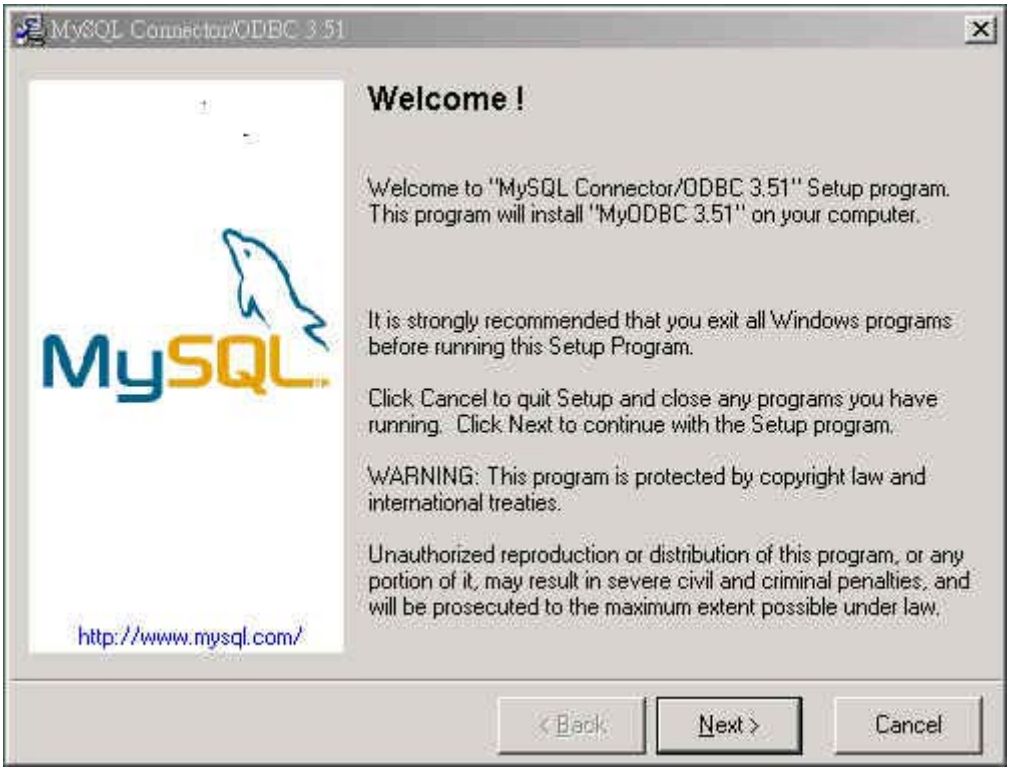
Remote monitoring by Office Excel

Preparation

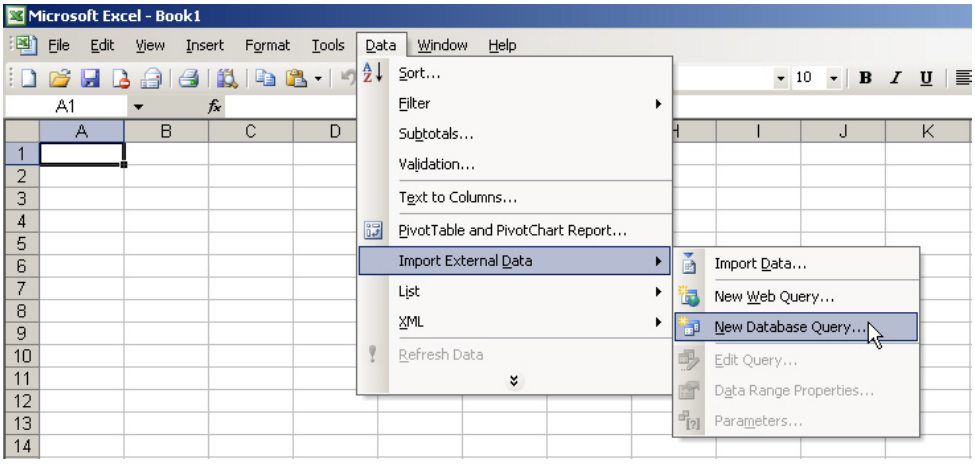
1. Download “MyODBC-3.51.06.exe” from following Link: http://ftp.up.ac.za/pub/windows/mysql/Downloads/MyODBC3/MyODBC-3.51.06.exe
2. Execute “MyODBC-3.51.06.exe”, and install it.

Use Excel to receive and monitor the Inbound, Outbound, or Info’s data of “Accounting Report” through the MyODBC in MySQL program.

