

Re: Performance help

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<http://www.tech-archive.net/Archive/Exchange/microsoft.public.exchange.setup/2006-04/msg00498.html>

- *From:* "Eric Bockelman" <eric_bockelman@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
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The disk subsystem is the biggest performance factor with Exchange. Each user generates an amount of random I/O operations against the information store. If your disk subsystem can not keep up with the number of I/O, your performance will suffer.

How do you increase the amount of I/Os you can sustain? The short answer is to add more disk spindles. When you spec your new server for your upgrade, you can ensure you meet your I/O needs with the appropriate number of disks.

Take a look at this article:

<http://www.microsoft.com/technet/prodtechnol/exchange/2003/library/perfscalguide.mspx>

It will walk you through Exchange 2003 performance issues, how to determine how many IOPS per user you are currently sustaining, and how to calculate disk subsystem requirements. There is also a lot of good information about other tuning you can do.

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"KP" <kpollard@xxxxxxxxxxxxxxxxxxxx> wrote in message
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We currently have one exchange 2003 server with 1900 user accounts. Our average mailbox size is about 90MB and our Public Information Store database is 174GB. We are spread out over 15 locations all connected with T3's so bandwidth is not an issue. But we do get Outlook running very slow on some systems. I want to upgrade the hardware. I have 2 new servers.

My questions are:

1. What is the "real" user load per server. Is my current config too much?
2. If I setup up the 2 new servers with exchange and split users between them and used our old server as a "Front End" server, would this help?
3. What advice can you give me to increase performance?

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Thanks