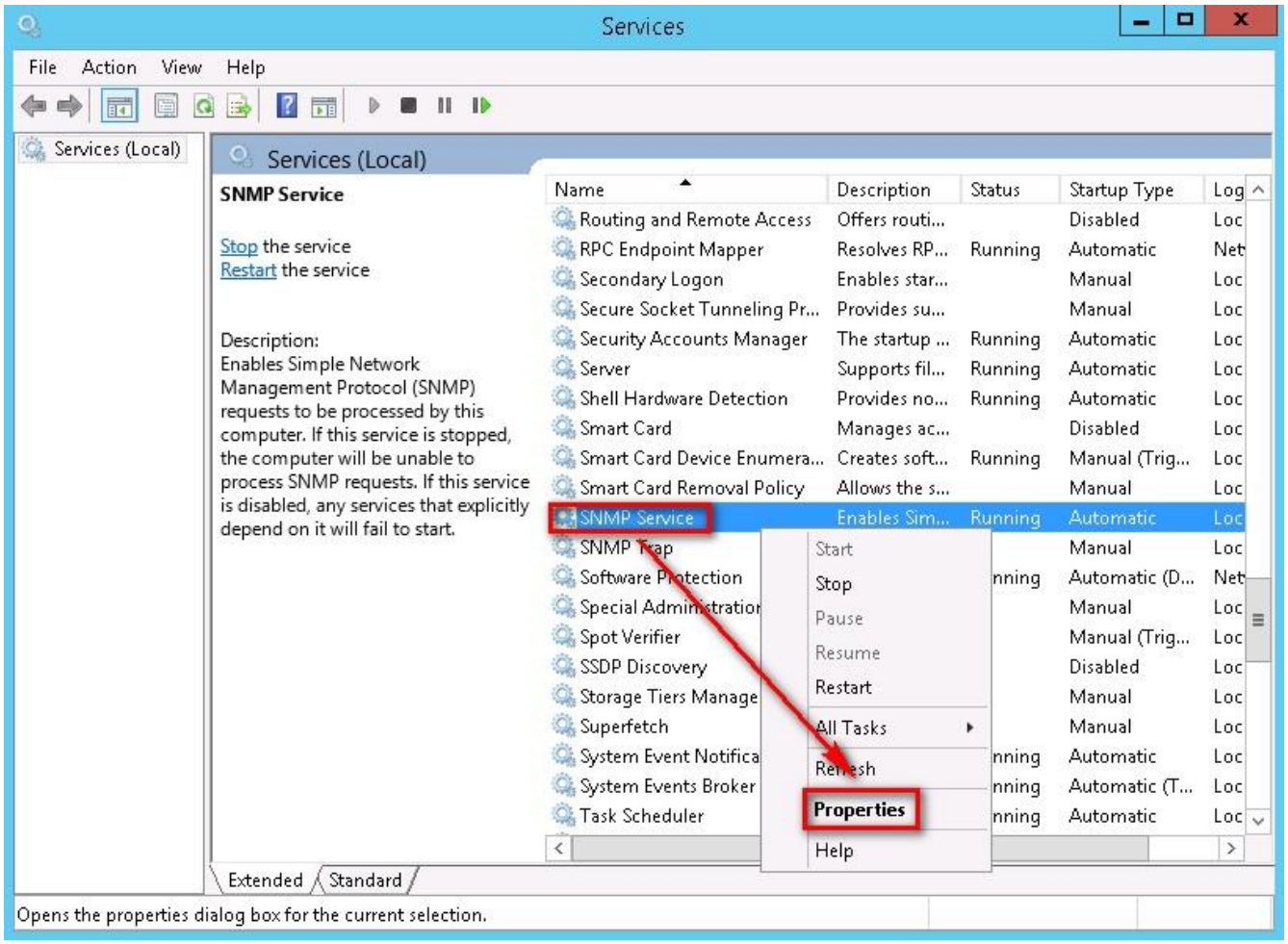


3-2. Set Up SNMP Agent in Windows Server 2012

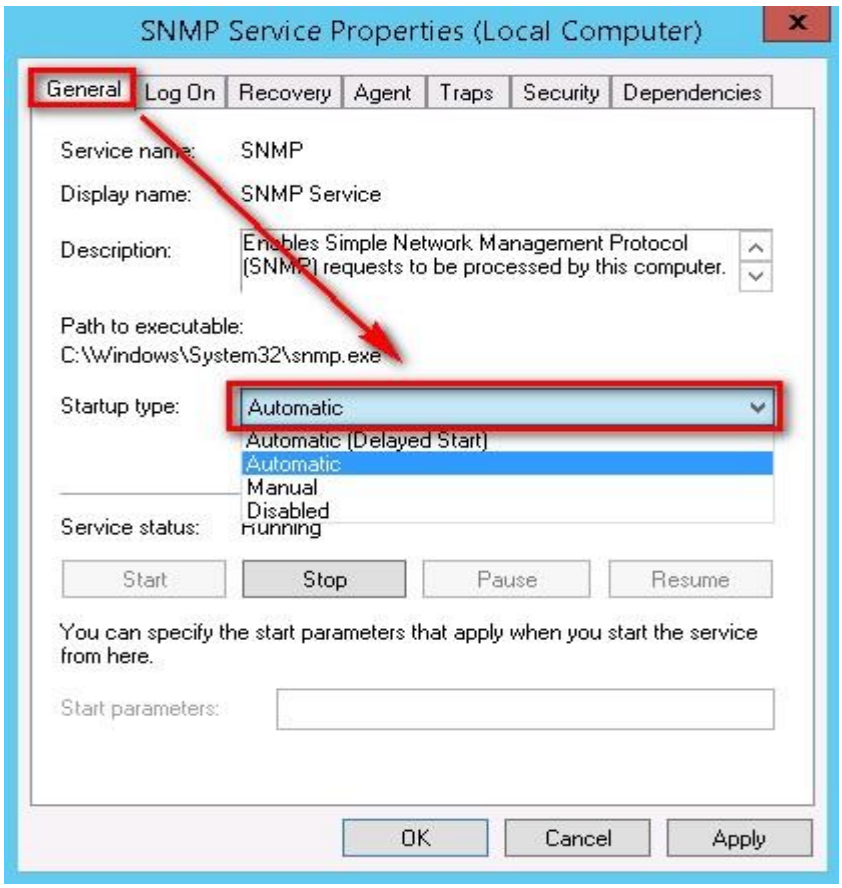
