



How to configure an Advanced Expert Probe as NetFlow Collector

created by: Rainer Benschel - Version 1.0 - Dated: Jan/31/2012

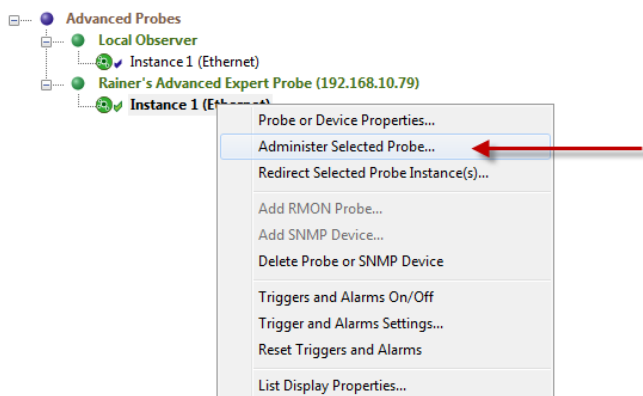
There are two types of NetFlow collectors in Observer. In most cases, it will likely be the NetFlow Trending collector being configured. The Trending Collector supports up to 512 NetFlow devices, whereas the NetFlow Collector only supports one NetFlow Device. That means you must add and configure a NetFlow Collector for each NetFlow device in your environment.

The purpose of this document is to outline the required steps to configure Network Instruments Advanced Expert Probe to run as a NetFlow Collector.

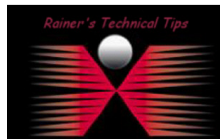
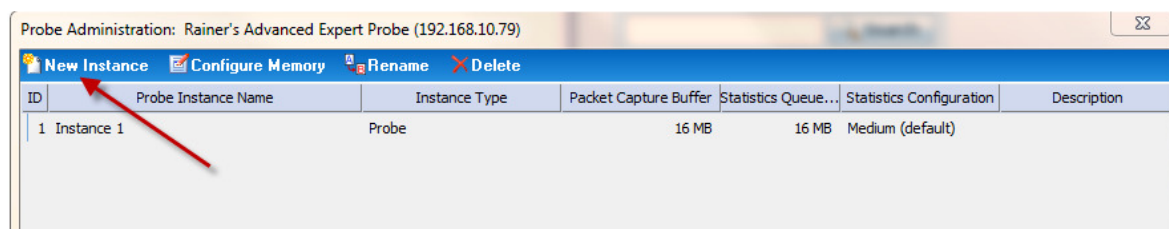
Configure Network Instruments Advanced Expert Probe as a NetFlow Collector

If you are not already connected to a NetFlow Trending collector, redirect on to your local Observer by choosing Actions -> Redirect Probe

After the probe is connected, select the NetFlow collector and right-click. Choose Administer Selected Probe. Log in to the probe



