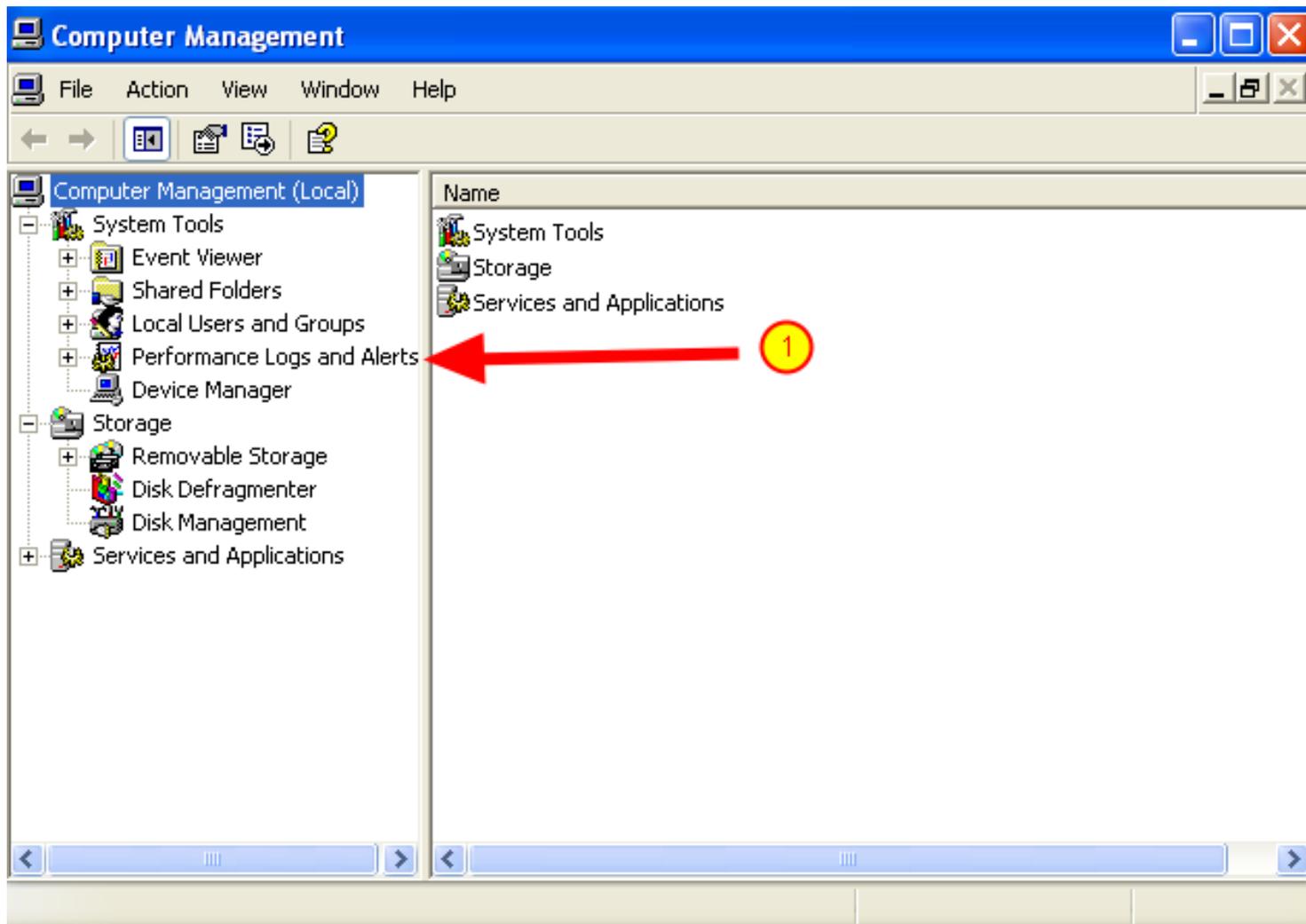


Setting Up Windows Perfmon to Collect Performance Data

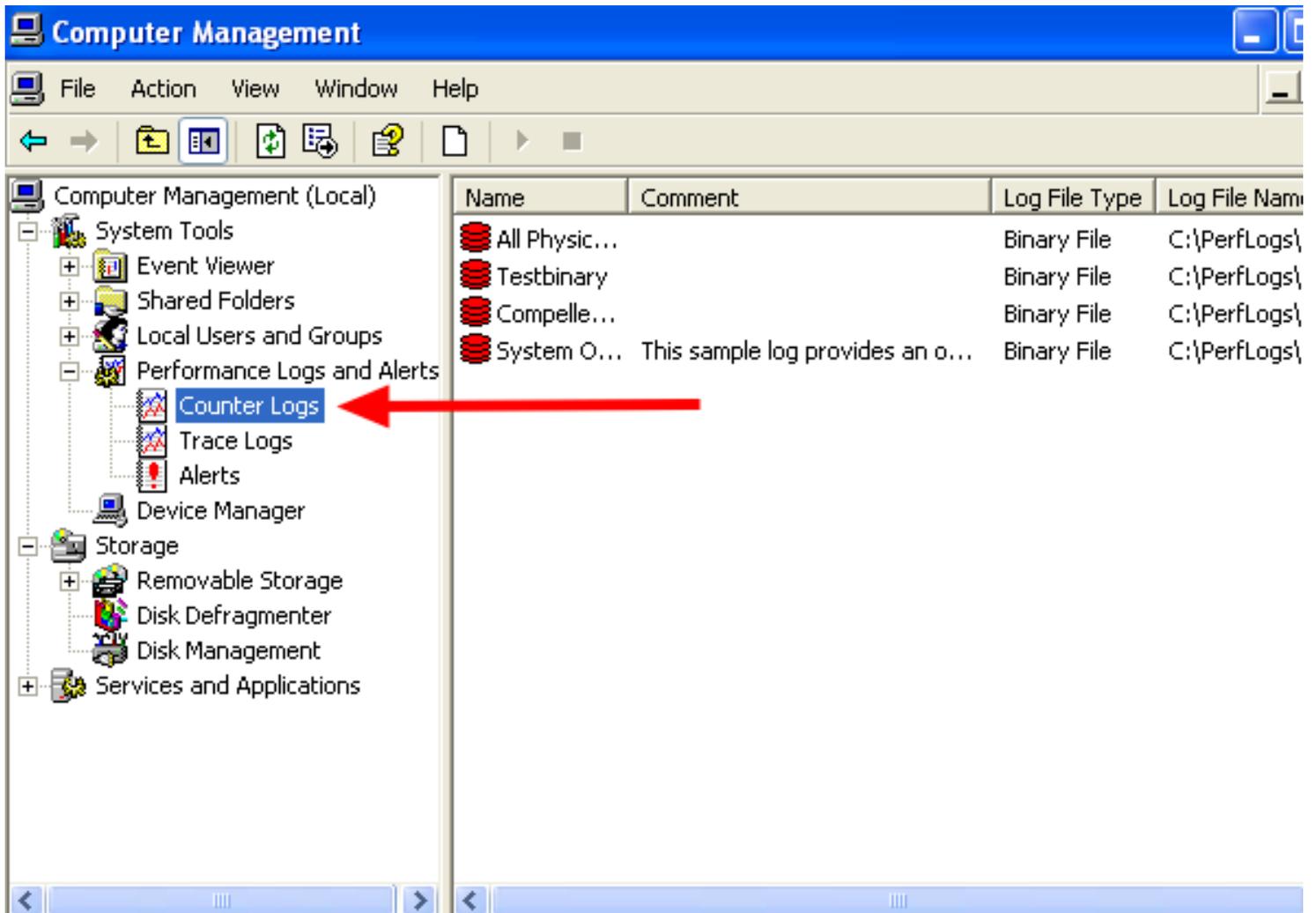
In order to provide a comprehensive view of your environment, pick the busiest week of a typical month to collect your disk performance data. To set up your logging, right click on "my computer" and choose management. You can also choose "Run" and type in perfmon.exe and then select "Performance Logs and Alerts."