Click[Start / Administrative Tools / Services].



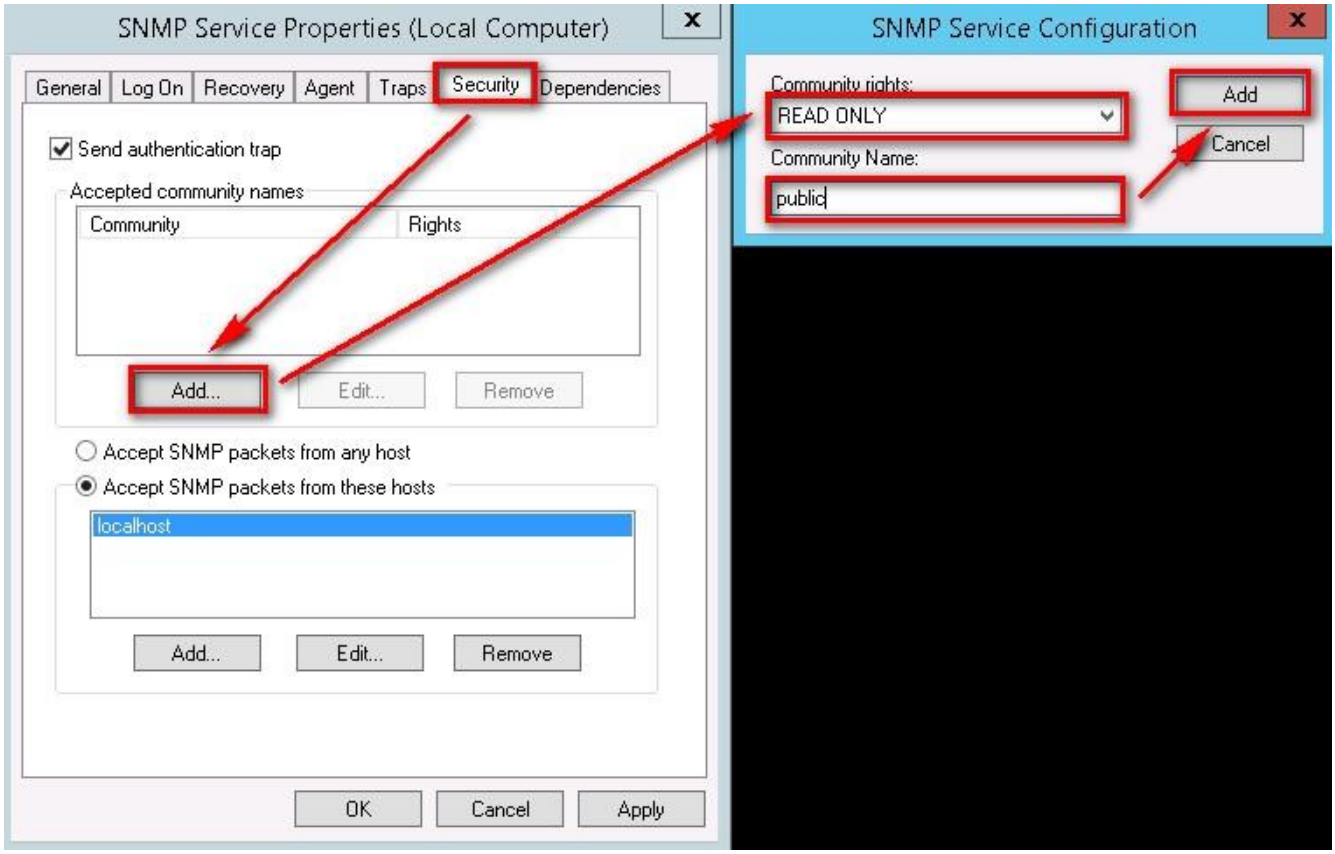
Right click [SNMP Service], then click [Properties].



