Optimizing the Performance of Triple Play Analyzer

To achieve optimum performance on the Triple Play Analyzer, follow the instructions in this document to make the best of the Triple Play Analyzer.

Hardware Requirement

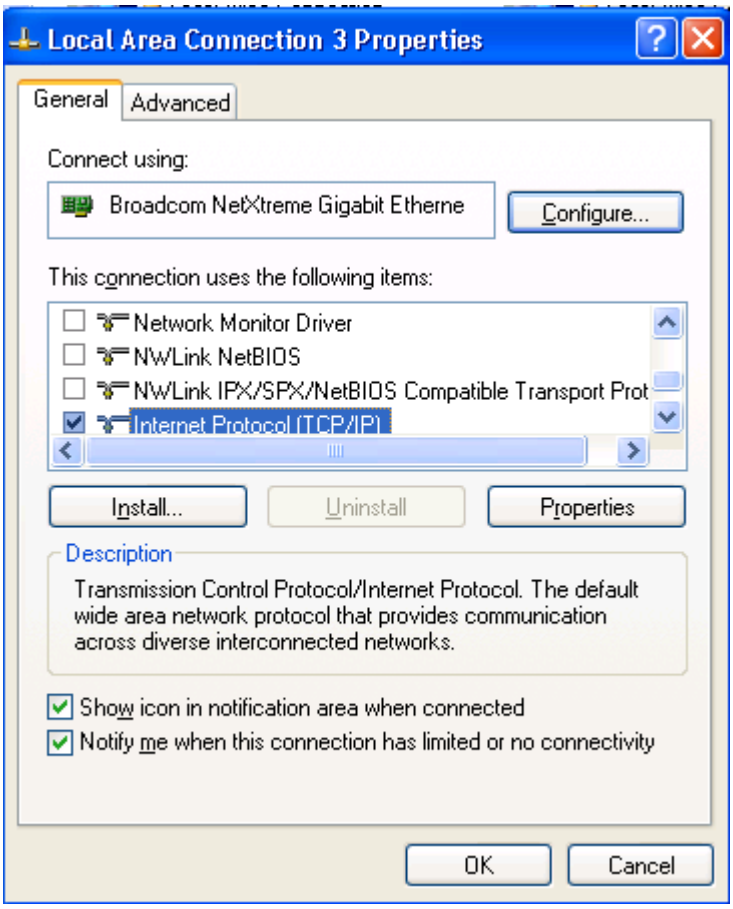
Recommended hardware requirements are as follows:

- Intel Core 2 Duo 2 GHz Processor
- 2 GB of RAM:
- PCI-E network adapter
- Windows® XP Professional (recommended), Windows® 2000 SP 4, Windows® Server 2003 or Windows® Vista