Computer Management Console



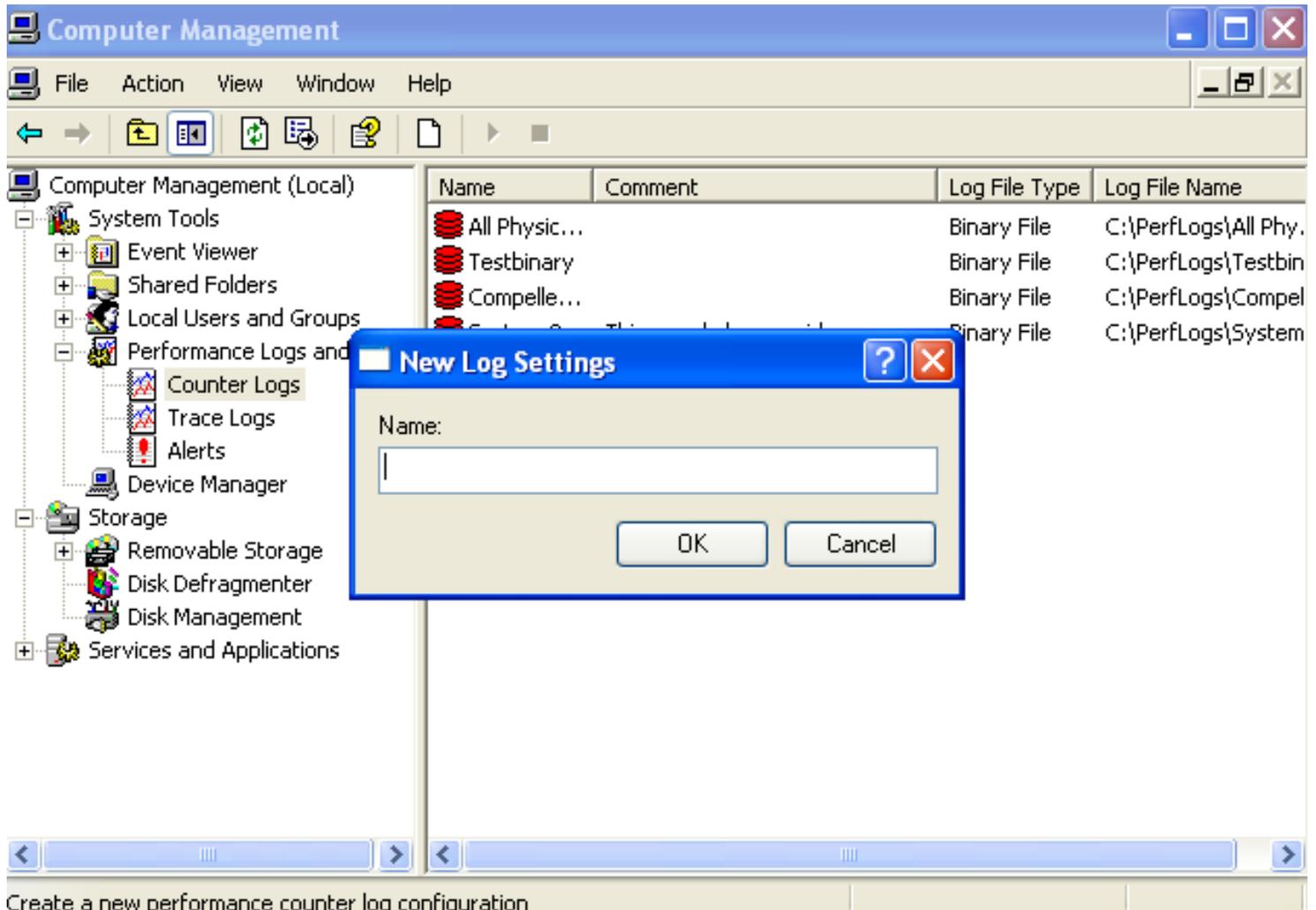
Select "Performance Logs and Alerts."

Counter Logs View



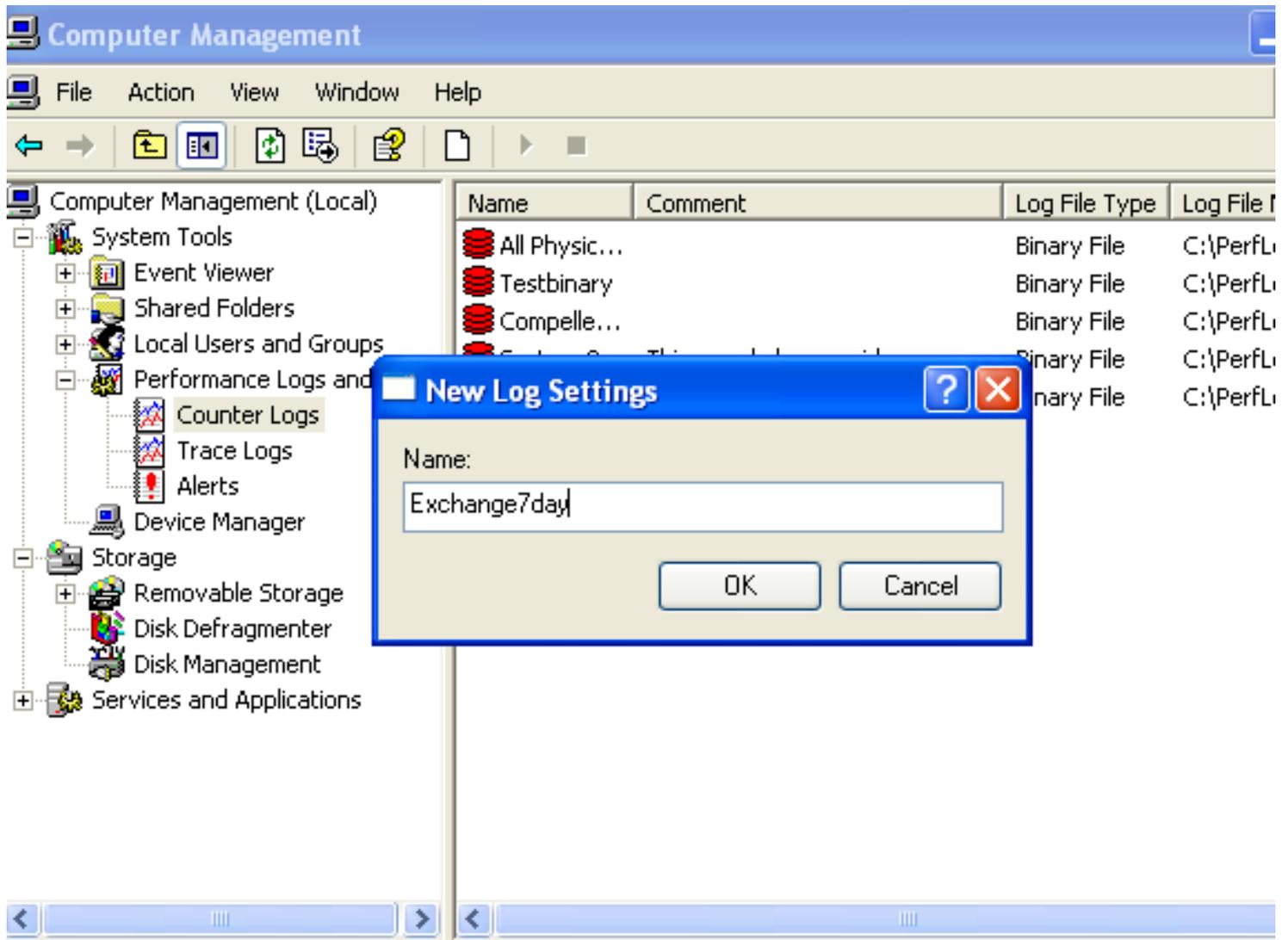
Expand the "Performance Logs and Alerts" component. Right click on "Counter Logs" and select "New Log Settings."

Log Settings Dialog Box



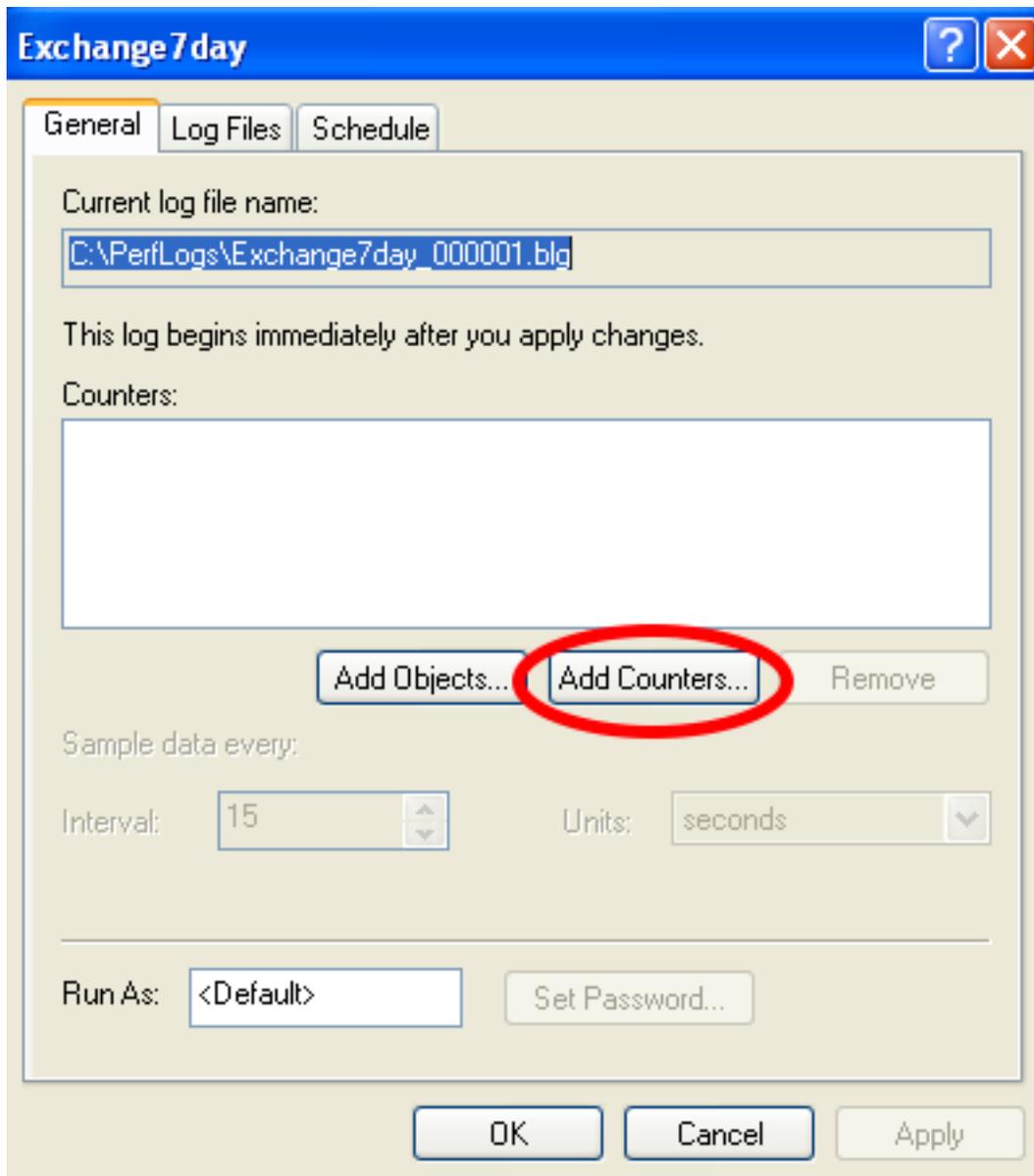
Name your log file something meaningful. Simply name it after your host and append "7days."