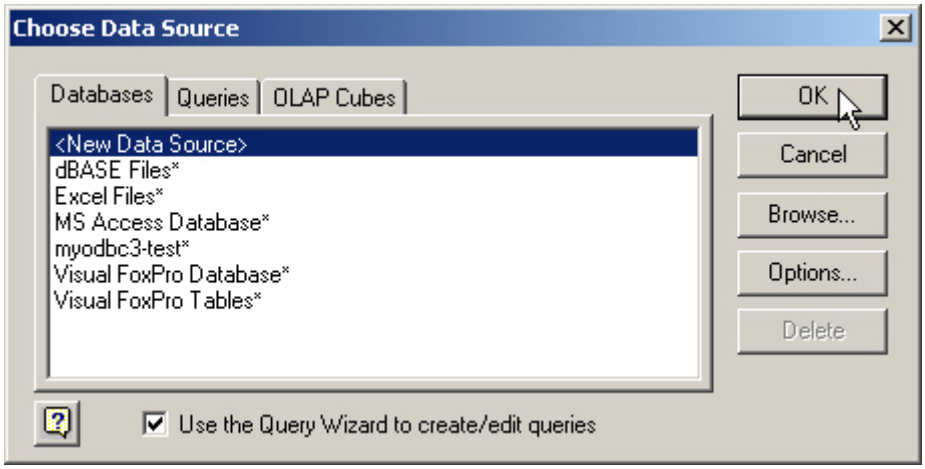
STEP 1. Finished to install “MyODBC” in PC. (As Following Figures)



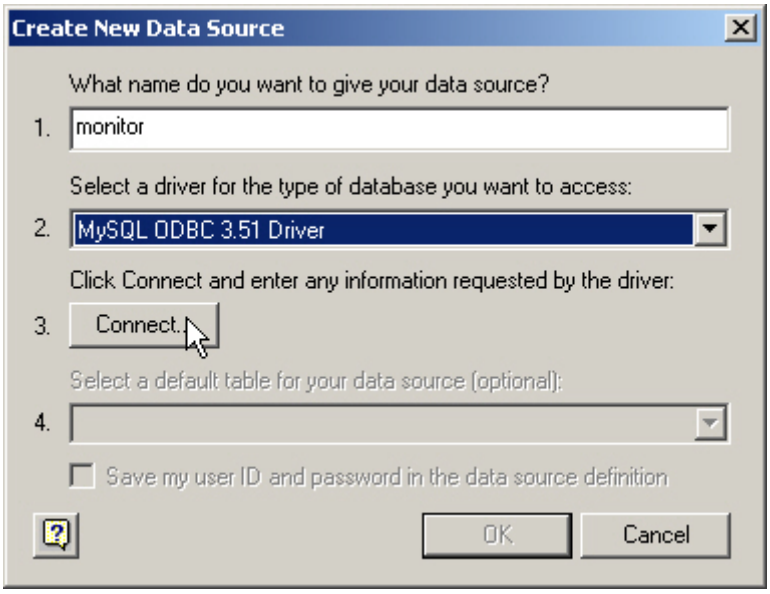
STEP 2. Execute “Excel” → select “Data” of tool bar → “Import External Data” → “New Database Query” option.(As following figures)



STEP 3. Enter the following setting in **Choose Data Source** Window:(As following figures)



STEP 4. You can define the data source name by yourself in **Create New Data Source** Window: (As following figures)

