

# MeetingPlace Web Monitor Performance with the Windows perform.exe Utility

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## Introduction

Cisco MeetingPlace Web provides a performance object called MeetingPlace Web Conferencing, which contains a set of performance counters that can be monitored in the Windows performance-monitoring tool.

For the complete list of Cisco MeetingPlace Web performance counters, see Appendix A of this document or refer to the appropriate chapter in the System Manager's Guide. For the procedure to review data saved in a perfmon log, see Appendix B of this document. For the procedure to view perfmon data in real-time, see Appendix C of this document or refer to the appropriate chapter in the System Manager's Guide.

For more information on the Performance Monitor utility, search the Microsoft web site with the keywords **performance monitor**.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

The information in this document is based on Cisco MeetingPlace Web 4.0 (Releases 4.3.0.63 and later).

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

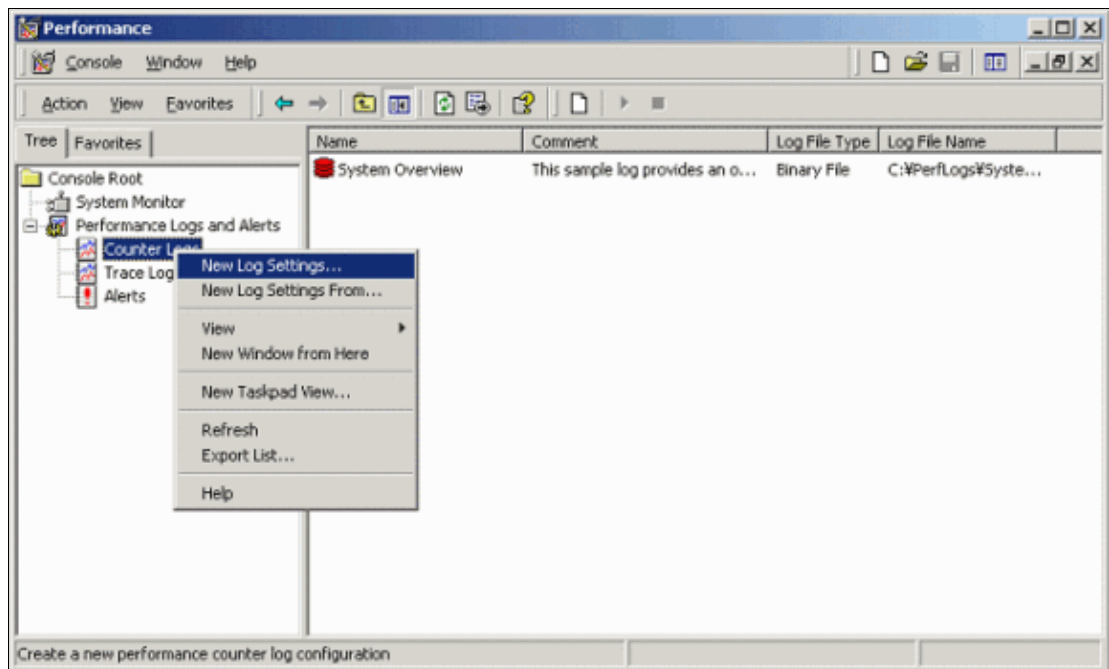
For more information on document conventions, refer to the Cisco Technical Tips Conventions.

# Configure the perfmon.exe Utility to Save Performance Data to a File

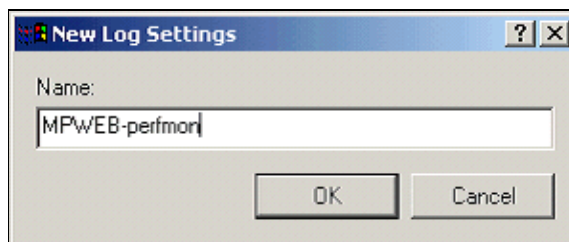
Complete these steps:

1. Choose **Start > Run**. Enter **perfmon** in the dialogue box. The perfmon application user interface (UI) appears.
2. Expand **Performance Logs and Alerts**, right-click on **Counter Logs**, and choose **New Log Settings** to create a new log file. You can then configure this log file to monitor any performance counters you want. In this example, a log called **MPWeb-perfmon** is created.