Name your log and click "OK"



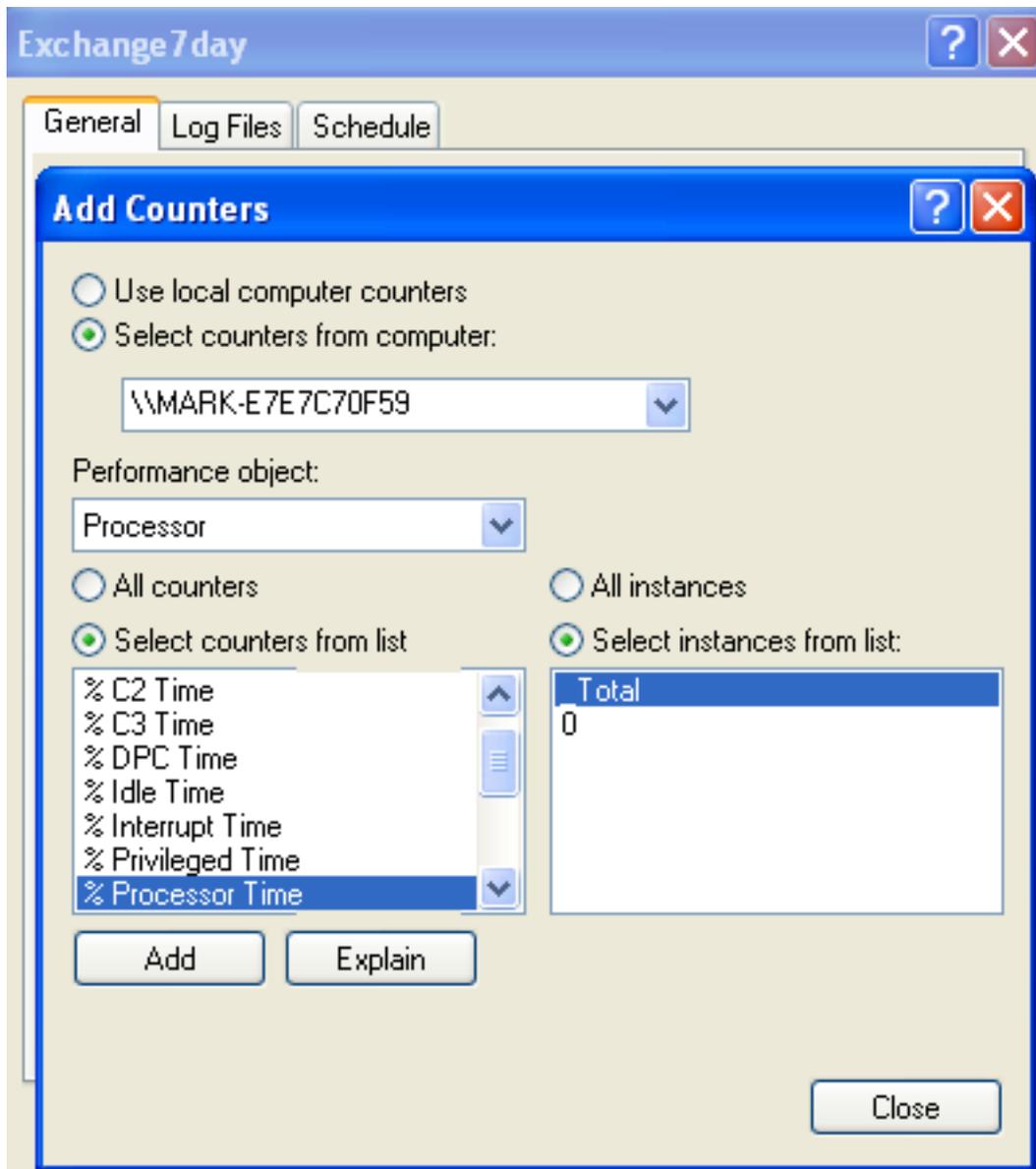
If you name your log with your host name and then append "7day" it will be easy to identify and email later on.

Now you are ready to add your counters



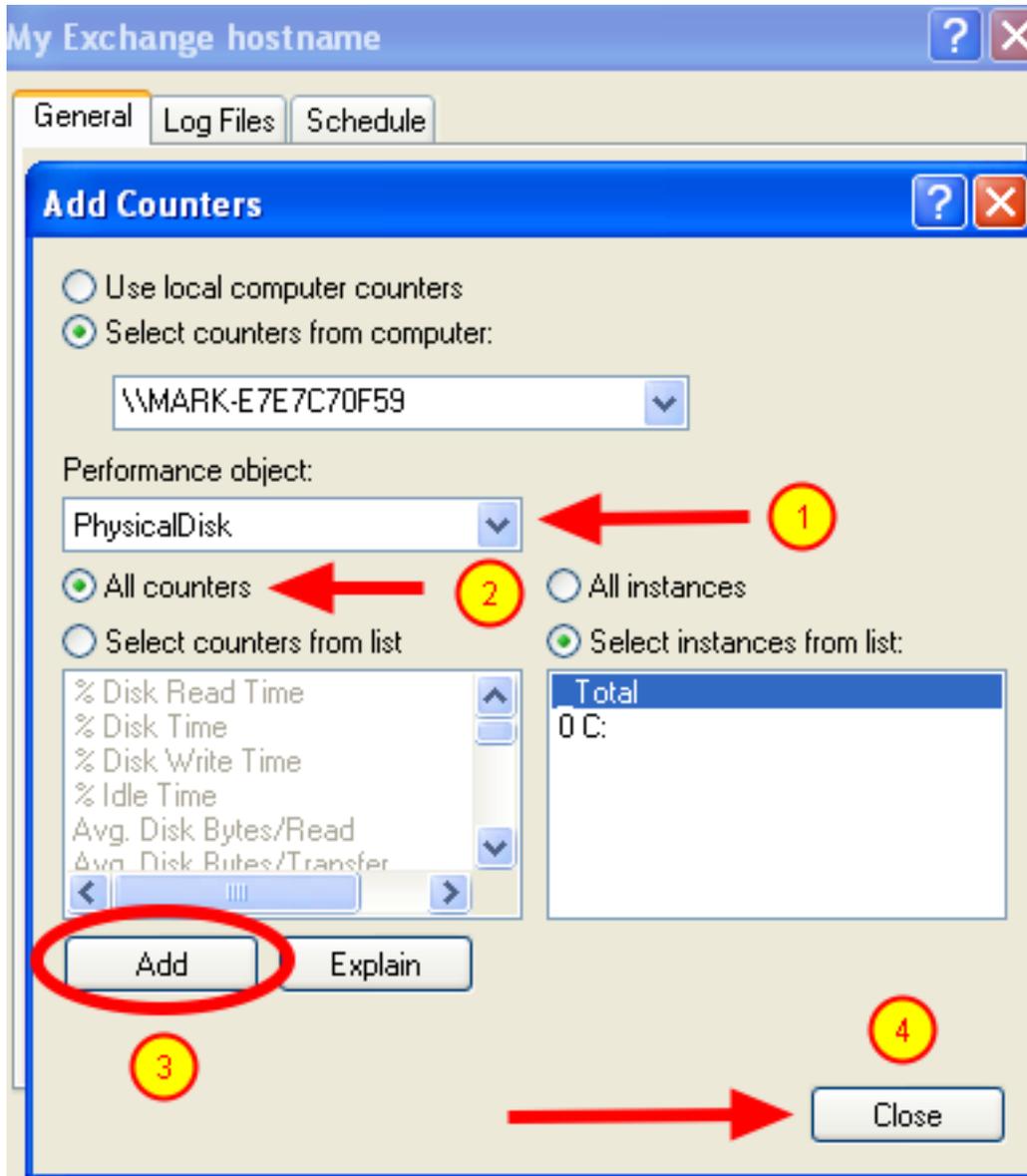
Click the "Add Counters" button and you will be presented with a new dialog box.