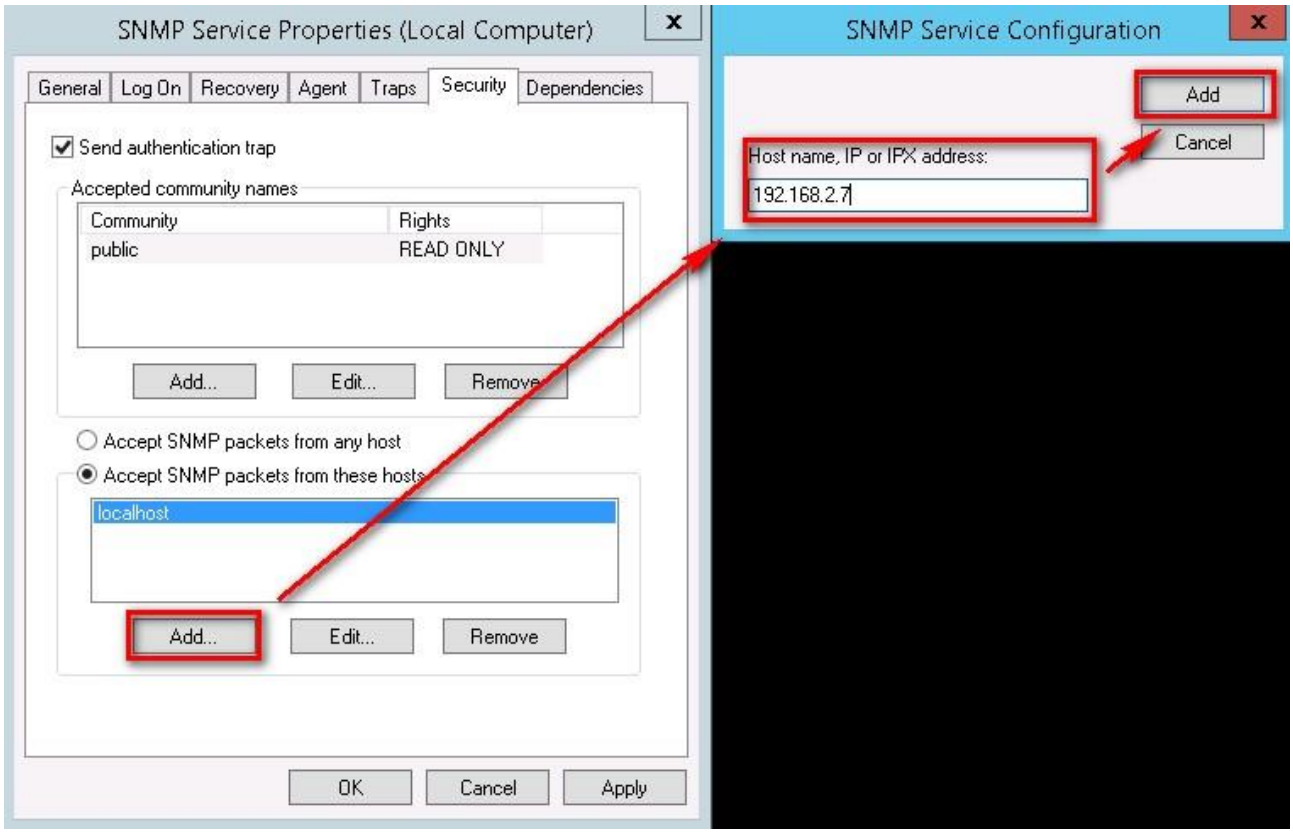
Click [General], for Startup type, choose [Automatic].