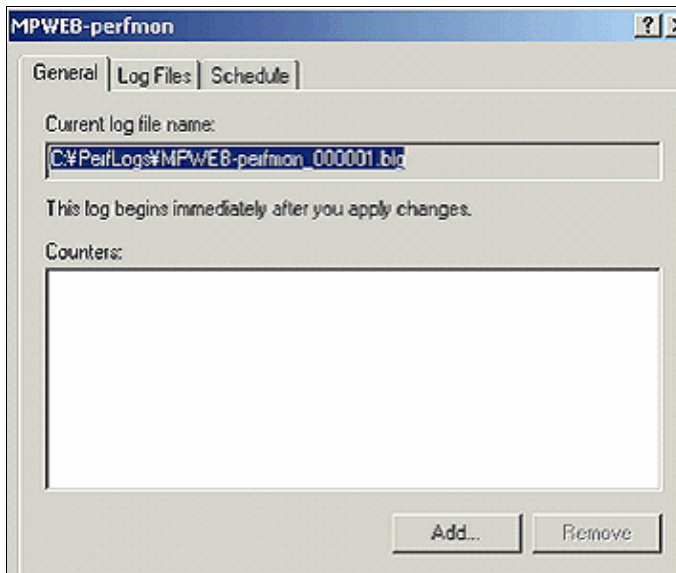
**Figure 1**



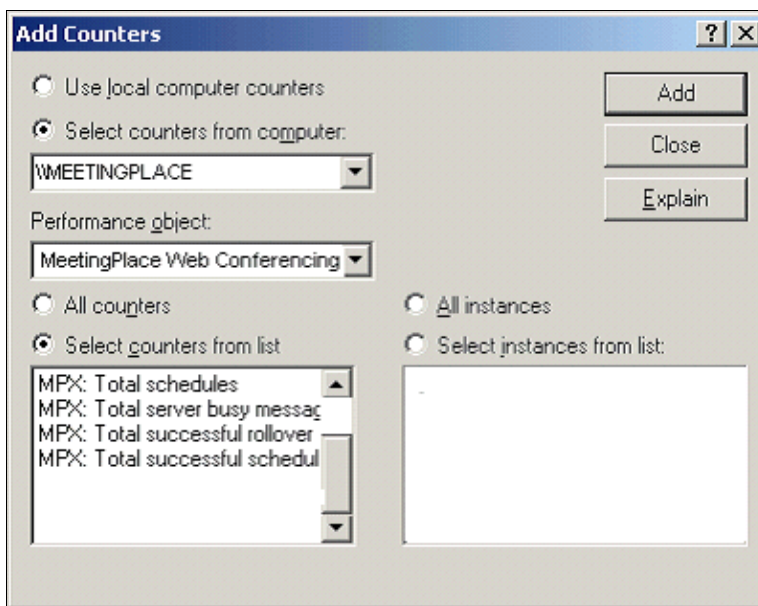
**Figure 2**



3. The perfmon counter log configuration UI appears. It has three tabs: the General tab, the Log Files tab, and the Schedule tab. Click **Add** to begin to add the desired counters.



- From the **Performance object** drop-down menu, select **MeetingPlace Web Conferencing**. Once you have selected a performance object, a list of counters that belongs to that performance object appears inside the counter list box. Some counters may contain sub-objects called instances. If a counter you selected contains instances, they appear inside the instances list box.



- For more information about a specific counter, select it and click **Explain**. To enable a specific counter or instance, select it and click **Add**.

**Note:** You do not see the list of counters and instances you added until you close the Add Counters window.

- Repeat the process in Steps 4 and 5 to add other counters. This is a list of recommended counters to monitor on a Cisco MeetingPlace Web server:

#### ◆ MeetingPlace Web Conferencing

- ◆ MPAgent: Total client connections in MPAgent
- ◆ MPX: Active MPX threads
- ◆ MPX: Total server busy messages
- ◆ MPX: Total attends
- ◆ MPX: Total queries to MPX
- ◆ MPX: Total schedules

◆ **Memory**

◇ Available memory in MB

◆ **Network Interface**

◇ Bytes Received/sec (on the NIC that the Cisco MeetingPlace Web site uses)

◇ Bytes Sent/sec (on the NIC that the Cisco MeetingPlace Web site uses)

◆ **Processor**

◇ \_Total

◇ CPU0

◇ CPU1

◆ **Process**

◇ %Process Time

· dcx500 (only if you use Cisco MeetingPlace Directory Service Gateway)