From this screen you will change the default settings as shown in the next step



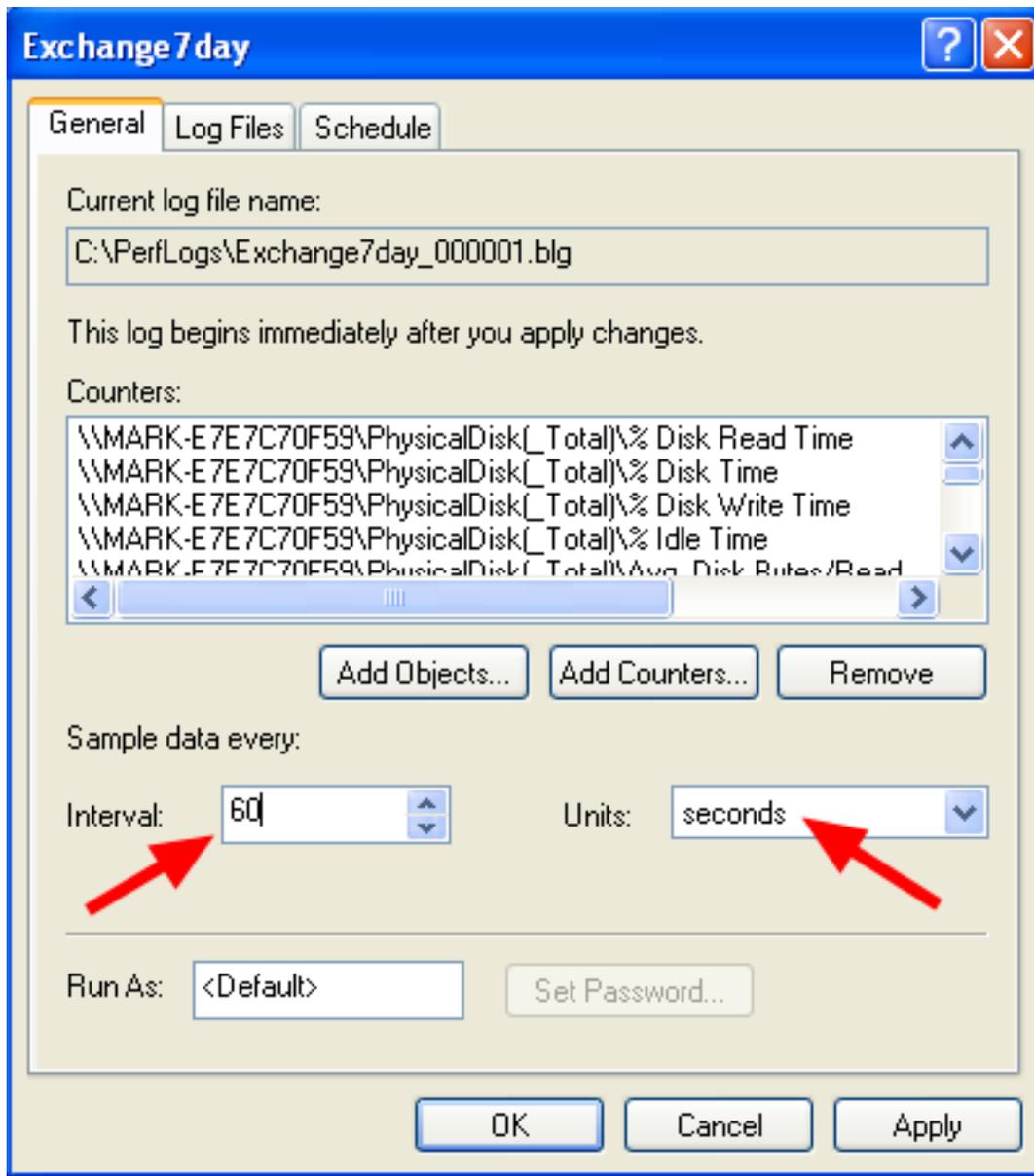
This is the typical initial dialog. From there you will complete the steps below to set up your own customized log for performance analysis.

Select "Physical Disk" from the "Performance Object" Menu and "All Counters" Radio Button



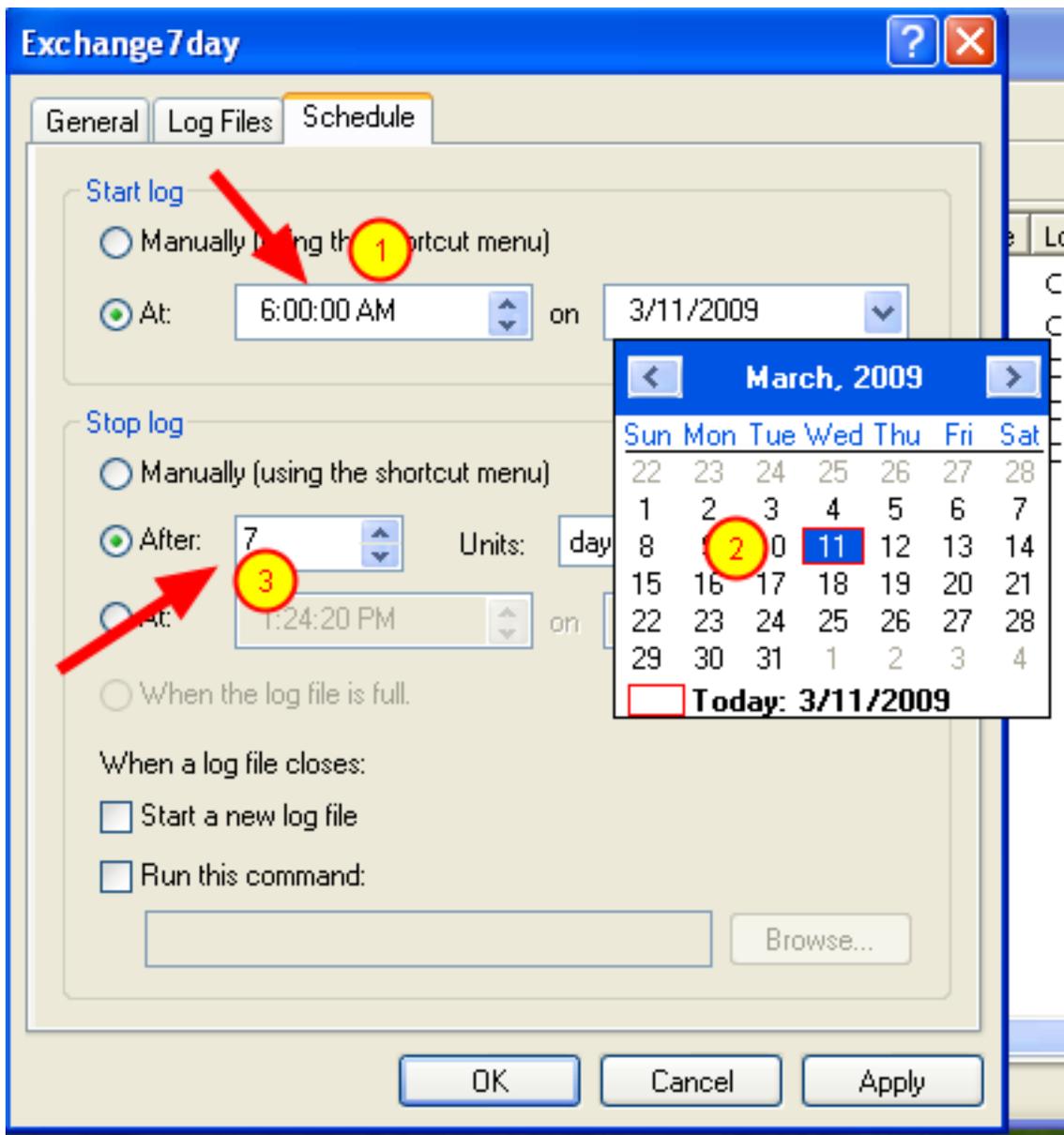
To get a log with everything on it (and in the right order for processing) select the "physical disk" object and select the "All counters" radio button. Do not press the "Add" button until you first select the "All counters" radio button. It is important that you use this method since the order that the files are created in synch up with our ability to rapidly report on your data (there's a lot to sift through, so this stage is *critical*. If the data is not correct we will need another log file from you and that would waste a whole week!). After you have made the changes just select "Close."