Click [Security/ Add]. Add [Accepted Community names]. For Community Rights, choose [Read-Only] and enter Security Community name. Click [Add]. In this example the Read-Only Community name is “public“.



Click [Add], then comes out the [SNMP Service Configuration] interface. [Host name, IP or IPX address] enter N-Reporter IP, in this example we enter 192.168.2.7. Click [Add].



Click [OK].

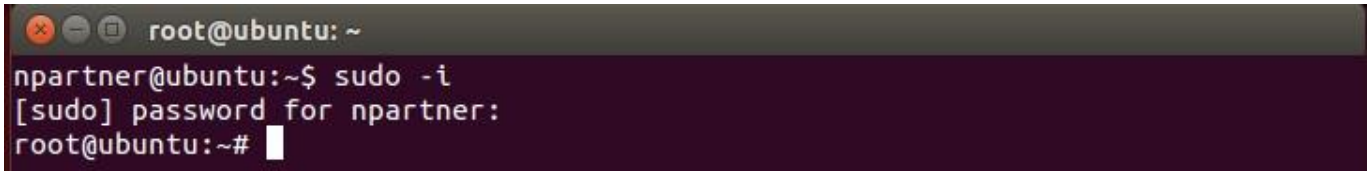
4.Set Up Ubuntu/Debian

4-1. Install SNMP Service in Ubuntu/Debian

Start [Terminal].

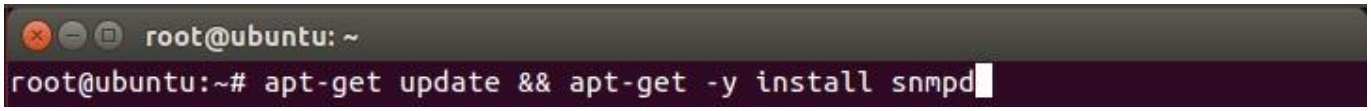
Note : Administrators may also login Ubuntu through SSH.

```
sudo -i        ##enter the account and password, switch the root authorization.
```



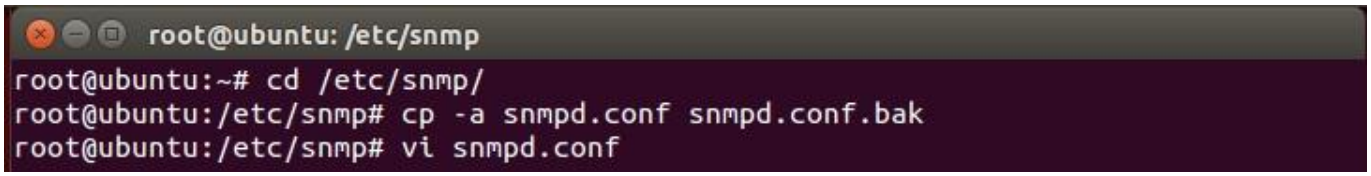
Note : For Debian users please enter ” su -” , then enter the root password.

```
apt-get update && apt-get -y install snmpd
```



4-2. Set Up SNMP Agent in Ubuntu/Debian

```
cd /etc/snmp                    ## Switch to SNMP setting path.
cp -a snmpd.conf snmpd.conf.bak ## Back up the original profile.
vi snmpd.conf                   ## Edit SNMP Agent profile.
```




```
#agentAddress udp:127.0.0.1:161     ## Annotate this line.
agentAddress udp:161,udp6:[::1]:161 ## Delete the pound sign"#"
```

```
root@ubuntu: /etc/snmp
 14 #  Listen for connections from the local system only
 15 #agentAddress  udp:127.0.0.1:161
 16 #  Listen for connections on all interfaces (both IPv4 *and* IPv6)
 17 agentAddress udp:161,udp6:[::1]:161
 18
 19
"snmpd.conf" 194L, 6941C written                          15,1          6%
```

rocommunity public 192.168.2.7/32 ## Add a read-only community name: public, and allow N-Reporter(IP 192.168.2.7) access.

```
root@ubuntu: /etc/snmp
 47                                                 #  Full access from the loc
    al host
 48 #rocommunity public  localhost
 49 rocommunity public 192.168.2.7/32
 50
 51  rocommunity public  default    -V systemonly
"snmpd.conf" 194L, 6941C written                        50,0-1        24%
```

vi /etc/default/snmpd

```
root@ubuntu: /etc/snmp
root@ubuntu:/etc/snmp# vi /etc/default/snmpd
```

export MIBDIRS=/usr/share/snmp/mibs ## Command MIB path.