Click the New Instance button

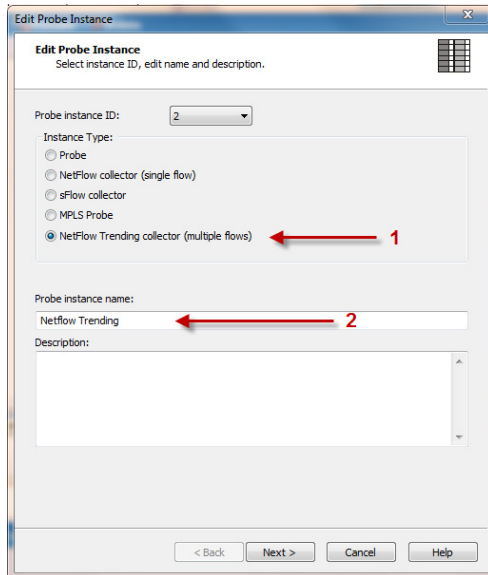


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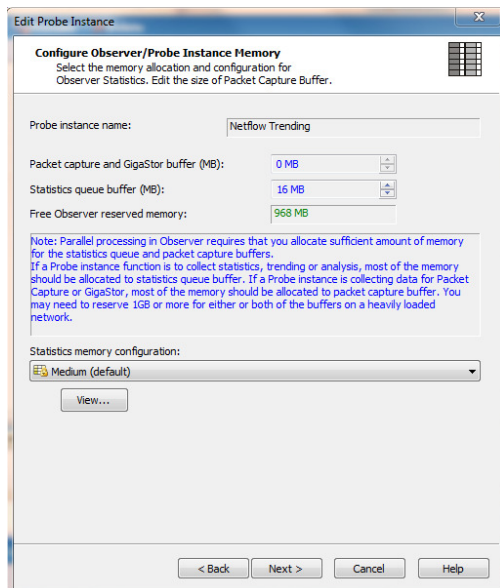
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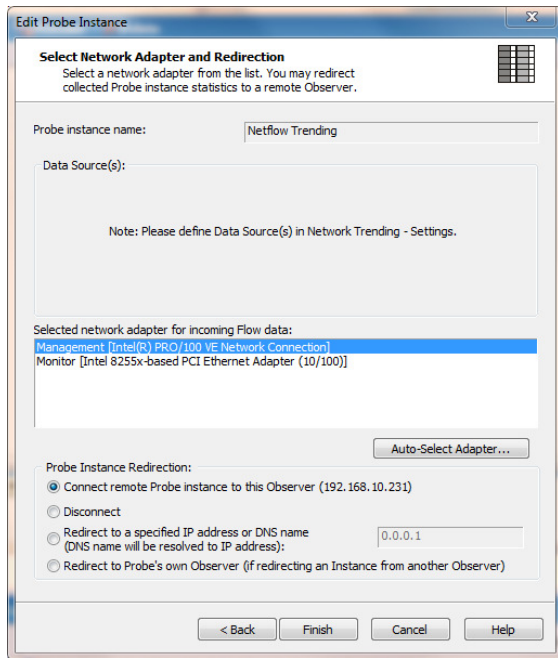
Choose NetFlow Trending collector - Type a name and a description for the collector, and click **Next**



Choose a statistics memory configuration. For most users, the default should be sufficient,



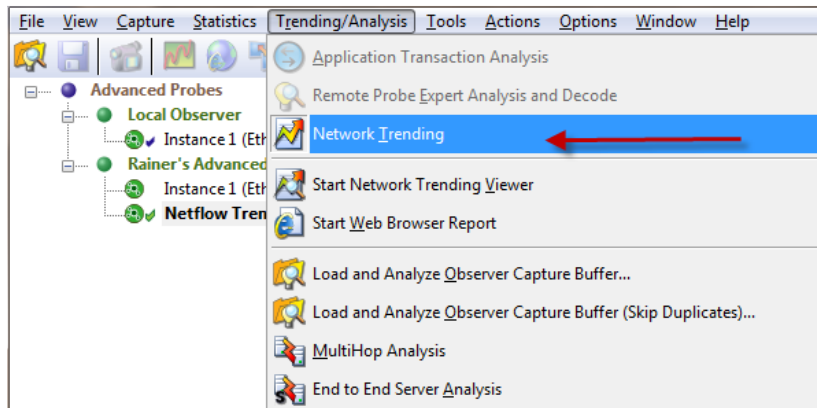
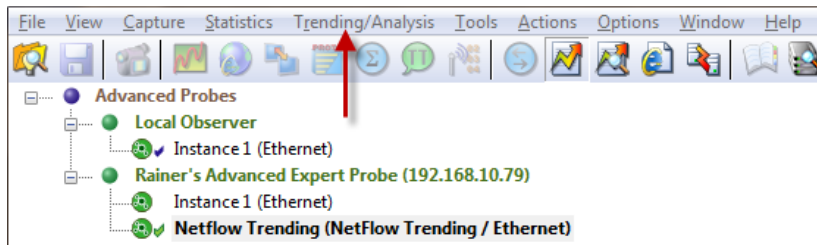
Choose a network adapter to use to monitor the NetFlow device.