Now change the sampling rate:



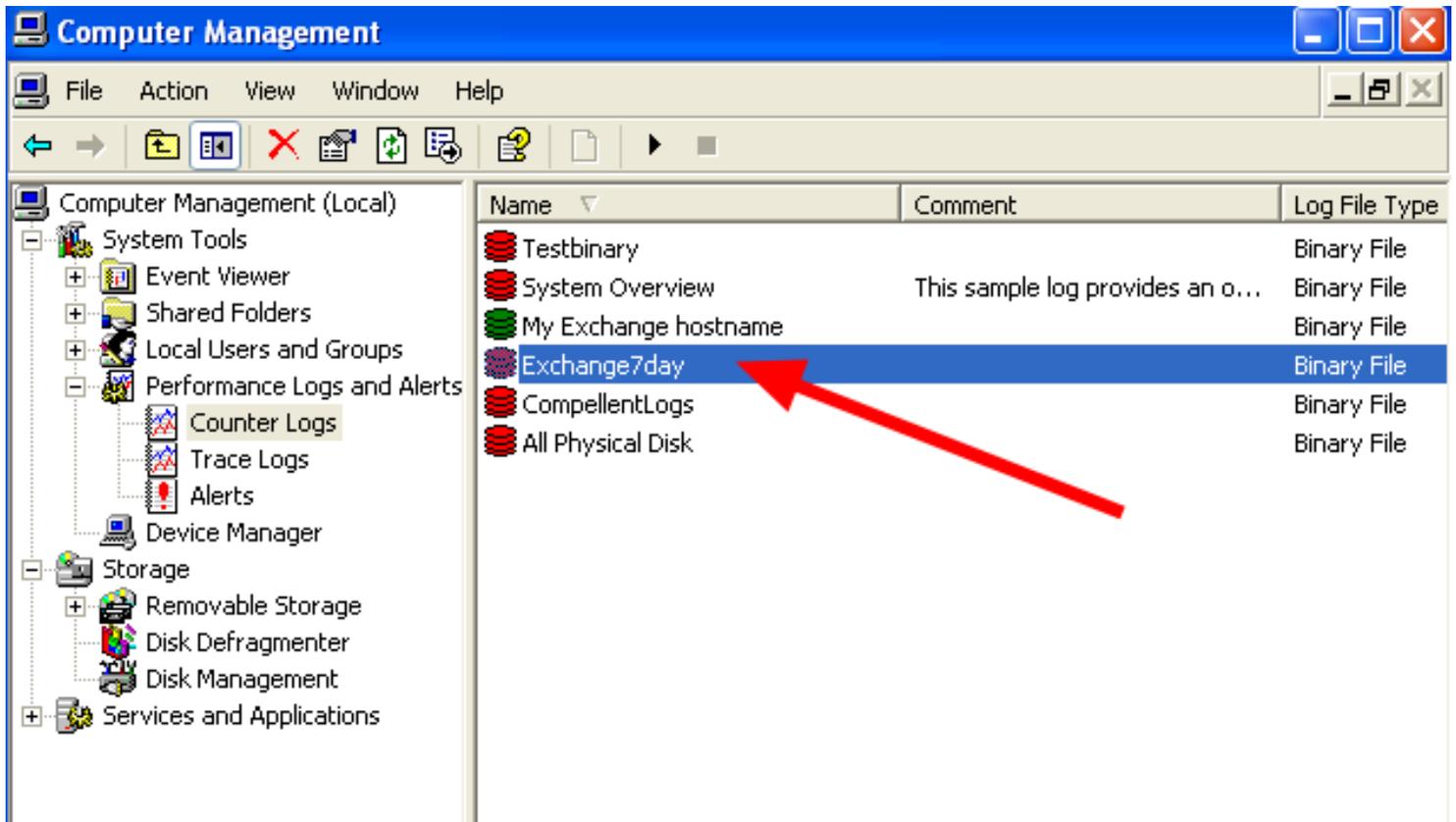
Change the sampling polling interval to 60 and make sure the units is set to seconds.

Schedule the log to sample for one week



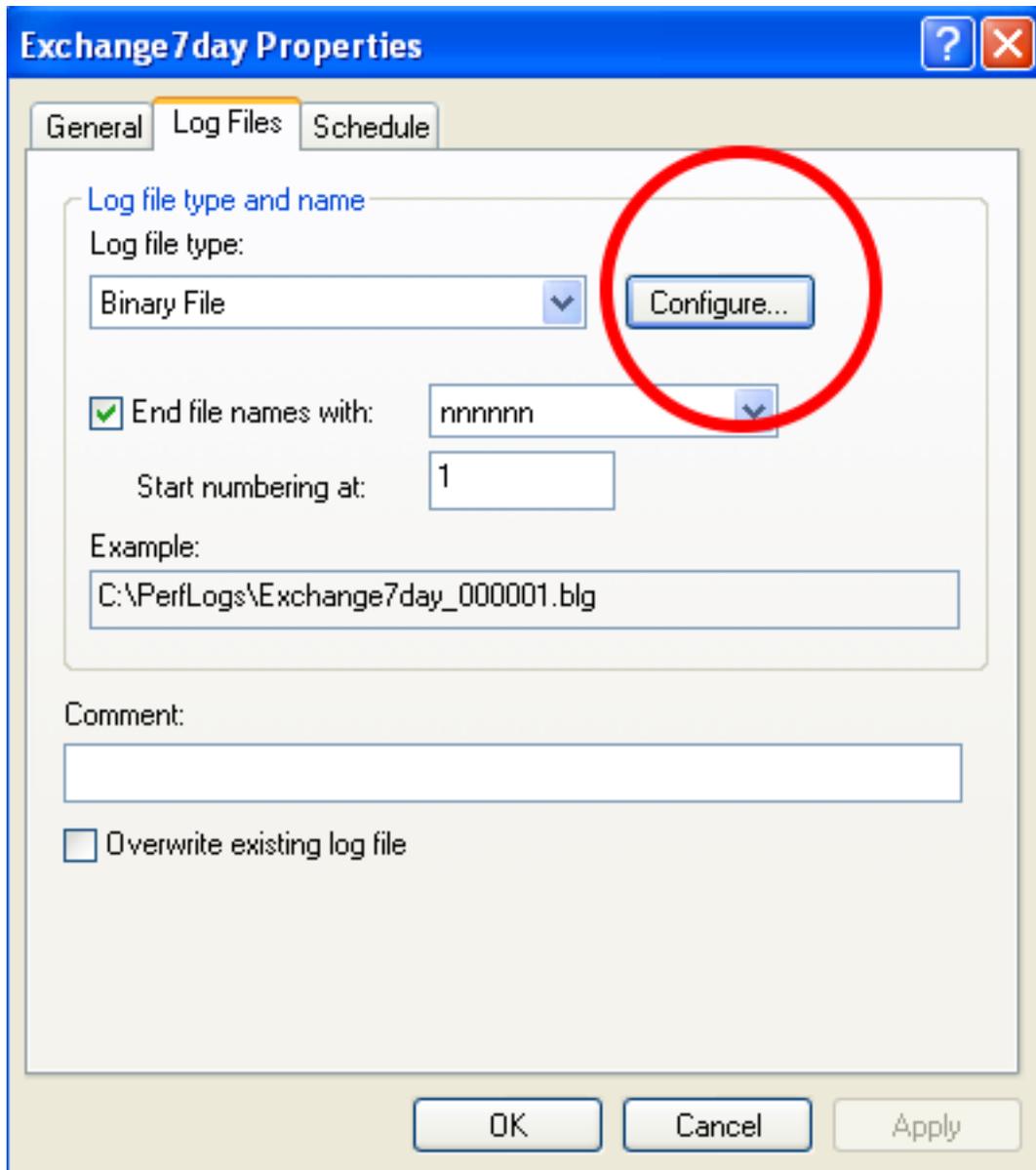
You can start the logging on any day that you would like. Make sure you have enough time to schedule this for all of your servers to begin on the same day. For consistency you must schedule all logs to begin at the same time and on the same day (so we can compare the cumulative effects of all servers). Begin your logging at 6 am as a rule of thumb. You can now hit "OK" and the process will begin on the day and time selected.