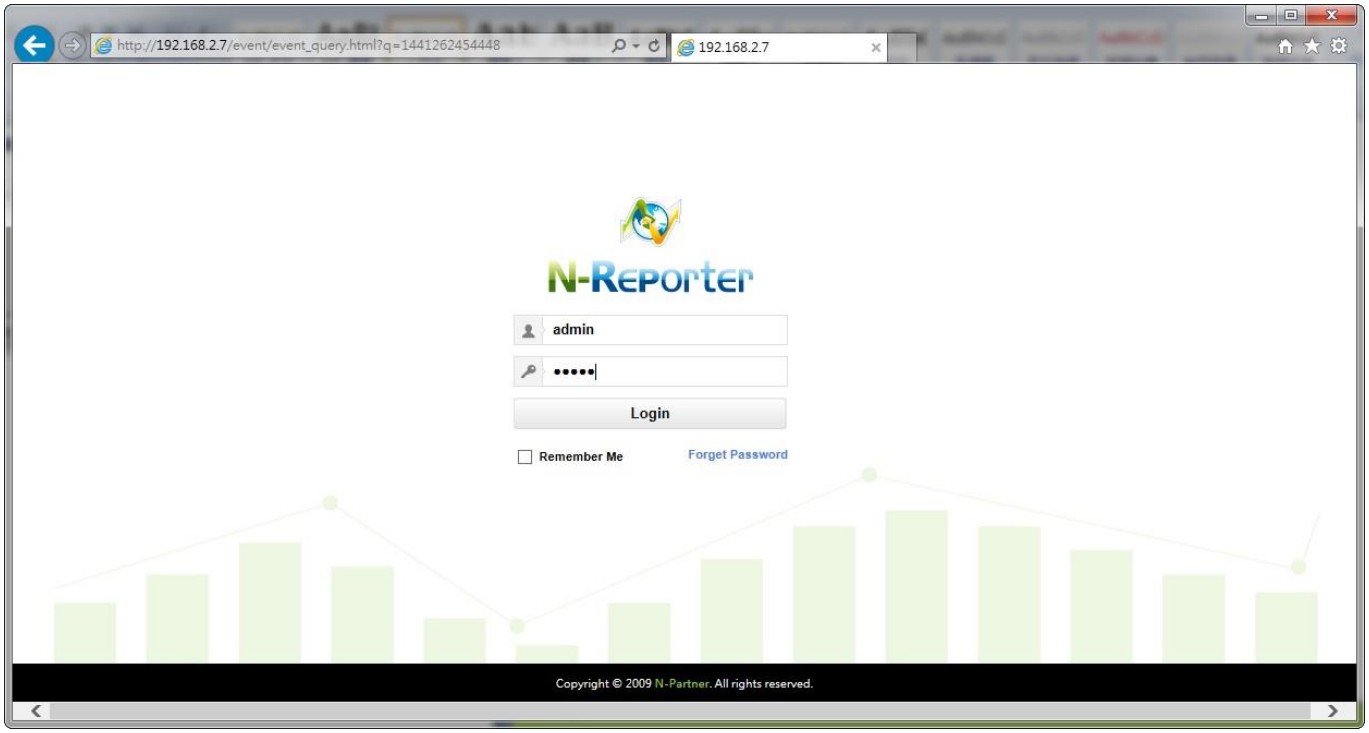
```
root@ubuntu: /etc/snmp
  3 # Don't load any MIBs by default.
  4 # You might comment this lines once you have the MIBs downloaded.
  5 export MIBS=/usr/share/snmp/mibs
  6
  7 # snmpd control (yes means start daemon).
  8 SNMPDRUN=yes
  9
"/etc/default/snmpd" 19L, 688C written                    6,0-1         16%
```

/etc/init.d/snmpd start ## Start snmpd.

