300 North Pottstown Pike Suite 200 | Exton, Pennsylvania 19341 | www.MuseumSoftware.com | 800-562-6080 | Support@MuseumSoftware.com

How do I check my network throughput speed to see if it meets the 100 Mbps (Mega bits per second) requirement?

Version 4

	Time of Transfer	**Mega Bytes per second**	**Mega bits per second** 1 byte=8 bits
100 MBPS (Max)	8 seconds	12.5 MBps	100 Mbps Theoretical Maximum
Good Reading	9 to 24 seconds	11 to 4.1 MBps	88 to 32.8 Mbps
Useable Reading	25 to 39 seconds	4 to 2.5 MBps	32 to 20 Mbps
Can be Problematic	40 to 50 seconds	2.4 to 2 MBps	19.2 to 16 Mbps
Unusable/Extremely Problematic	51 or more seconds	Less than 2 MBps	At 51 seconds, the effective speed is only 15 Mbps

This test can be performed on your network by going to Setup on the main menu of PastPerfect and clicking the "Network" button. To test the throughput speed from your computer to the server, click the "Transfer data TO server" button. To test the throughput speed from the server back to your computer, click the "Transfer data FROM server" button. Then compare your results to the chart above. Your results will be given in Mega Bytes per second (middle column).

This test first creates a 100 MB file, then it copies the file to or from the server across the network and times the transfer.

The fastest this could possibly be on a 100 Mbps network is 8 seconds.

Typically on a 100 Mbps network, you will see the transfer take between 12 and 24 seconds. This is a good speed.

25 to 39 seconds is usable.

40 to 50 seconds is marginal. Using PastPerfect on this network will be slow and there is a greater potential for problems of data loss.

If you get a result of 51 or more seconds, try having all users on the network shut down and restart only the server and one workstation. Run the test again from that workstation. If this number cannot be improved, use PastPerfect with extreme caution. There is great potential for data loss. Make frequent backups and report errors immediately to our support office at 800-562-6080.

Wireless networks generally get results of 70 seconds or more (for a typical 11 Mbps connection rate). They also have the potential for losing the network connection. This will result in data loss, so we do not recommend using PastPerfect on wireless networks. Internet connections are generally slower than the wireless connection rates. PastPerfect should not be networked across a typical cable internet connection or DSL connection.