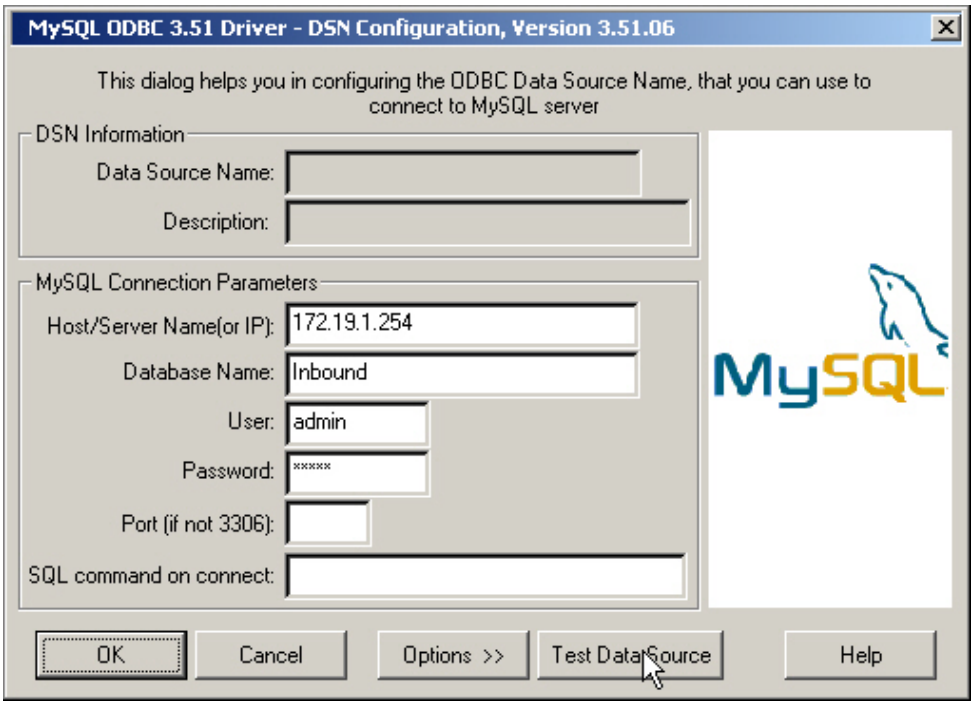


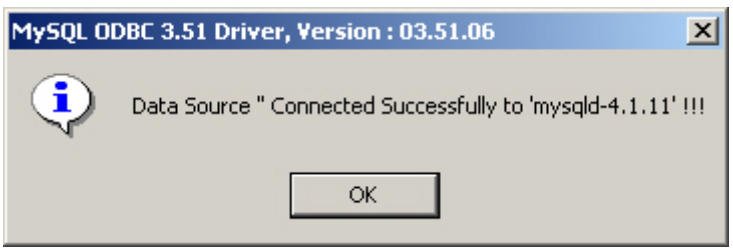
STEP 5. Enter the following setting in **MySQL ODBC Driver - DSN Configuration** Window to monitor InBound, OutBound, or Info's immediate information of "Accounting Report":

If device LAN IP is 172.19.1.254, and use a PC of LAN to monitor the device. Now, we take monitor "Inbound" immediate information as the example. Enter the authentication data to connect the device "Accounting Report" MySQL database:

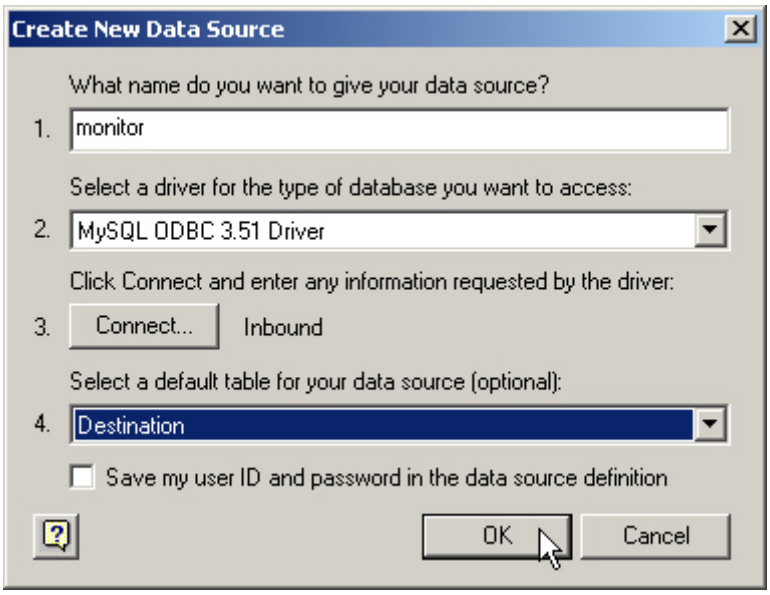
Host/Server Name(or IP): 172.19.1.254
Database Name: Inbound (Just can enter Inbound, Outbound, or Info)
User: admin (This is default setting. Just enter "admin" at once.)
Password: admin (This is default setting. Just enter "admin" at once.)

Click **Test Data Source** to display **Data Source "Connected Successfully" to 'mysqld-4.0.12'!!!** message to confirm if it can connect to database successfully.(As following figures)