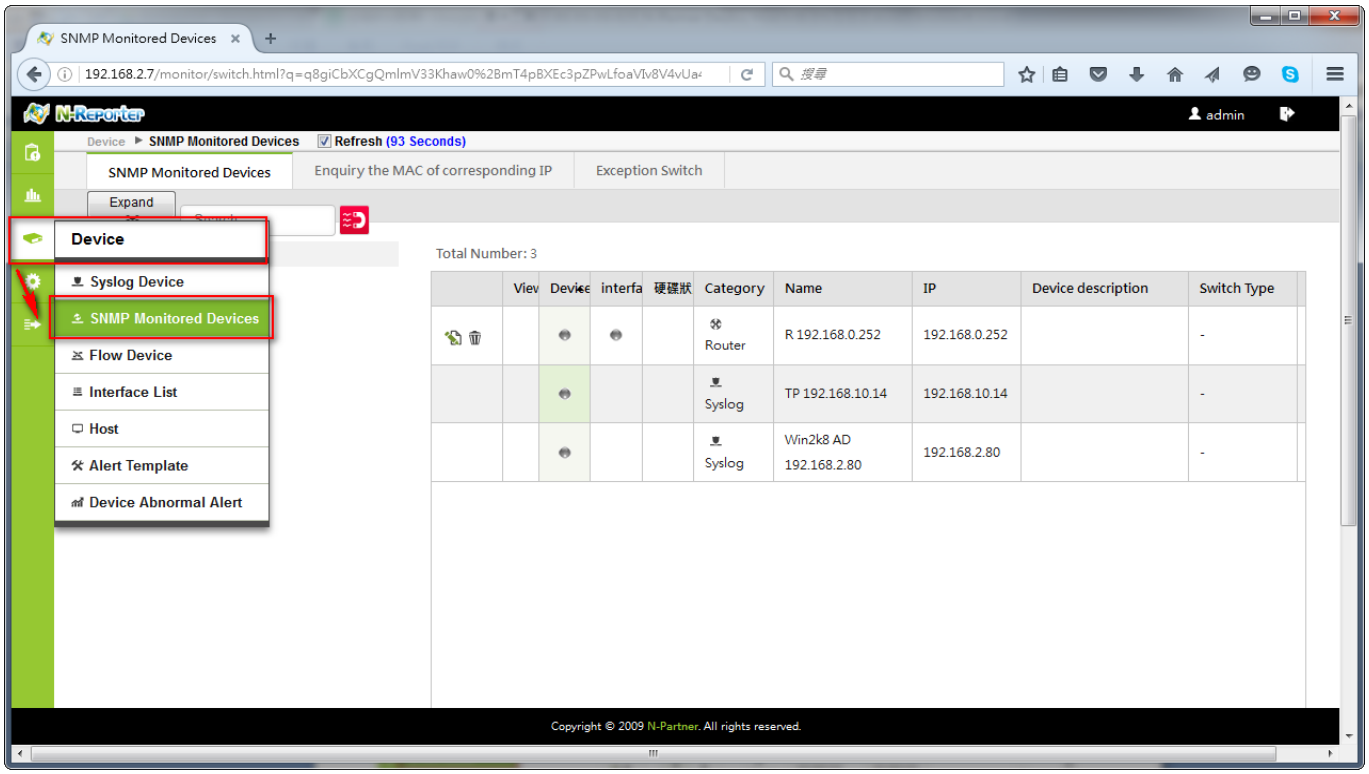
```
root@ubuntu: /etc/snmp
root@ubuntu:/etc/snmp# /etc/init.d/snmpd start
 * Starting network management services:
```