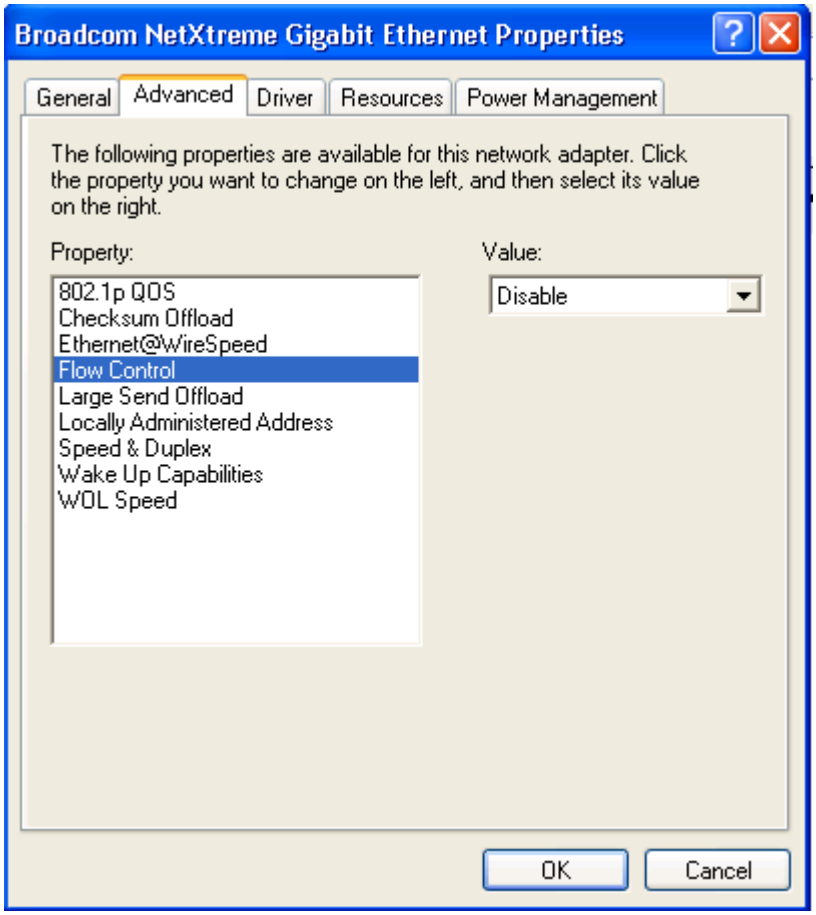
Configure the Operating System

Follow the steps below to configure your Windows operating system.

1. Close all the running programs or services that are not really necessary. If possible, exit the firewall and antivirus application as well.
2. Configure the network adapter for best performance:
   a. Go to Control Panel. Right-click Local Network Connections and select the Properties option.
   b. In the Local Area Connection Properties dialog box, select the General tab.
   c. Remove the check mark of the following items:
      - Client for Microsoft Networks
      - File and Printer Sharing for Microsoft Networks
      - QoS Packet Scheduler
      - Network Monitor Driver



d. Click the Configure button.
e. In the dialog box that pops up, select the Advanced tab. Disable or turn off the following properties: Flow Control and Large Send Offload



Note:

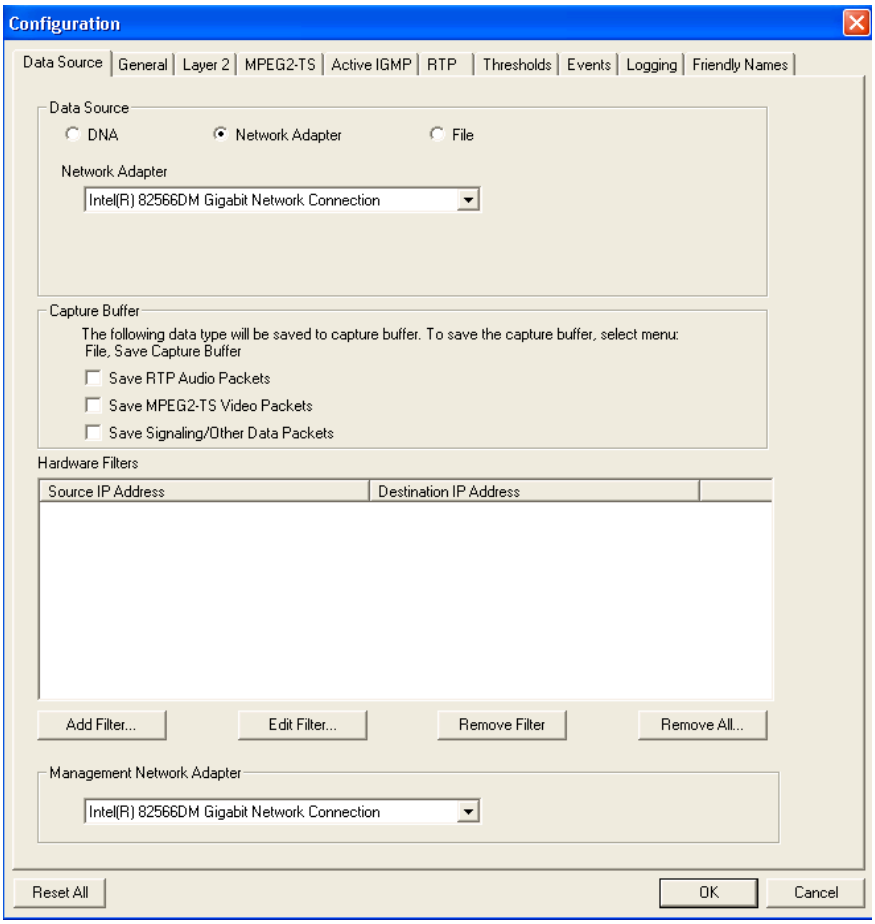
- The properties you can disable vary with the type of network adapter you are using.