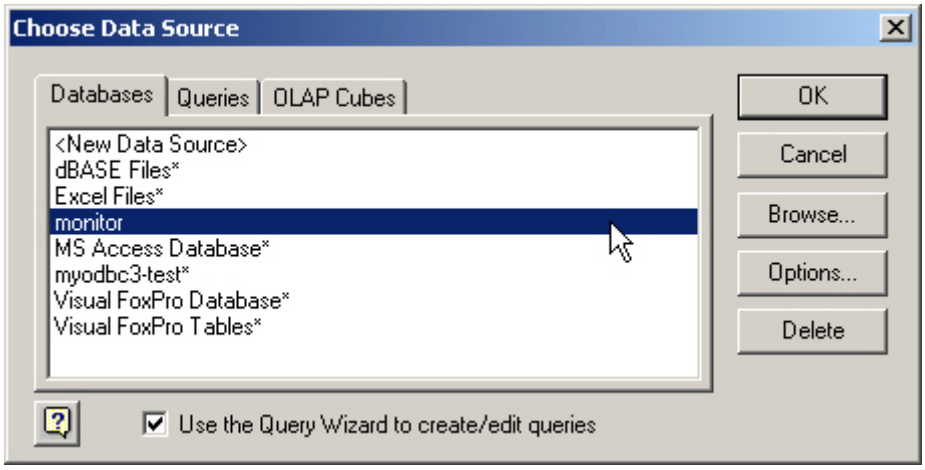




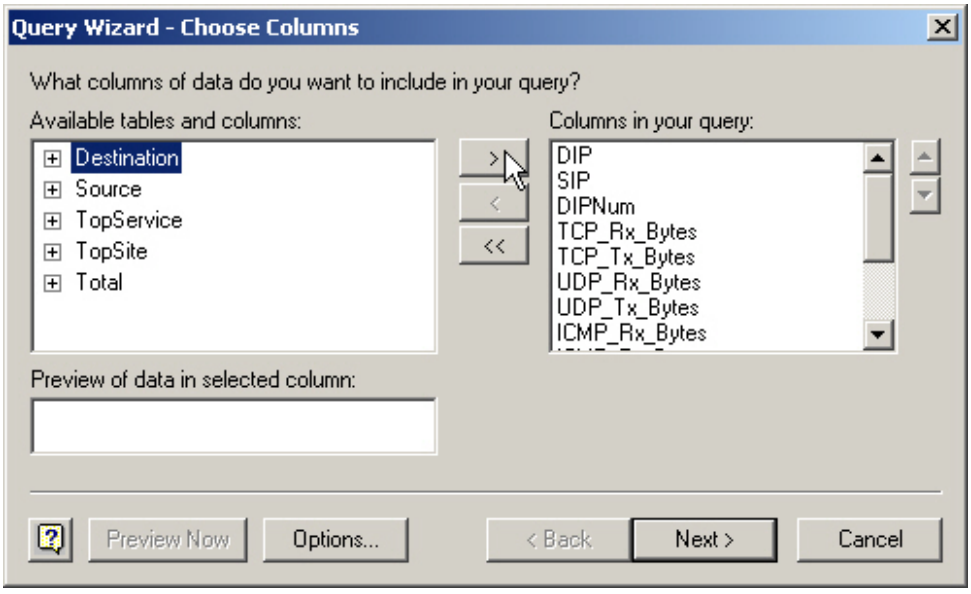
STEP 6. Select the table which you want to monitor in **Create New Data Source** Window: (As following figures)