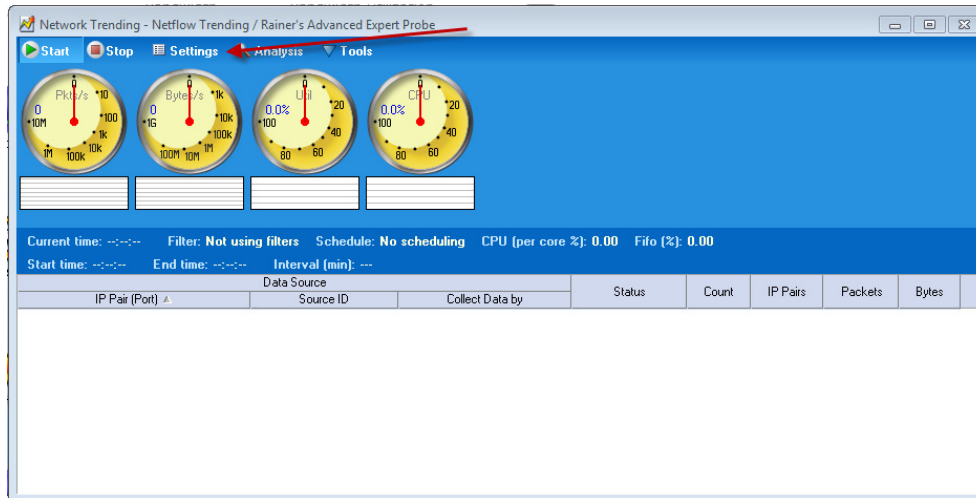
Click Finish

Step 4 - Configure Network Trending Settings

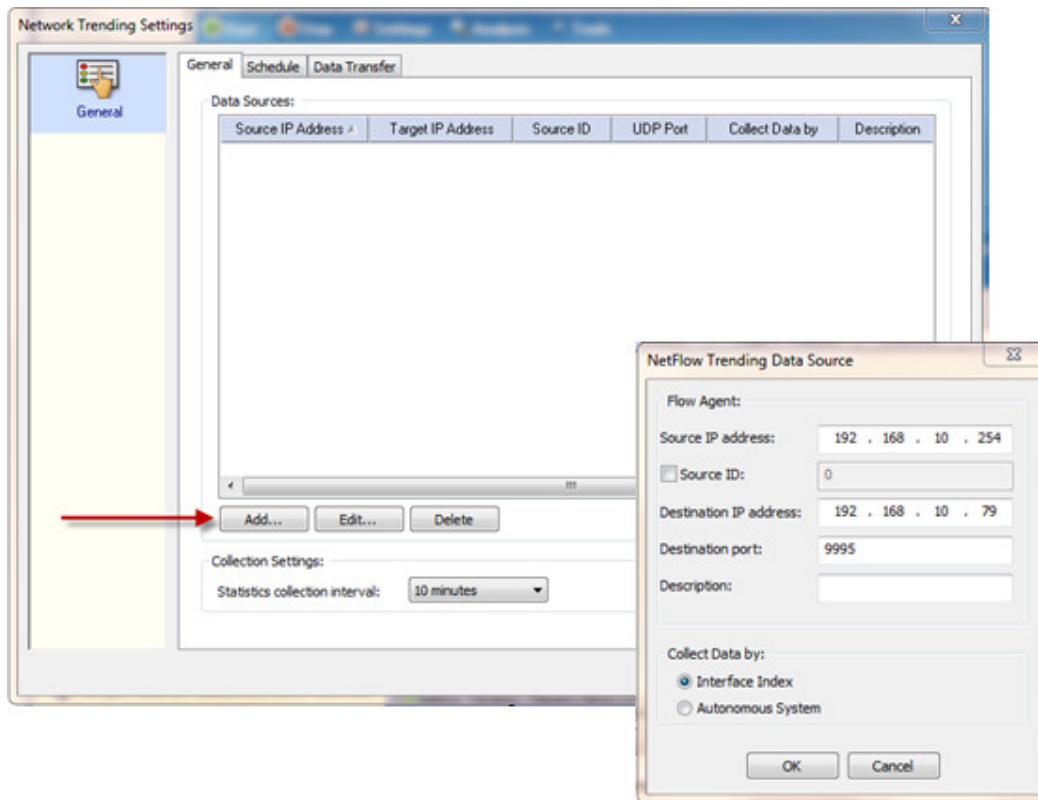
Ensure your NetFlow Trending collector is selected in the list of probes and choose Trending/Analysis -> Network Trending.