· dllhost

· inetinfo

· mpagent

· gccd

· gwsvc

· mcsd

· mpaudsvc

· mpdatsvc

· mpconvert

· sqlservr

◆ **SQL Server: General Statistics**

◇ User connections

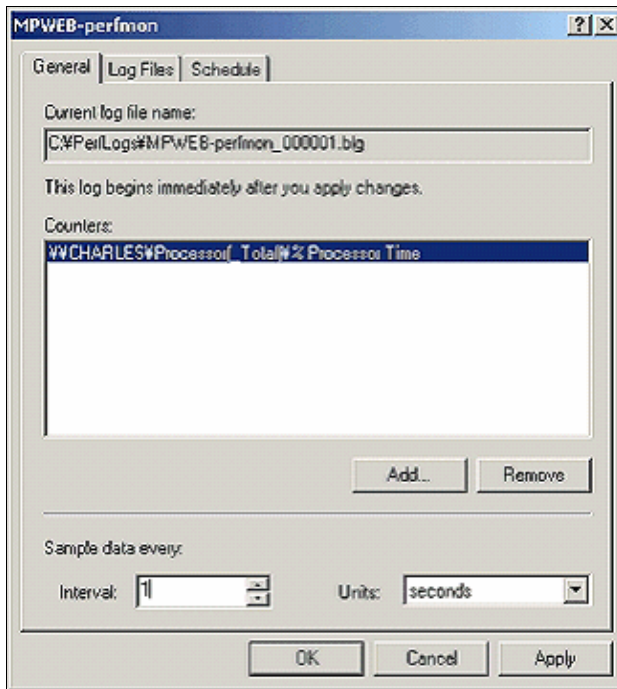
◆ **TCP**

◇ Segments Retransmitted/sec

7. When you have added all of the counters you wish, click **Close**.

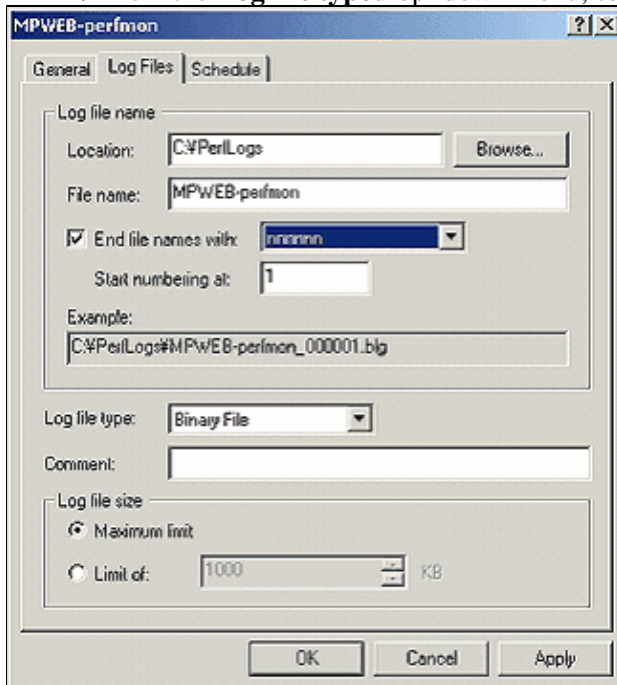
8. Set the **Sample data every** parameter to a one-second interval. It is necessary to sample data with very short intervals because with longer intervals, you may not accurately capture the performance events associated with Cisco MeetingPlace Web activities.

**Note:** A typical 24-hour perfmon log that monitors the recommended list of counters at a one-second interval has a file size of about 110 MB.