Your log settings should now appear in the counter logs list



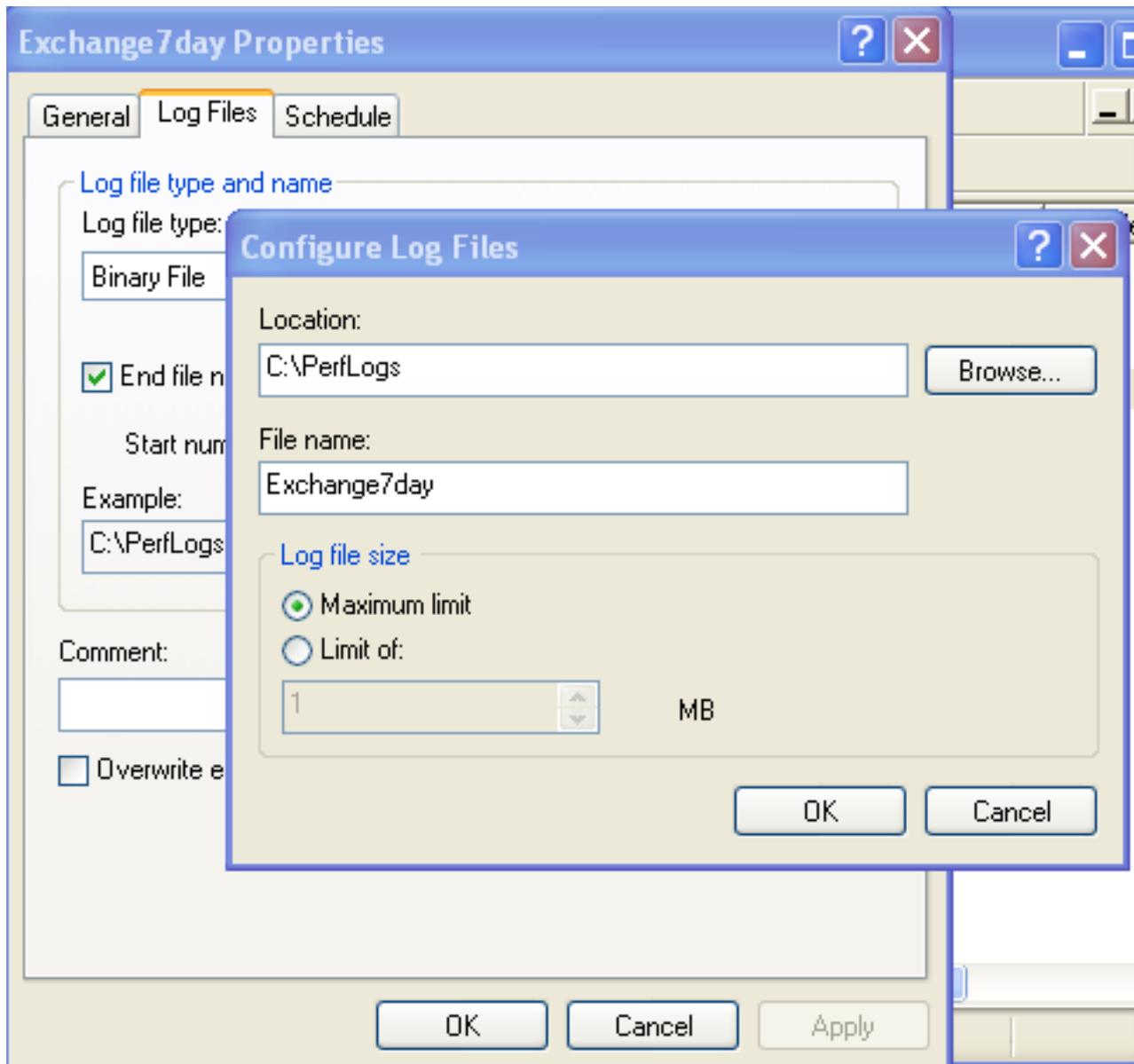
If you need to make changes or want to test your setup in advance, just double click on the name of your counter.

Adjusting your logging directory



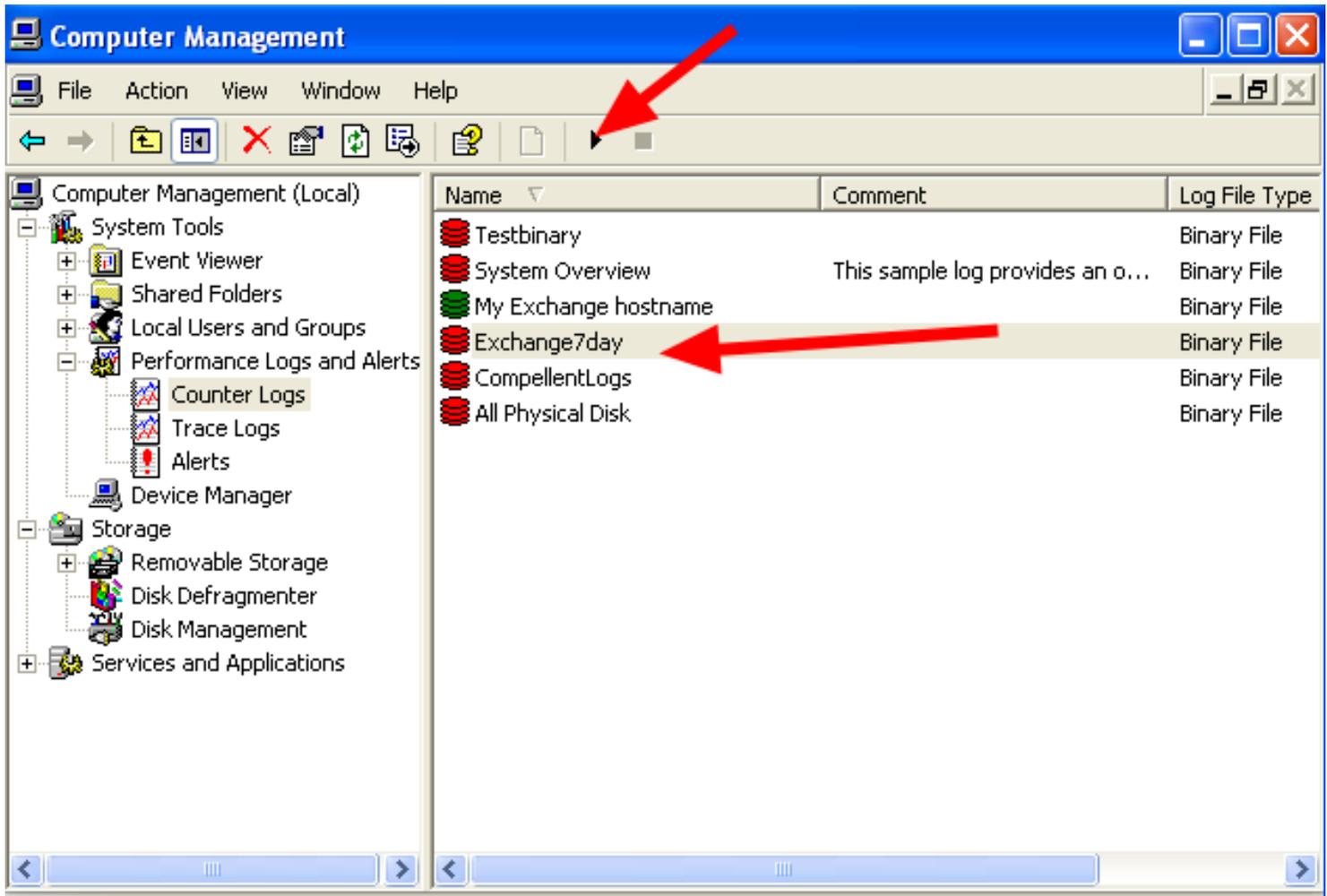
After double clicking on the name of your logging file, select the "Log Files" tab. Now click the "Configure" button. (Do not make any other changes on this screen. You want to leave the output as is: "Binary File.")

You can choose a new log file location from here using a standard dialog



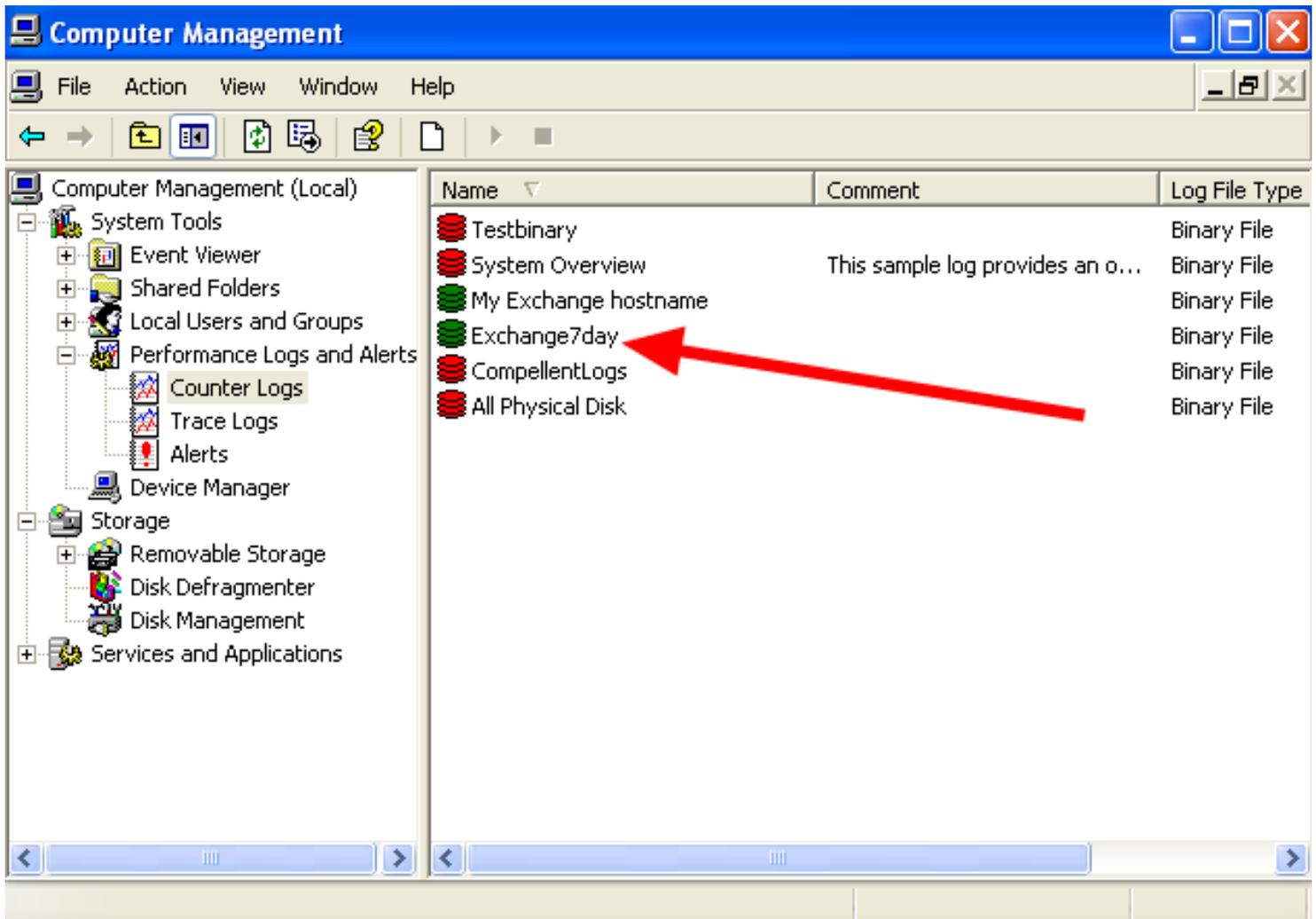
When you create a directory for your log files to be written to just make sure that you have write privileges.