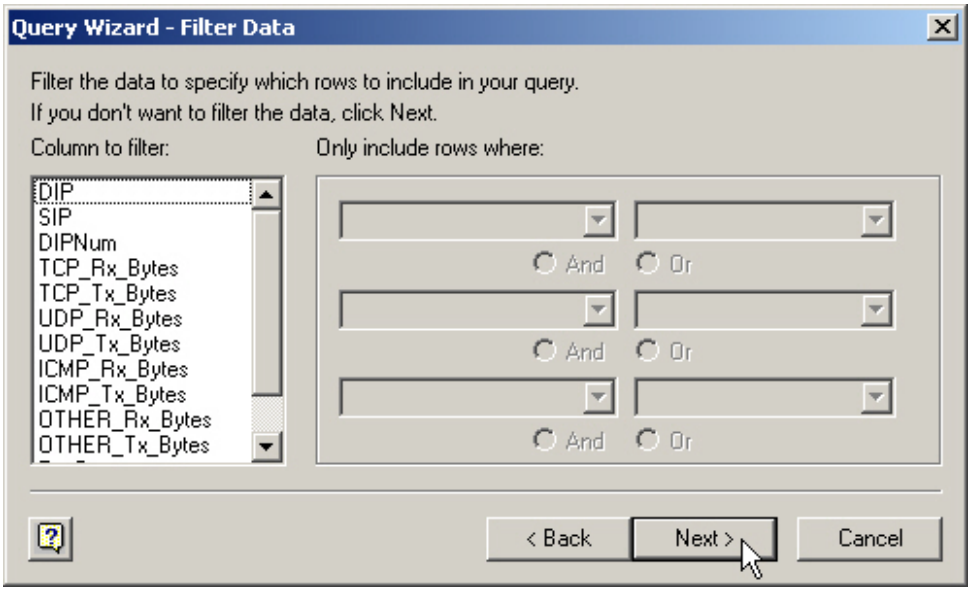


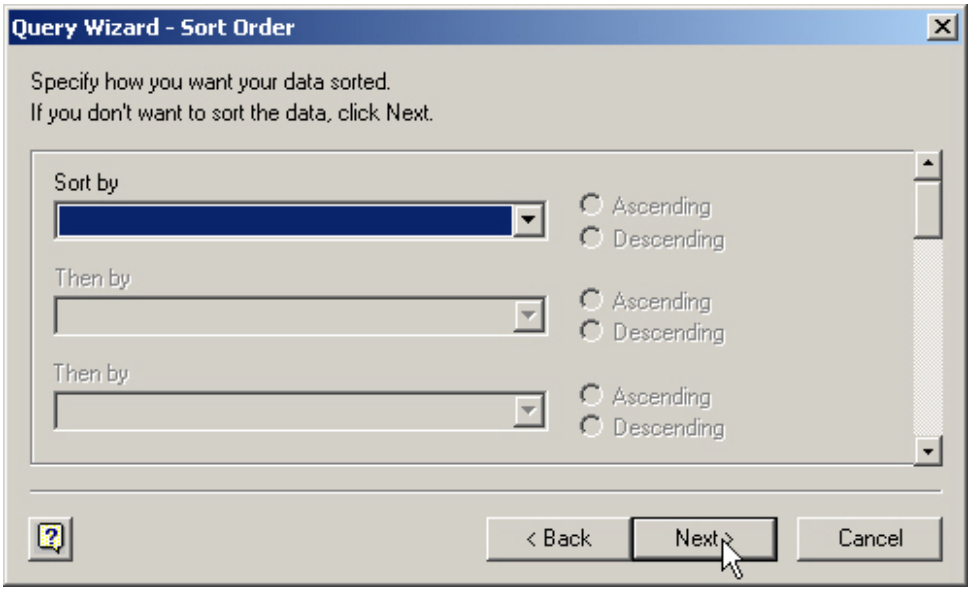
STEP 7. Double click the selected option in **Choose Data Source** Window: (As following figures)

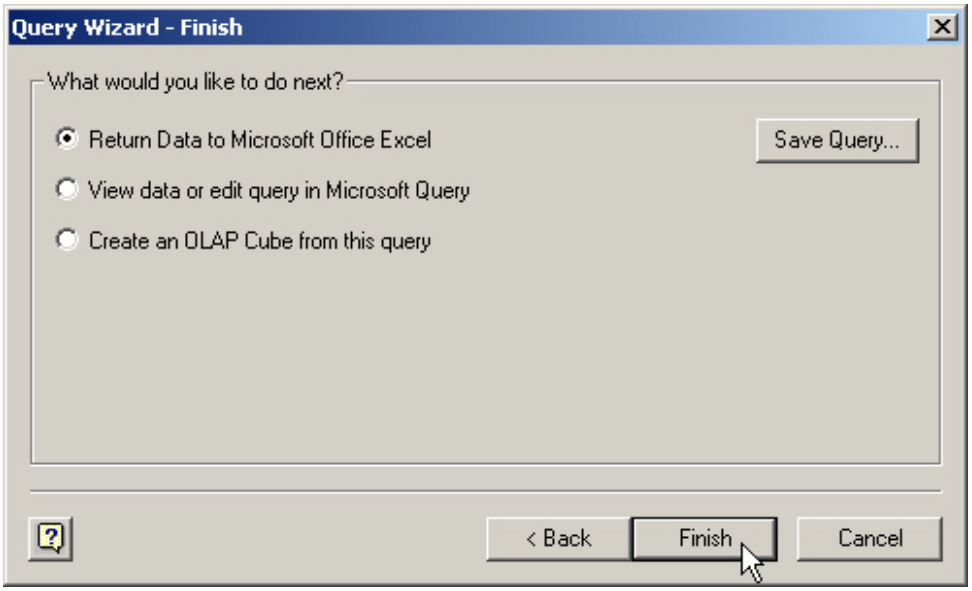


STEP 8. Select columns which you want to monitor in **Query Wizard – Choose Columns** Window:(As following figures)

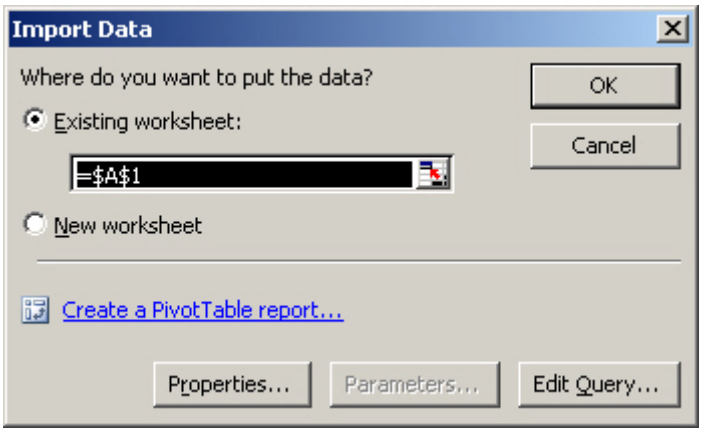





Query Wizard - Sort Order
Specify how you want your data sorted.
If you don't want to sort the data, click Next.
Sort by
Ascending
Descending
Then by
Ascending
Descending
Then by
Ascending
Descending
< Back
Next >
Cancel


Query Wizard - Finish
What would you like to do next?
Return Data to Microsoft Office Excel
Save Query...
View data or edit query in Microsoft Query
Create an OLAP Cube from this query
< Back
Finish
Cancel