The Network Trending window opens.



Click the Settings button



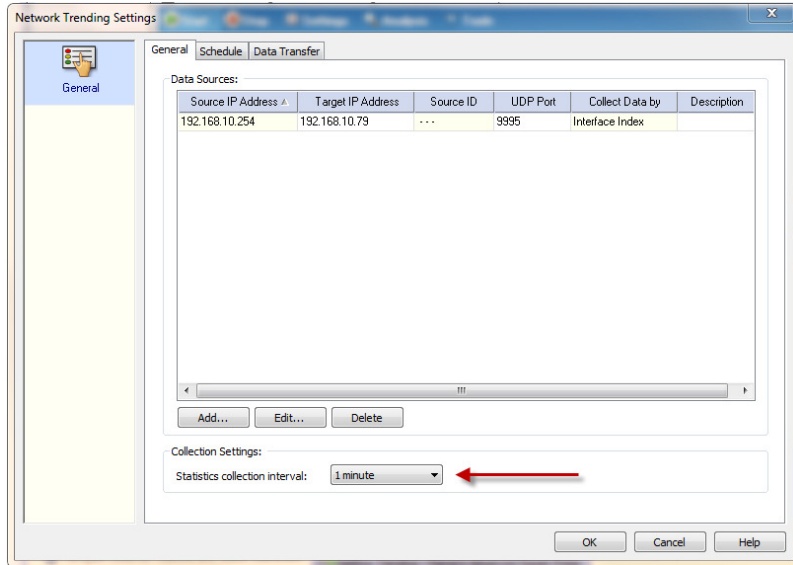
Click on Add

Enter your Router IP Address as Source. I don't use a Source ID.

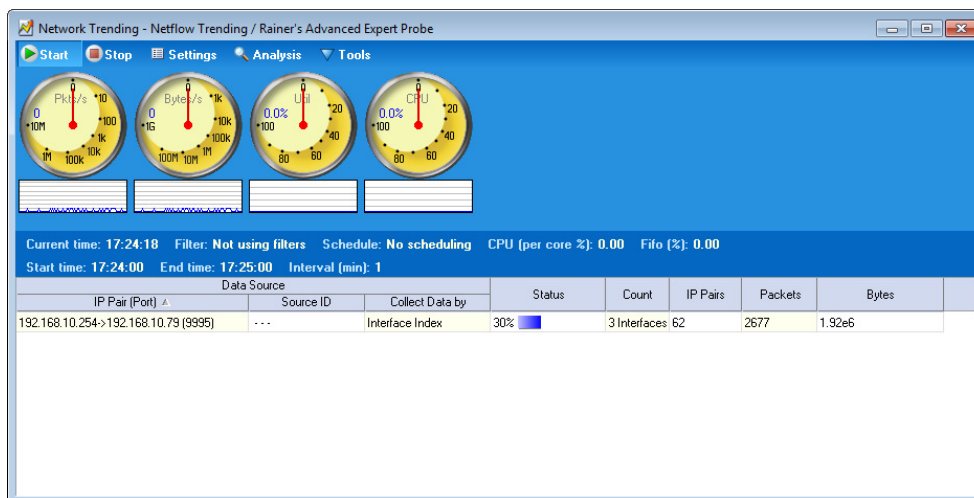
Enter the IP Address of your Collector

Because Reporter Analyzer is sending data on port 9995, I had to change the default 9996 to 9995.