Manually test the logging in advance



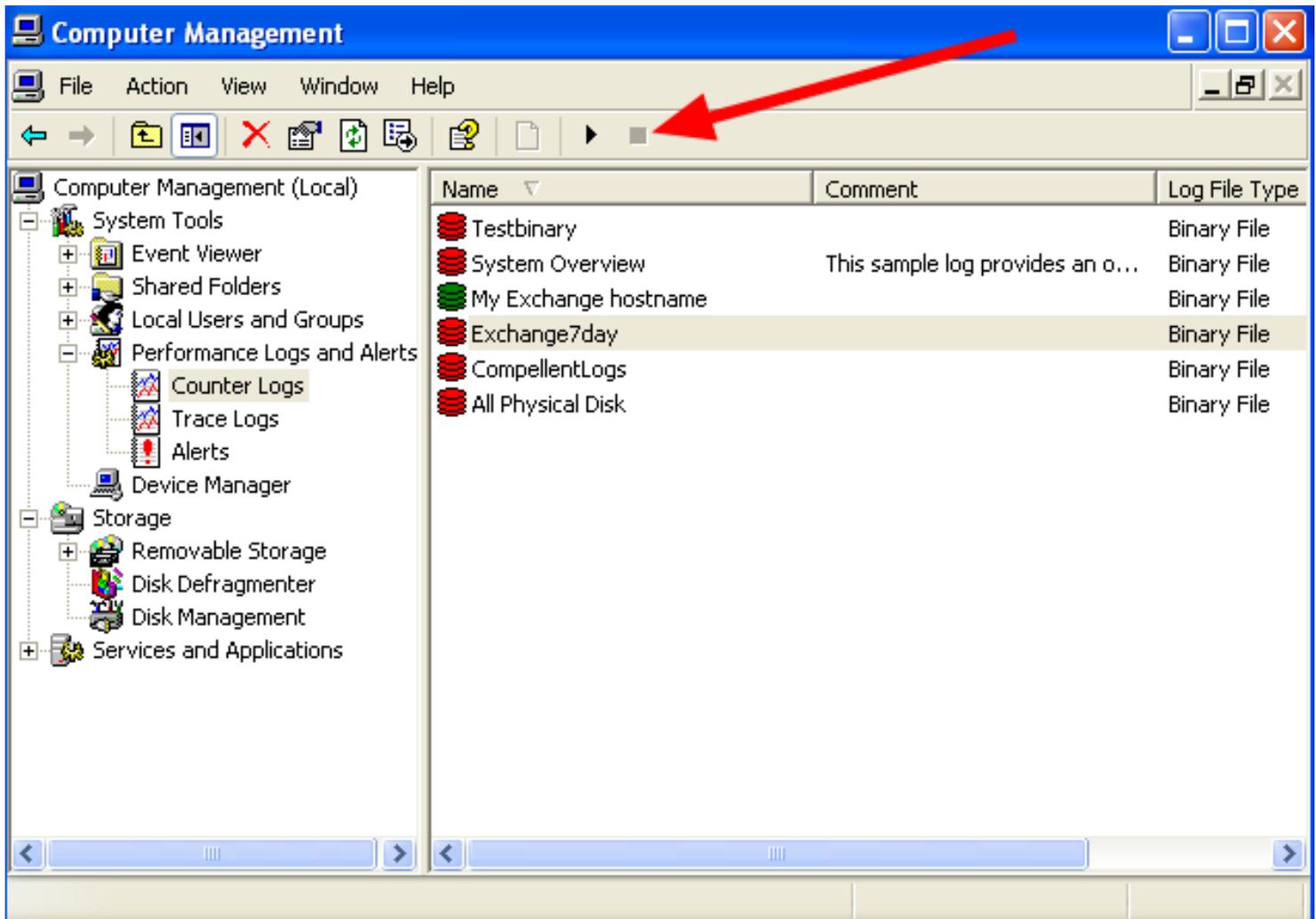
Highlight the log settings that you just created. Click the arrow key to manually start the process now. You can also right-click the rule and choose "Start." Why are you going to do this? Just to make sure that you have everything set up as you need and that you have write permissions to your logging folder.

The "Exchange7day" log is now running as a test



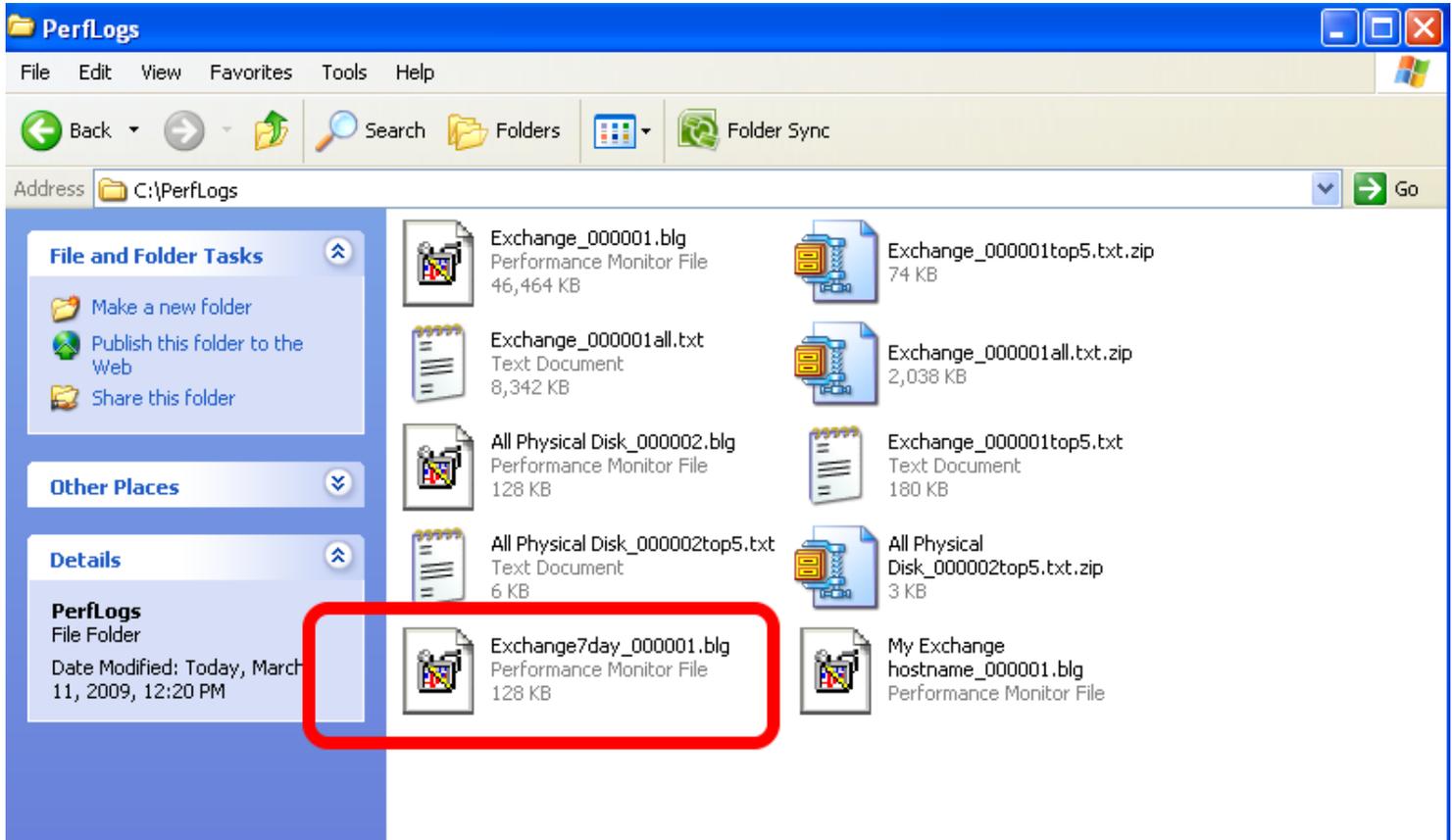
Notice how the log settings file turns green when it is active. (In the example above, I have another log file being run at the same time.)