STEP 9. Select Excel worksheet which you want to put the data in **Import Data** Window:(As following figures)



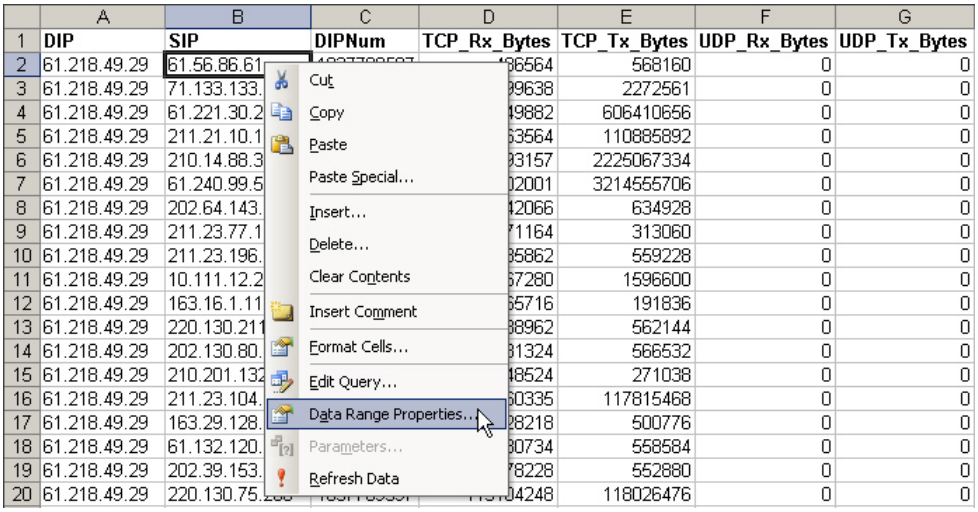
STEP 10. Display “Monitor Information” in Excel worksheet:(As following figures)

	A	B	C	D	E	F	G
1	DIP	SIP	DIPNum	TCP_Rx_Bytes	TCP_Tx_Bytes	UDP_Rx_Bytes	UDP_Tx_Bytes
2	61.218.49.29	61.56.86.61	1037709597	486564	568160	0	0
3	61.218.49.29	71.133.133.20	1037709597	1699638	2272561	0	0
4	61.218.49.29	61.221.30.216	1037709597	583849882	606410656	0	0
5	61.218.49.29	211.21.10.174	1037709597	106263564	110885892	0	0
6	61.218.49.29	210.14.88.3	1037709	External Data	067334	0	0
7	61.218.49.29	61.240.99.58	1037709		555706	0	0
8	61.218.49.29	202.64.143.34	1037709597	542066	634928	0	0
9	61.218.49.29	211.23.77.125	1037709597	271164	313060	0	0
10	61.218.49.29	211.23.196.24	1037709597	485862	559228	0	0
11	61.218.49.29	10.111.12.2	1037709597	767280	1596600	0	0
12	61.218.49.29	163.16.1.110	1037709597	165716	191836	0	0
13	61.218.49.29	220.130.211.106	1037709597	488962	562144	0	0
14	61.218.49.29	202.130.80.222	1037709597	481324	566532	0	0
15	61.218.49.29	210.201.132.85	1037709597	48524	271038	0	0
16	61.218.49.29	211.23.104.10	1037709597	114360335	117815468	0	0
17	61.218.49.29	163.29.128.253	1037709597	428218	500776	0	0
18	61.218.49.29	61.132.120.170	1037709597	480734	558584	0	0
19	61.218.49.29	202.39.153.162	1037709597	478228	552880	0	0
20	61.218.49.29	220.130.75.206	1037709597	113104248	118026476	0	0
21	61.218.49.29	211.21.220.76	1037709597	36910858	38462392	0	0

STEP 11. Right click on Excel existing worksheet and select **Data Range Properties**.