Click on OK

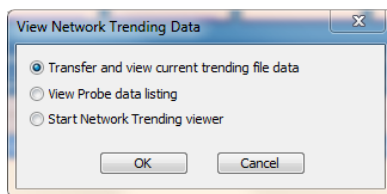


Change the Collection interval to 1 minute. Click on OK to close the Network Trending Settings window



Click on Start to begin monitoring the NetFlow Device

After you have collected some data, click the Analysis button. The View Network Trending data dialog opens. Choose "Transfer and view current trending file data" and click OK. This opens the Network Trending Viewer in a new tab.



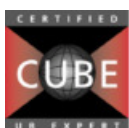
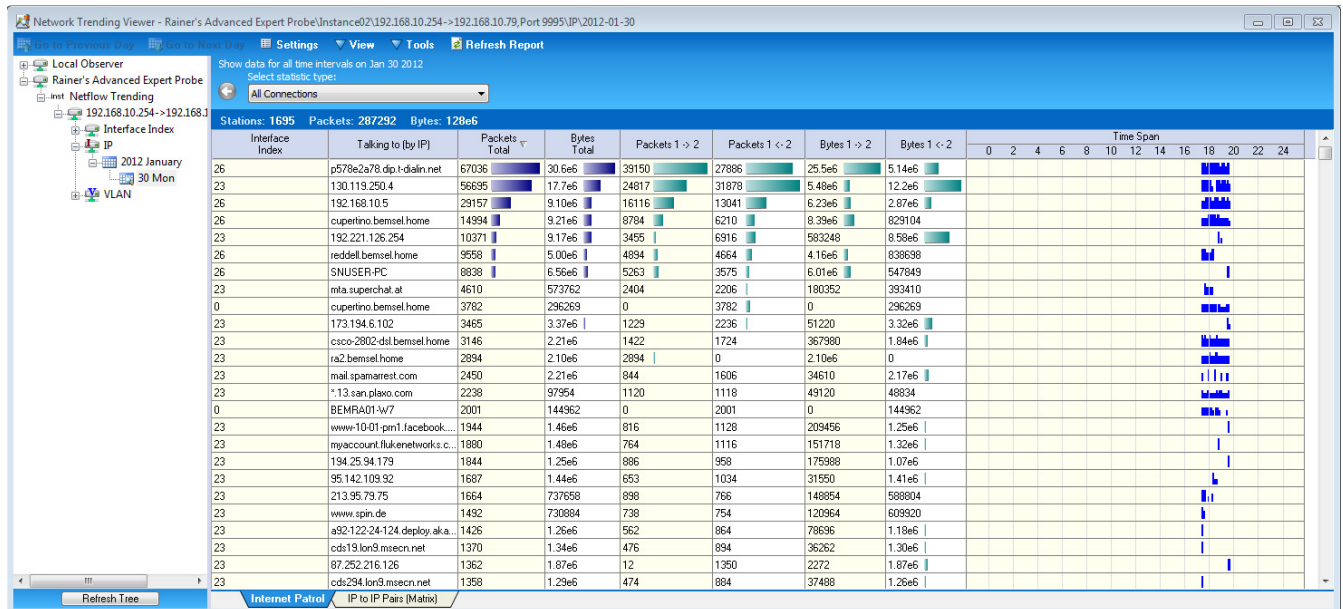
In the Network Trending Viewer you can see for your NetFlow Devices:



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- Station Activity Time
- Top Talkers
- Packet Size Distribution
- Bandwidth Size Utilization