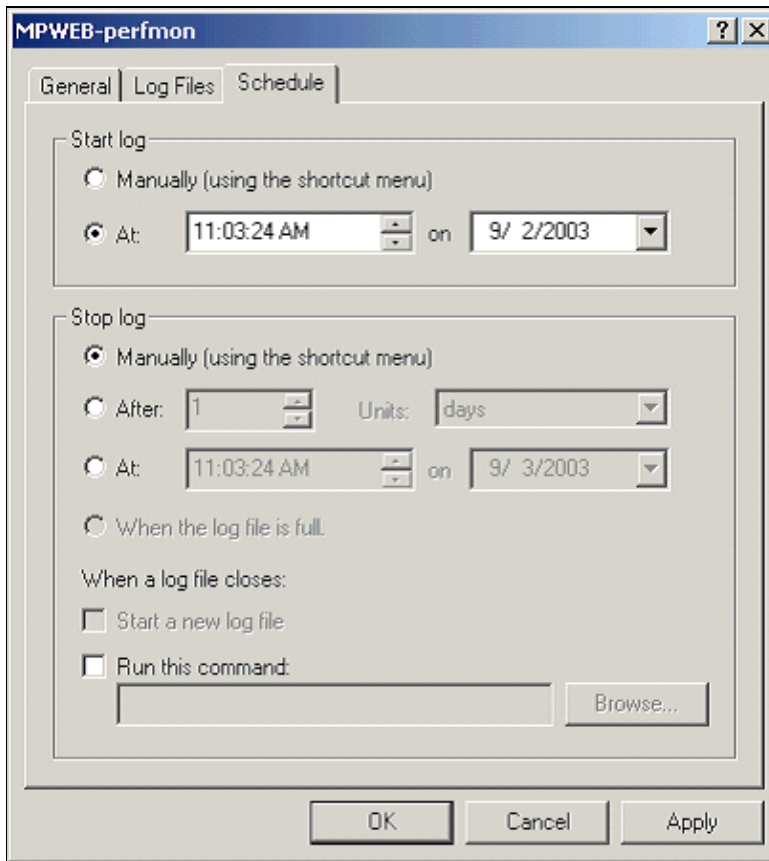


9. Click the **Log Files** tab to configure these parameters:

- ◆ Set **Location** to a desired file storage location.
- ◆ From the **End file names with** drop-down menu, select the desired filename format.
- ◆ From the **Log file type** drop-down menu, select **Binary File**.



10. If you want to set up this perfmon log to occur at a scheduled date and time or as a repetitive task, click the **Schedule** tab and configure it with the appropriate values.



## Appendix A: MeetingPlace Web Performance Counters

Counter Name

Description

MPAgent: Total client connections in MPAgent

The number of client connections in the MPAgent.

MPCConvert: Total power point attachments converted by the conversion service

The number of PowerPoint attachments converted by the conversion service.

MPCConvert: Total power point attachments failed to convert by the conversion service

The number of PowerPoint attachments the conversion service failed to convert.

MPAudio: Total audio attachments converted by the audio service

The number of audio attachments converted by the audio service.

MPAudio: Total MP3 files converted by the audio service

The number of MP3 files converted by the audio service.

MPAudio: Total windows media files converted by the audio service

The number of Windows Media files converted by the audio service.

MPAudio: Total real audio files converted by the audio service

The number of RealAudio files converted by the audio service.

MPDatSvc: Total users pulled by the replication service

The number of users replicated to the SQL database.

MPDatSvc: Total groups pulled by the replication service

The number of user groups replicated to the SQL database.

MPDatSvc: Total meetings pulled by the replication service

The number of meetings replicated to the SQL database.

MPDatSvc: Total attachments pulled by the replication service

The number of attachments replicated to the SQL database.

MPDatSvc: Total confparts pulled by the replication service

The number of conference attendees replicated to the SQL database.

MPDatSvc: Total meeting categories pulled by the replication service

The number of meeting categories replicated to the SQL database.

MPDatSvc: Total size of attachments (in KB) pulled by the replication service

The total size of attachments (in KB) replicated to the SQL database.

MPX: Active MPX Threads

The number of active threads in MPX, the ISAPI entry point of Cisco MeetingPlace Web.

MPX: Total queries to MPX

The total number of queries processed by MPX.

MPX: Total schedules

The total number of scheduling attempts made through MPX.

MPX: Total successful schedules

The total number of successful scheduling attempts made through MPX.

MPX: Total attends

The total number of attend attempts made through MPX.

MPX: Total successful attends

The total number of successful attends made through MPX.

MPX: Total first MtgStatusGetQS queries

The total number of times the meeting room loaded successfully.

MPX: Total rollover schedules

The total number of meeting rollover attempts.

MPX: Total successful rollover schedules

The total number of successful meeting rollovers.

MPX: Total server busy messages

The total number of server busy messages MPX returned to users.