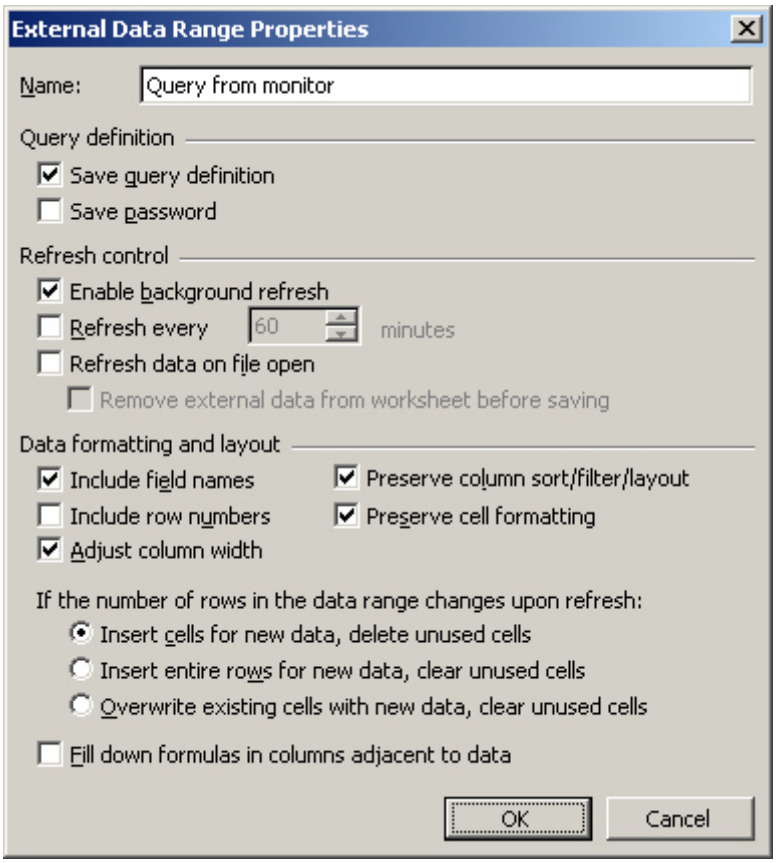
You can adjust query setting in **External Data Range Properties** window:

(As following figures)

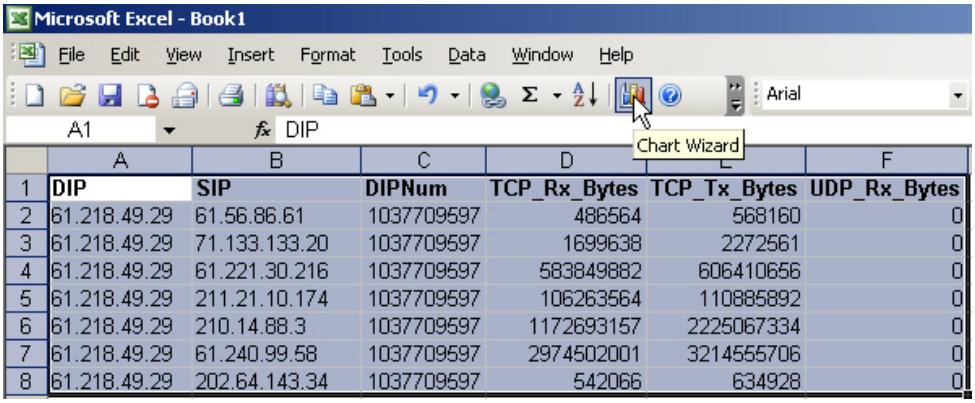


	A	B	C	D	E	F	G
1	DIP	SIP	DIPNum	TCP_Rx_Bytes	TCP_Tx_Bytes	UDP_Rx_Bytes	UDP_Tx_Bytes
2	61.218.49.29	61.56.86.61		36564	568160	0	0
3	61.218.49.29	71.133.133.		99638	2272561	0	0
4	61.218.49.29	61.221.30.2		49882	606410656	0	0
5	61.218.49.29	211.21.10.1		53564	110885892	0	0
6	61.218.49.29	210.14.88.3		93157	2225067334	0	0
7	61.218.49.29	61.240.99.5		02001	3214555706	0	0
8	61.218.49.29	202.64.143.		42066	634928	0	0
9	61.218.49.29	211.23.77.1		71164	313060	0	0
10	61.218.49.29	211.23.196.		35862	559228	0	0
11	61.218.49.29	10.111.12.2		67280	1596600	0	0
12	61.218.49.29	163.16.1.11		55716	191836	0	0
13	61.218.49.29	220.130.211		38962	562144	0	0
14	61.218.49.29	202.130.80.		31324	566532	0	0
15	61.218.49.29	210.201.132		48524	271038	0	0
16	61.218.49.29	211.23.104.		60335	117815468	0	0
17	61.218.49.29	163.29.128.		28218	500776	0	0
18	61.218.49.29	61.132.120.		80734	558584	0	0
19	61.218.49.29	202.39.153.		78228	552880	0	0
20	61.218.49.29	220.130.75.2		04248	118026476	0	0