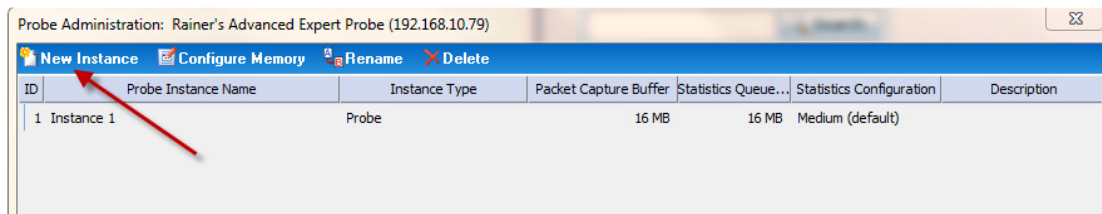
Configure Network Single NetFlow Collector for live statistics

Live statistics are details about the flow that appear in Observer in as few as five seconds. The kind of NetFlow collector provides the same trending data as above, but it also includes NetFlow statistical data. However, you must configured one NetFlow collector for each NetFlow device you wish to monitor.

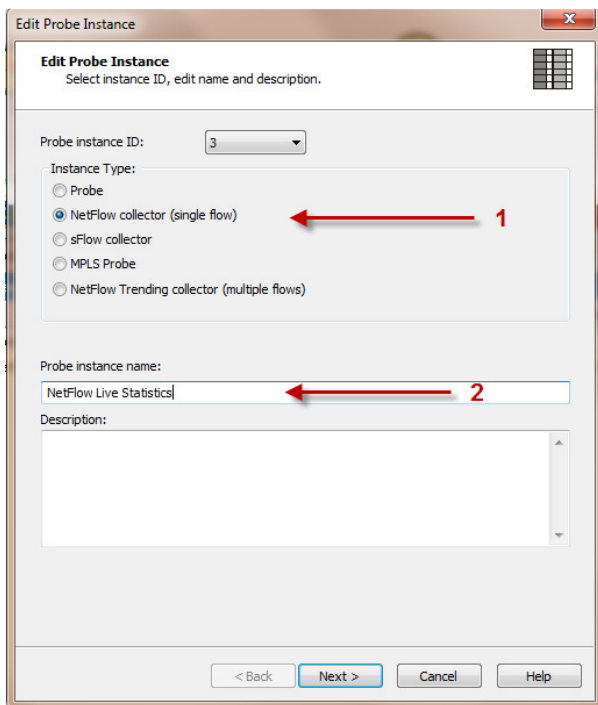
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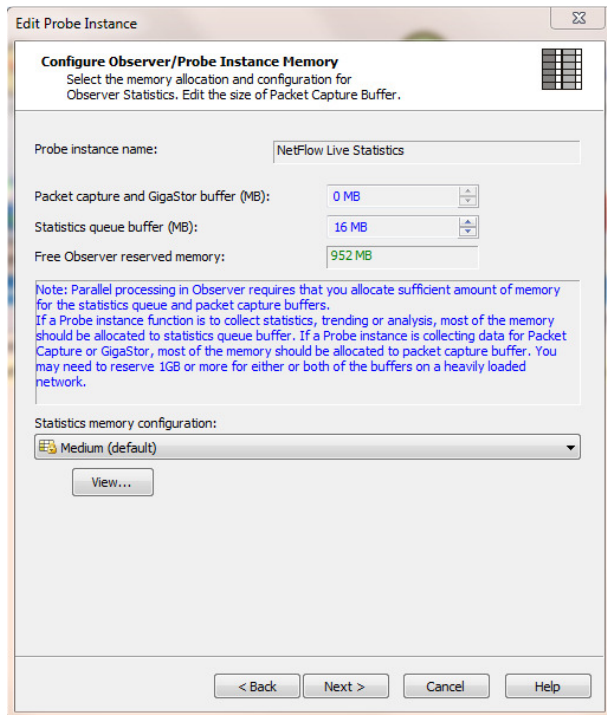
Click the New Instance button