Stopping the test



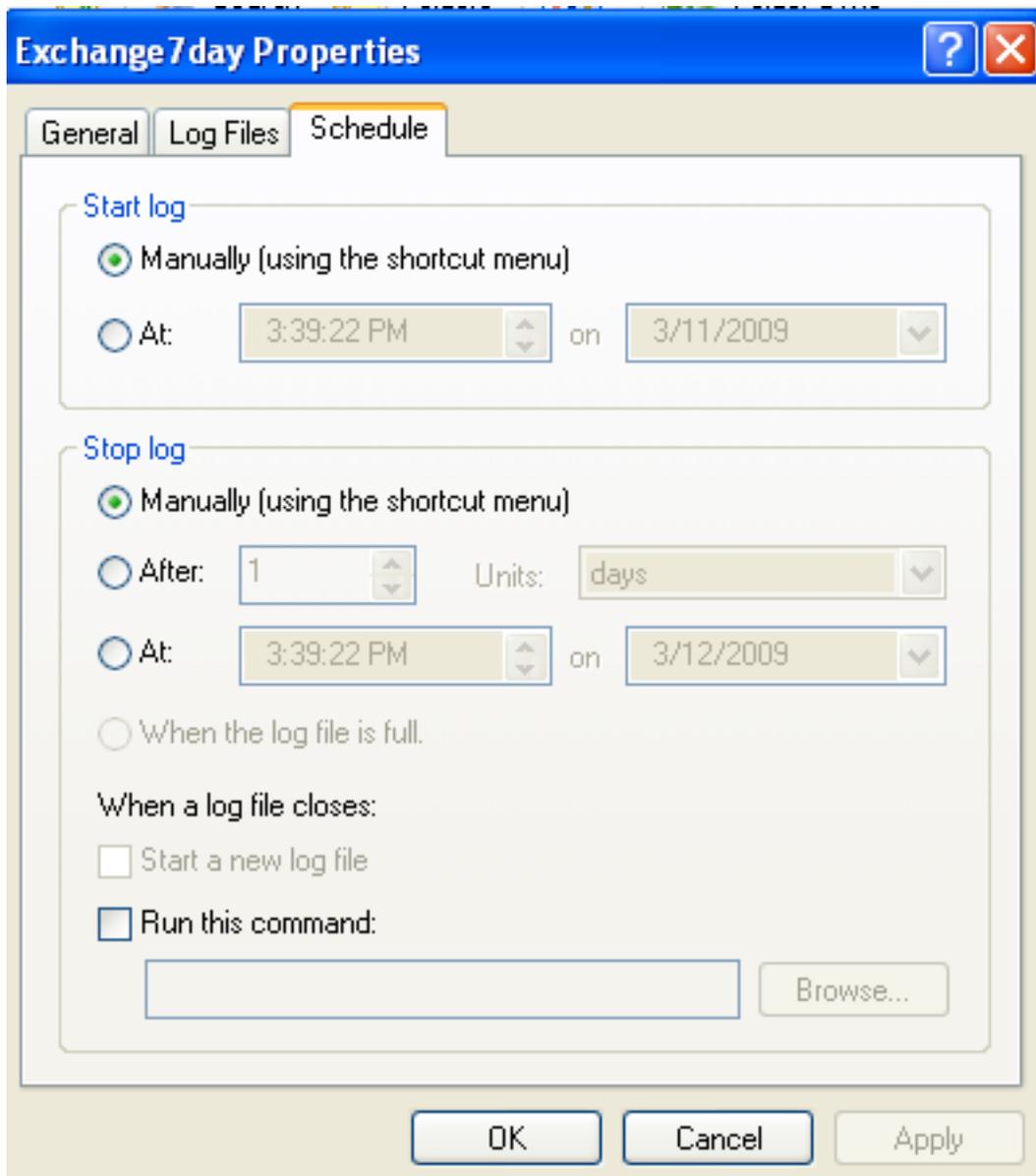
To stop the test (let it run for at least 3 minutes) simply click on the "stop" button on the ribbon (see above). Now you're ready to go look at your log file and make sure it is where it's supposed to be.

Confirming the logging is working as expected

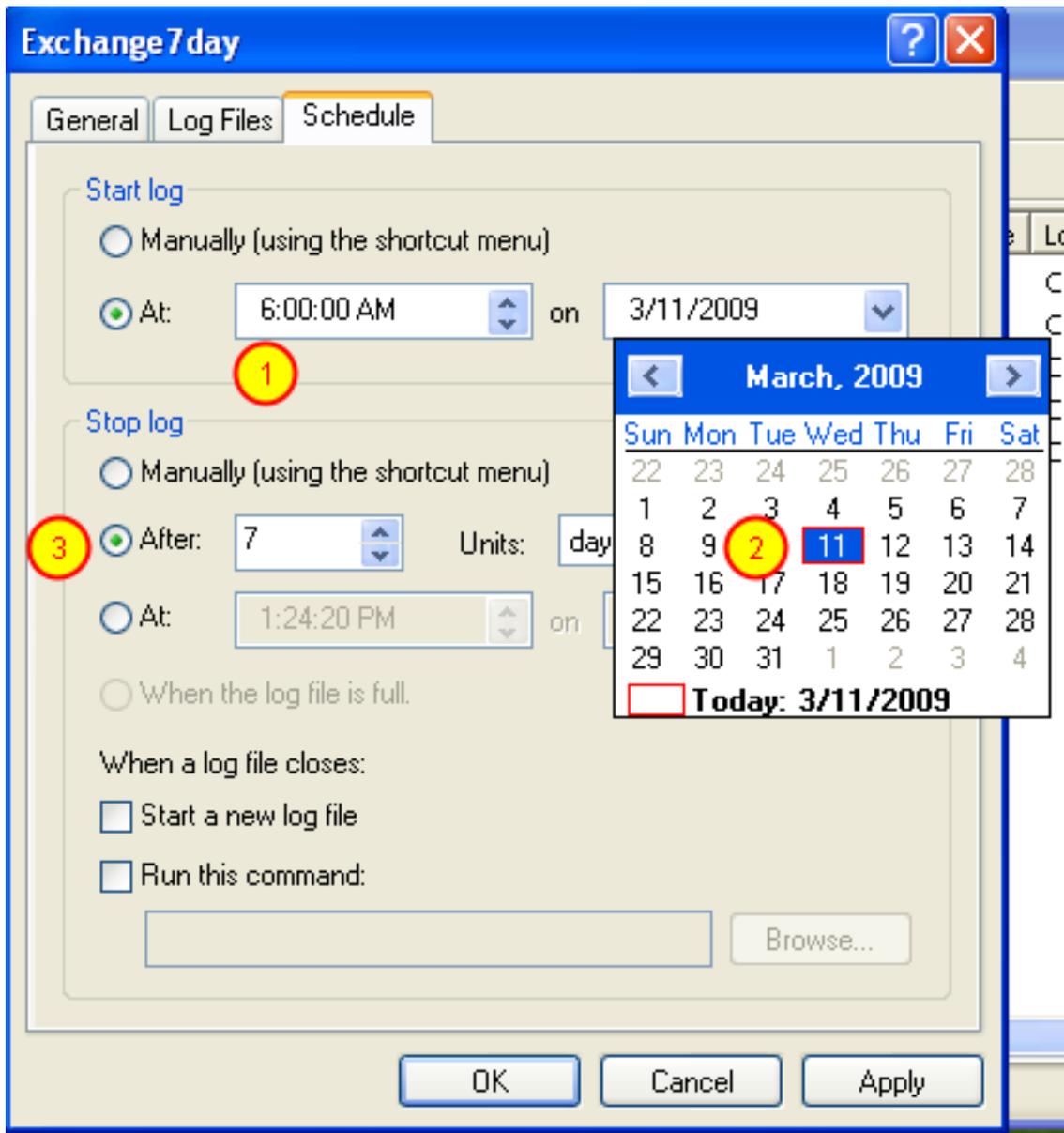


Above the new log file has been circled in red. Notice how the naming convention works and appends some zeros after the name that you gave to the log settings.

You must reset the logging to start automatically after a test



After running the test manually, you will have to reset the logging to begin automatically.



Simply click on the "At" radio button and change the start time to 6 am. Then click on the calendar drop down menu and pick the day you want to start your test. Finally stop the log after 7 days by clicking the "After" radio button and choosing 7. Make sure your units are still in "days" on this screen. Now you can choose "OK" and your settings will be saved to begin logging automatically. Remember that each time you start or stop a test (since we did not choose to "roll" the logs) that the current log file will be labeled "000002" or "000003," etc. You can discard your test log files to make it easier to locate and identify them after you have run them for a week (also, they will be much larger than the test files, of course).