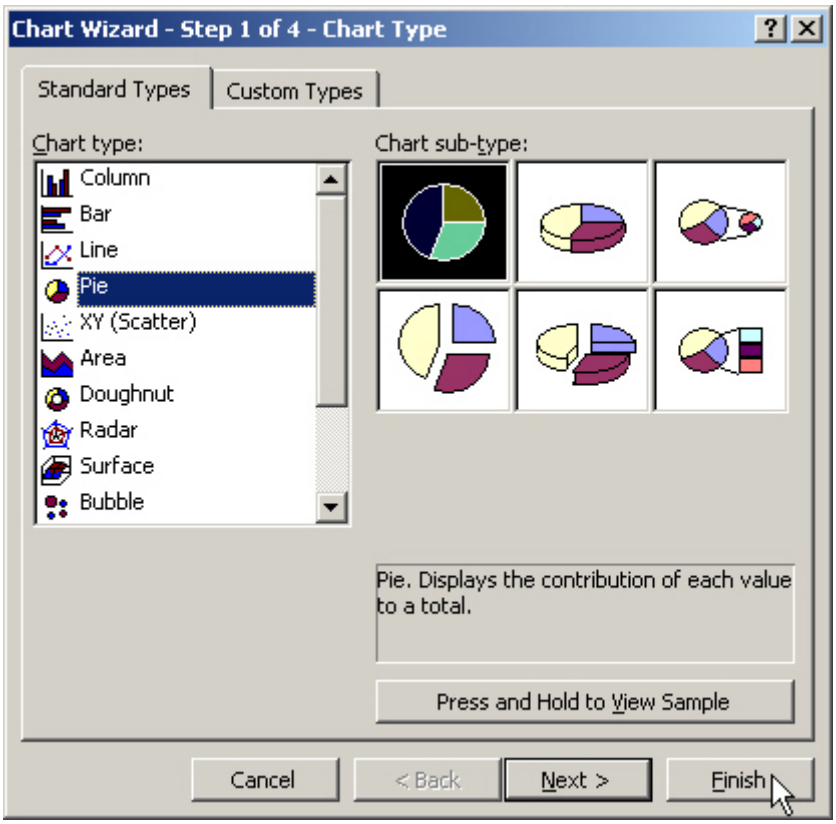
Cut
Copy
Paste
Paste Special...
Insert...
Delete...
Clear Contents
Insert Comment
Format Cells...
Edit Query...
Data Range Properties...
Parameters...
Refresh Data

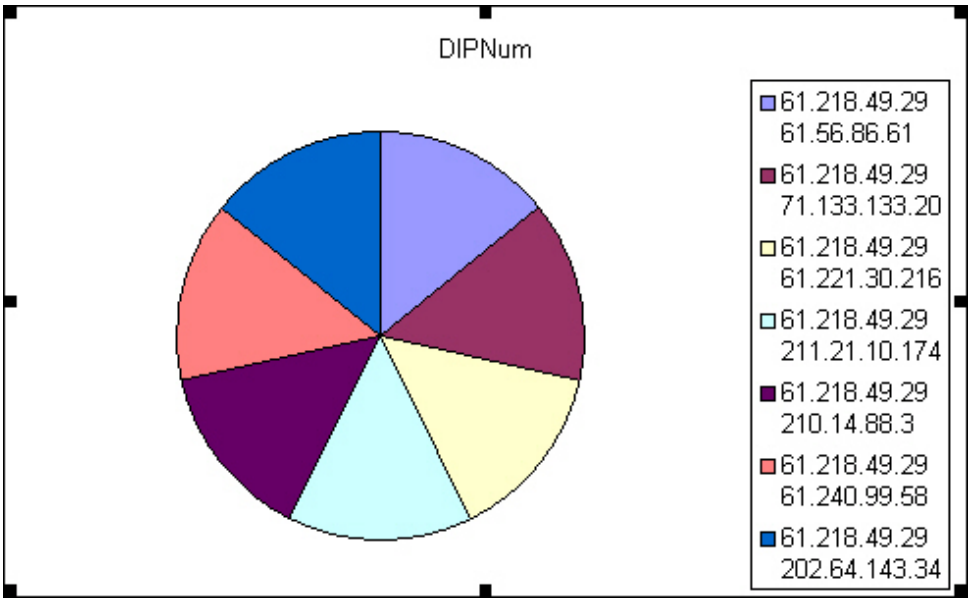


STEP 12. Select worksheet of Excel where the statistical chart you want to make, click **Chart Wizard** button. Select the chart type you want to make and click **OK** in **Chart Wizard** Window: (As following figures)



	A	B	C	D	E	F
1	DIP	SIP	DIPNum	TCP_Rx_Bytes	TCP_Tx_Bytes	UDP_Rx_Bytes
2	61.218.49.29	61.56.86.61	1037709597	486564	568160	0
3	61.218.49.29	71.133.133.20	1037709597	1699638	2272561	0
4	61.218.49.29	61.221.30.216	1037709597	583849882	606410656	0
5	61.218.49.29	211.21.10.174	1037709597	106263564	110885892	0
6	61.218.49.29	210.14.88.3	1037709597	1172693157	2225067334	0
7	61.218.49.29	61.240.99.58	1037709597	2974502001	3214555706	0
8	61.218.49.29	202.64.143.34	1037709597	542066	634928	0





* The detailed information of Excel list and statistics chart will synchronize process updating from Multi-Security UTM according to the update time setting.