- In TPA 1.5, you can disable or turn off all the options except for the Internet Protocol (TCP/IP) option, if you want to enable the Active IGMP functionality. TPA 1.5 needs TCP/IP protocol to get the MAC address for IGMP message. But if you don't want the Active IGMP functionality, deselect it to enhance the performance of TPA remarkably. In TPA 1.7, you can simply disable all the options for the sake of better performance.

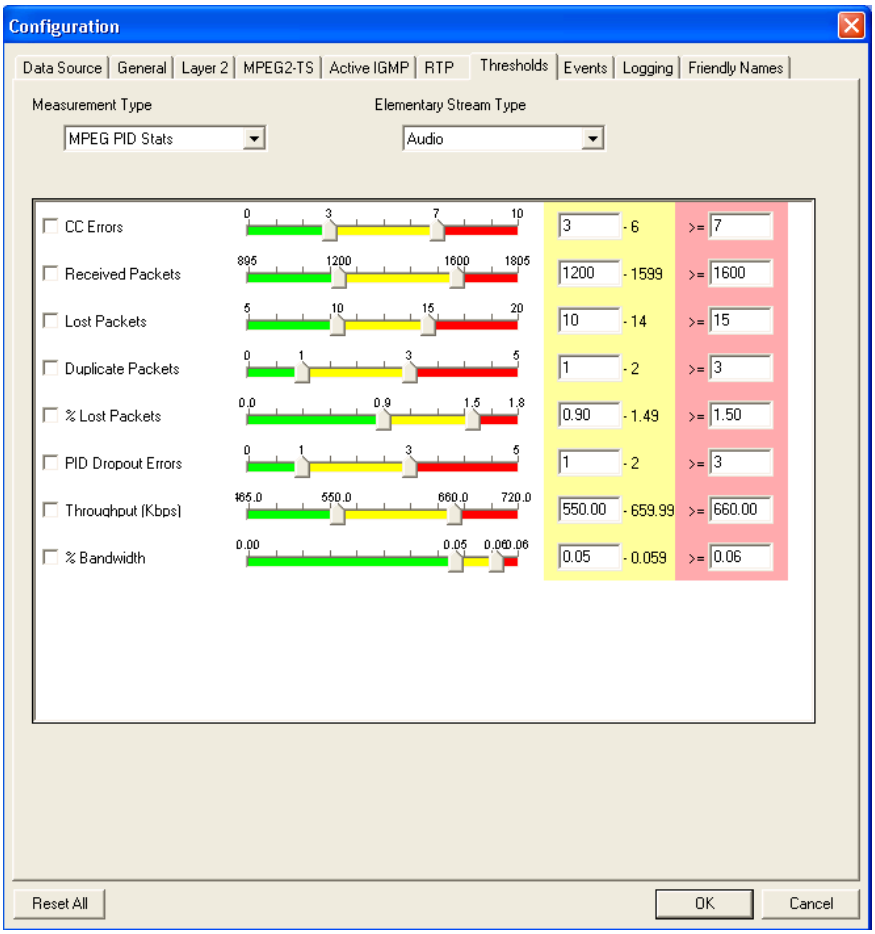
Configure the TPA

There are several ways you can configure the TPA for better performance:

