

## Re: DNS performance

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In message <eXxH3731EHA.3816@TK2MSFTNGP09.phx.gbl>, Dave Munday <thehappymundays@hotmail.com> writes

>Hi

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>I have a piece of 3Com network monitoring software that is reporting a high  
>response time from my DNS servers typically 5000 ms against a threshold of  
>1000 ms.

>

>I know the built in performance monitor has many counters relating to DNS  
>is there anything in particular I should look at.

>

>My servers are dual processors with a gigabit of RAM and normal file and  
>print services run slowly.

Your starting point is to look at the fab-4: CPU utilisation, Disk utilisation, Memory usage (particularly paging) and network I/O. From the fact that DNS is slow, and your file/print is running slow, suggests you have a bottle neck somewhere.

On a well tuned system, you'll see:

1. CPU utilisation for the system fairly low (if you see sustained > 70% with lots of peaks higher, you may have a CPU bottle neck. Also, the CPU queue should, in your case, be 2 or less.
2. Memory – pages/second – this should be less than 5–10/sec on a sustained basis.
3. Disk I/O – %IO should be less than 30% on a sustained basis.
4. Network – your link should be less than around 40% used.

Above these numbers you may have an issue, which you can then drill down into.

HTH

microsoft.public.windows.server.dns: Re: DNS performance

Thomas

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