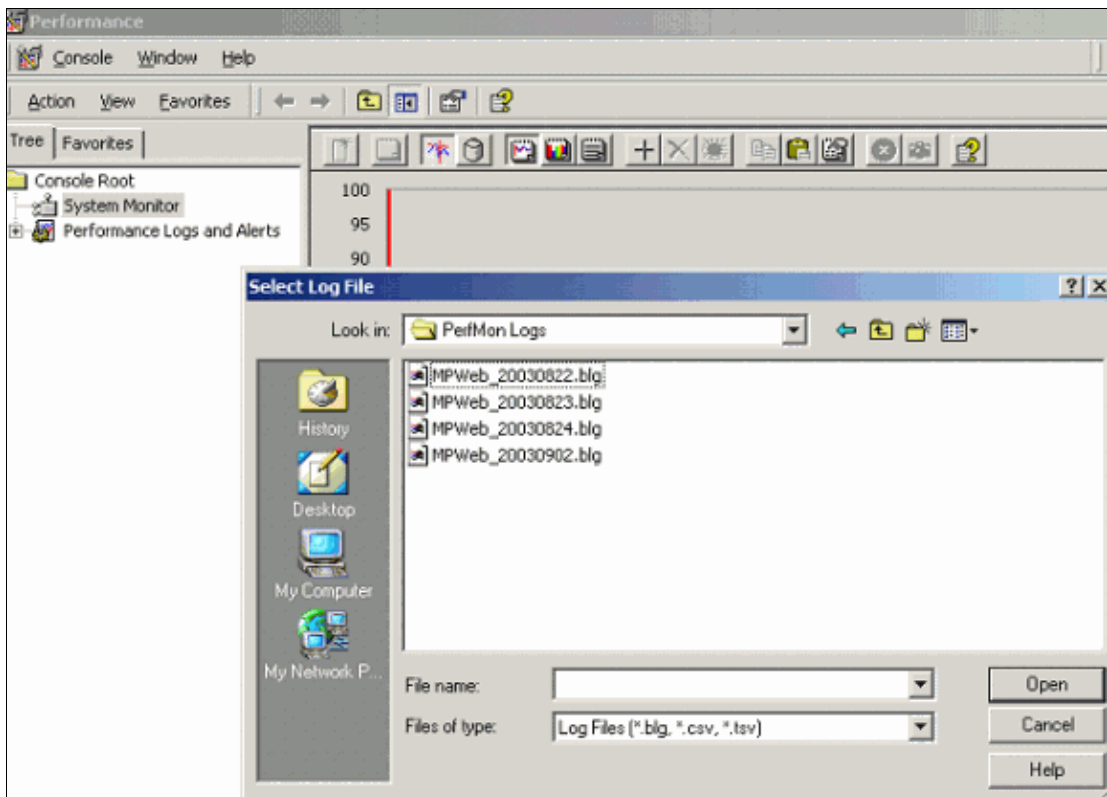
Various FormType counters

FormType counters are Web Service API calls that facilitate internal tracking.

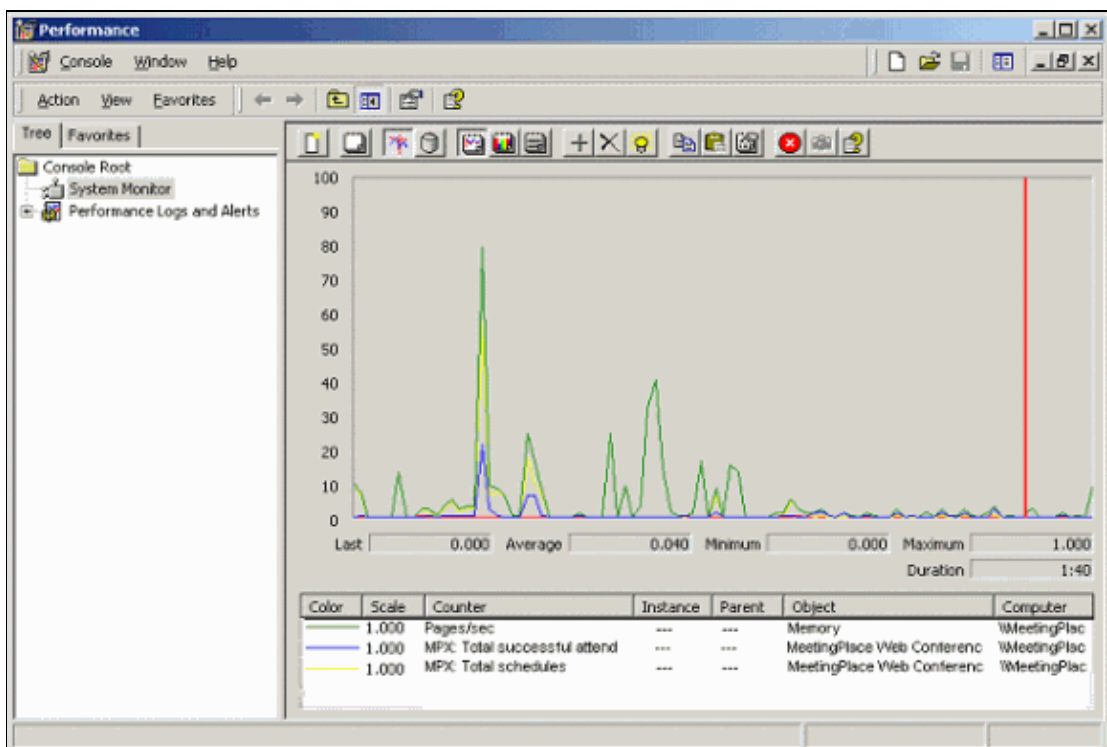
## **Appendix B: Review Data Saved in the perfmon Counter Log**