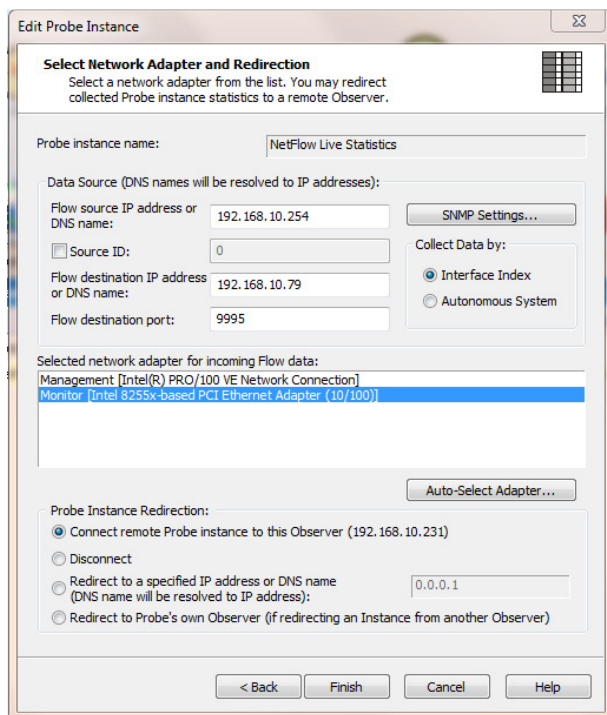
Choose NetFlow collector (single flow) and give it a name.



Click on Next

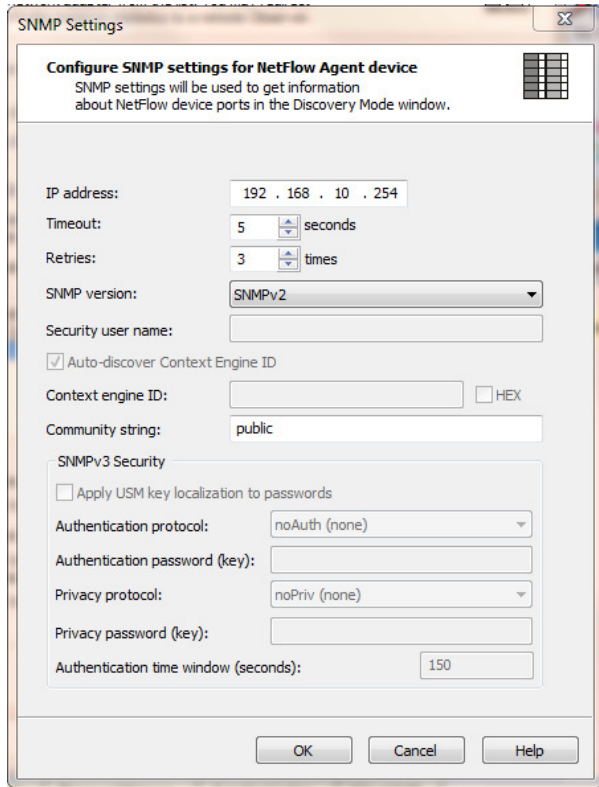


Choose a statistics memory configuration. For most users, the default should be sufficient. Click on Next



IN the Data Source section, type the IP Address of the NetFlow device you want to monitor. Choose a UDP ports. The default is 9996. If necessary, set the Source ID. The Source ID guarantee uniqueness for all flows exported from a particular device. The format of this field is vendor specific. Collector devices should us the combination of the source IP address plus the Source ID field to associate an incoming NetFlow export packet with a unique collector of NetFlow on a particular device.

Click the SNMP Settings button to tell Observer how SNMP is configured on your devices.



SNMPv1, v2 & v3 are supported. Click on OK to return to previous window. Finally, choose the network adapter to use to monitor the NetFlow device and click finish. It's now OK to close the Probe Administration window.