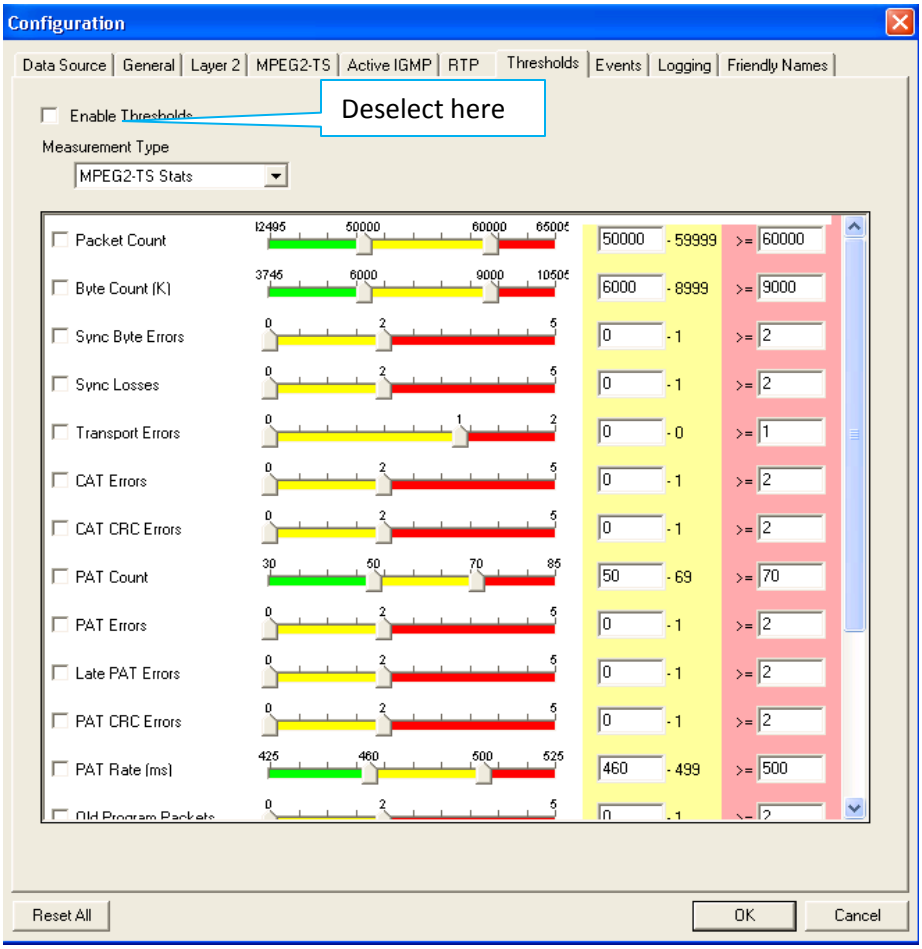
1. Disable the Capture Buffer
   Open the Configuration dialog box and go to the Data Source tab. Deselect all the three options in the Capture Buffer section.
   When these options are not checked, the decode functionality and the Saved Buf File (File| Save Buffer File) will be disabled.



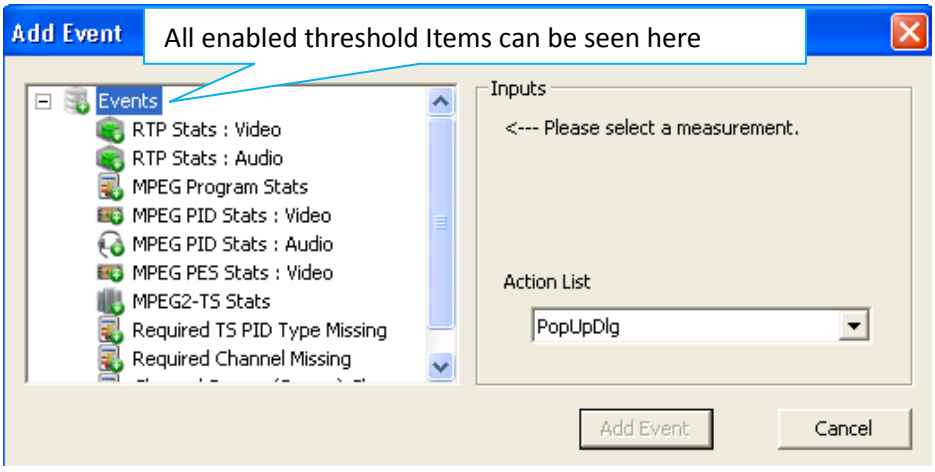
2. Disable the Thresholds
   Open the Configuration dialog box and go to the Thresholds tab.
   Deselect the threshold items that are not needed.