5. Add Host MIB device to N-Reporter

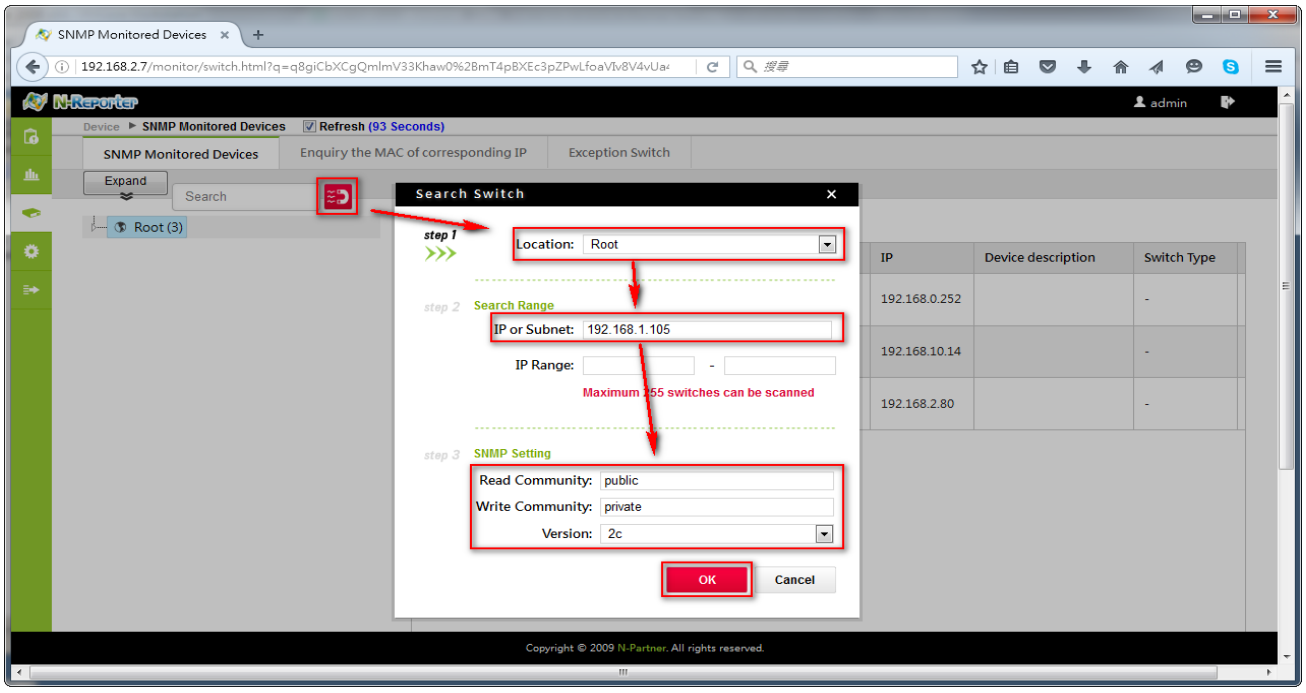
Enter http://$N-Reporter_IP in the address bar of the browser. In this example we enter http://192.168.2.7. Enter N-Reporter administrator account/password, which is preset admin/admin. Click [Login] to access N-Reporter Web.



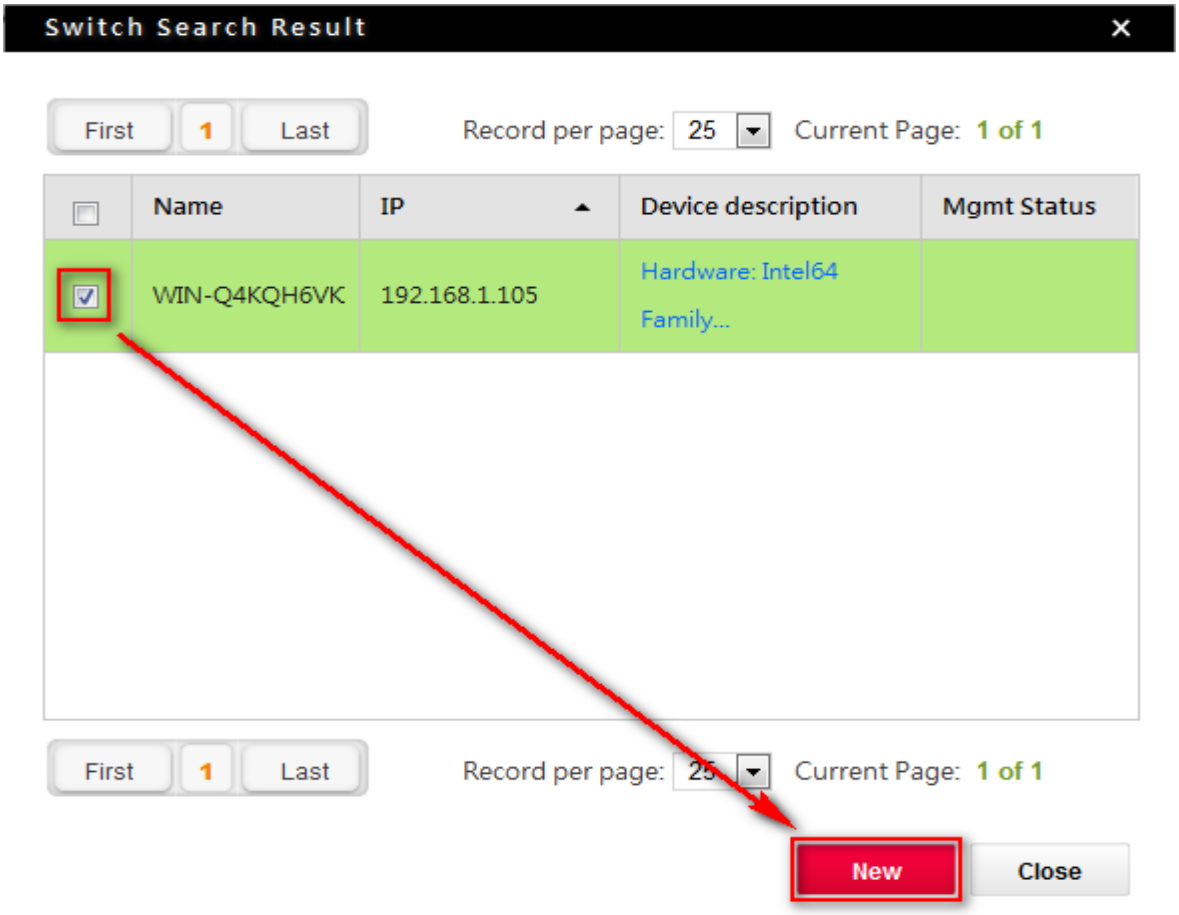
Click [Device / SNMP Monitored Devices]