Complete these steps:

1. Open the **perfmon** utility.
2. On the toolbar, click the **View Log File Data** button.
3. Go to the folder where your perfmon log files are stored. Select the file you want to review and click **Open**.



4. On the toolbar, click the **Add** tool button to add a counter to the graph, or select any existing counter from the list below the graph and click the **Delete** tool button to delete it from the graph.
5. The Performance window now displays the counters you specified.

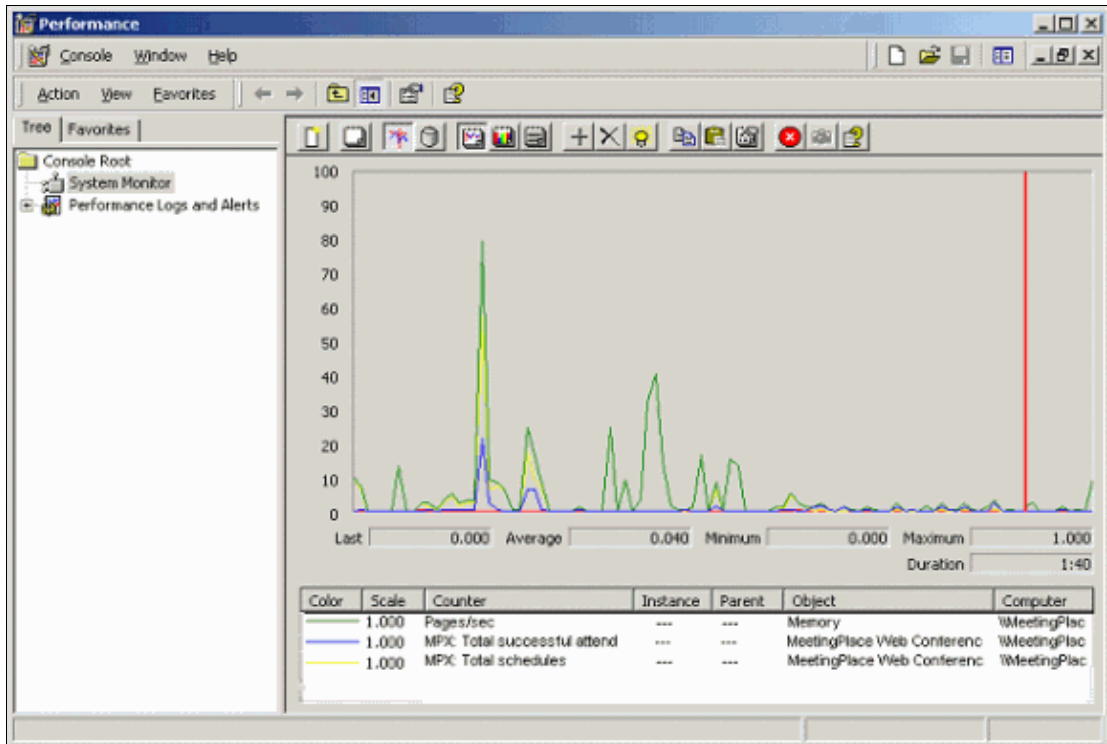


## Appendix C: View perfmon Data in Real-time

Complete these steps:

1. Open the **perfmon** utility.

2. On the toolbar, click the **Add** tool button to add a counter to the graph, or select any existing counter from the list below the graph and click the **Delete** tool button to delete it from the graph.
3. The Performance window now displays the counters you specified.



## Related Information

- [Voice Technology Support](#)
- [Voice and IP Communications Product Support](#)
- [Recommended Reading: Troubleshooting Cisco IP Telephony](#)
- [Technical Support – Cisco Systems](#)

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