Note: In TPA 1.7, you can deselect all the Threshold items by deselecting the Enable Thresholds option.



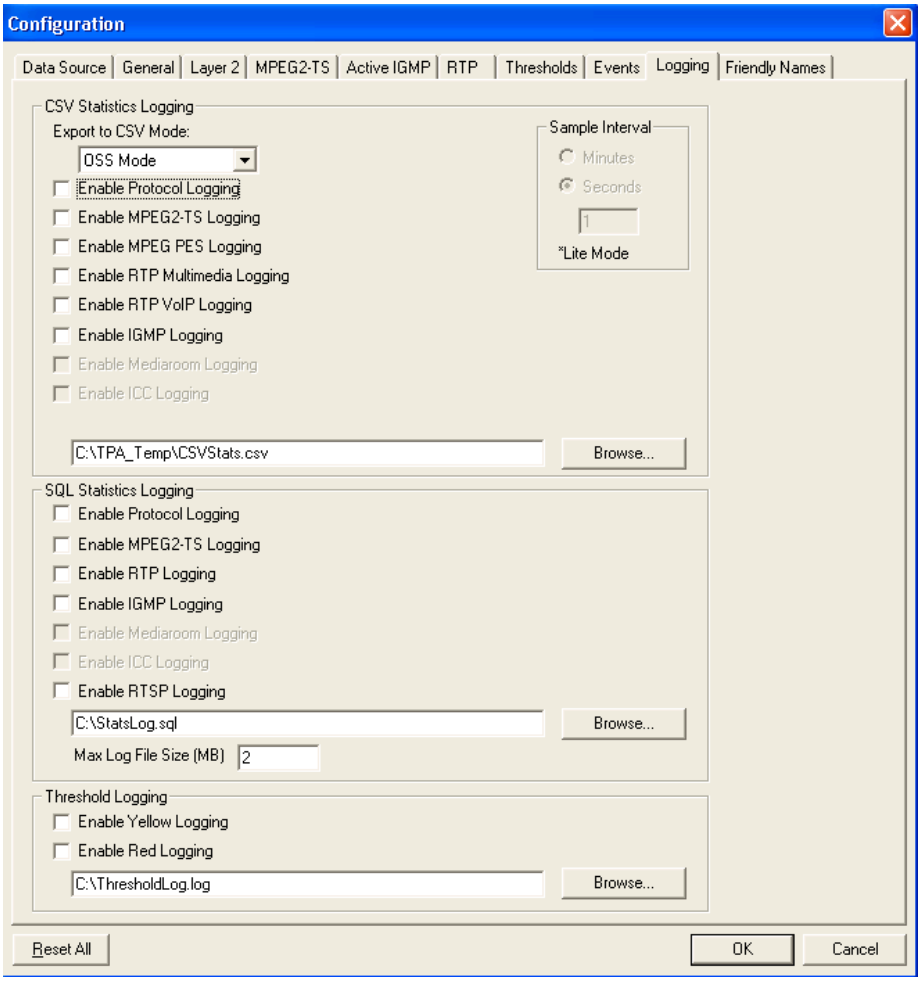
3. Disable the Events
   Open the Configuration dialog box and go to the Events tab.
   Check if there are still some Thresholds items you forget to deselect.



4. Disable the Logging options

   Open the Configuration dialog box and go to the Loggings tab.

   Deselect all the items in the CSV Statistics Logging, SQL Statistics Logging and Threshold Logging sections.



Rule of Priority

Consider the following rules when you prioritize the tasks for the optimum performance of the TPA. The tasks are sorted by their priority, with the most important one on the top of the list.

1. Hardware and software requirements
2. Firewall and antivirus application software
3. Optimize the network adapter
   3.1 General settings, such as the TCP/IP protocol
   3.2 Advanced settings
   3.3 Other protocols
4. Thresholds functionality of TPA
5. Capture Buffer of TPA
6. Logging functionality of TPA