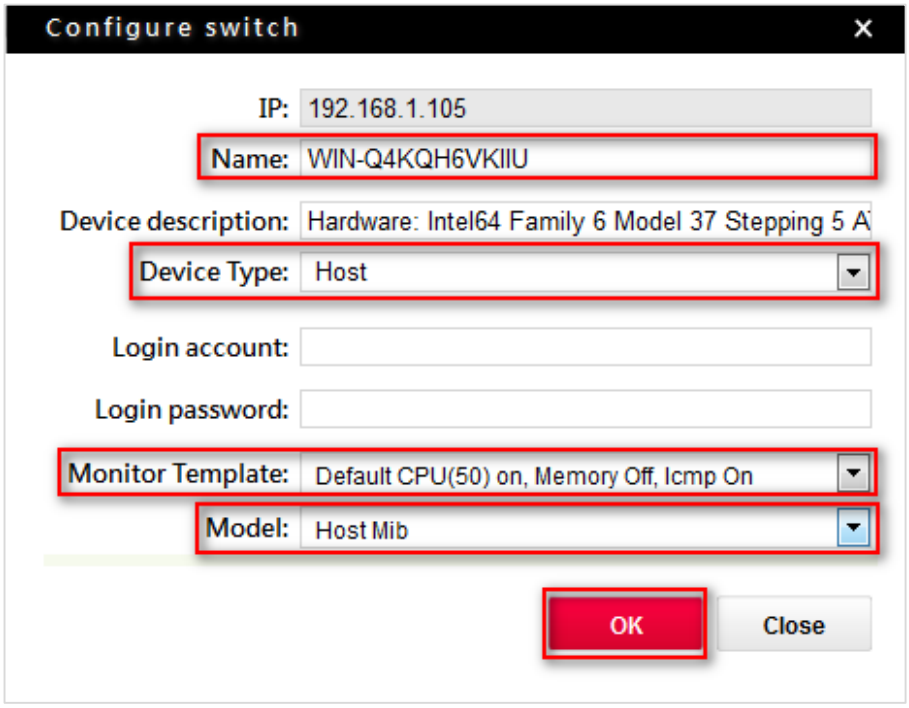
Click [Search Switch] icon. For [Location], choose the network section the new HOSTs is at. In this example it is “Root”. Enter HOST IP at [IP or Subnet], in this example we enter "192.168.1.105". In [SNMP Setting], enter "public" in [Read Community]. Choose 2c for [Version]. Then click [OK].



For [Switch Search Result], check Host Mib device. In this case it is SQL-SERVER. Click [New].



Enter the device name in [Name]. Choose [Host] for[Device Type]. Choose a monitor template, in this example the preset template is "Default CPU(50) on, Memory Off, Icmp On.” For [Model], choose [Host Mib]. Click [OK].



Note : N-Reporter supports SNMP v1、v2c、v3.

Technical Support：

Email: support@npartnertech.com

Skype：support@npartnertech.com

Sales Information：

Email: sales@npartnertech.com