

Fusion-io: Empowering Exchange



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THE CHALLENGE

Exchange administrators have their hands full with email servers that are always running at capacity, and continually increasing performance and data needs translate to ever-growing server loads. The plague of poor performance has created a struggle for Exchange administrators who must manage a client base spread over a growing number of servers, limit mailbox capacity or productivity features, and wrestle with disk failures that require hours of recovery work and cost the company days of productivity.

Until now, the solution has been a continual outlay on high-performance disks that buy just a few months breathing room because they poorly address disk I/O constraints. Worst of all, these disk-based solutions require adding racks of servers, increasing system complexity and administration overhead, consuming valuable real estate, and escalating power and cooling costs.

THE FUSION-IO SOLUTION

Fusion-io scales server performance up, not out, simplifies life for Exchange administrators by allowing them to:

- Improve the performance load capacity of Exchange servers by over 300%
- Support many more users per server to greatly reduce administration workload
- Turn recovery tasks from days to minutes
- Improve system reliability by replacing mechanical components and a proliferation of failure points with a non-volatile silicon array
- Eliminate disk replacement tasks with advanced wear leveled memory that lasts sixteen to forty-eight years under high-intensity enterprise loads
- Free up valuable server real estate
- Slash power and cooling costs
- Protect sensitive data with advanced error correction, non-volatile memory, onboard RAID5-like redundancy, and power-cut protection
- Eliminate user complaints about email slowness and timeouts
- Implement features like Unified Communication and Sharepoint to improve user productivity

WHAT MAKES FUSION-IO DIFFERENT?

Fusion-io is a new server-side memory tier (we call Sub-Zero) that runs on the same server Exchange runs on.

You can simply move your active files to a few ioDrives and improve Exchange performance by over 50% with no other changes required.

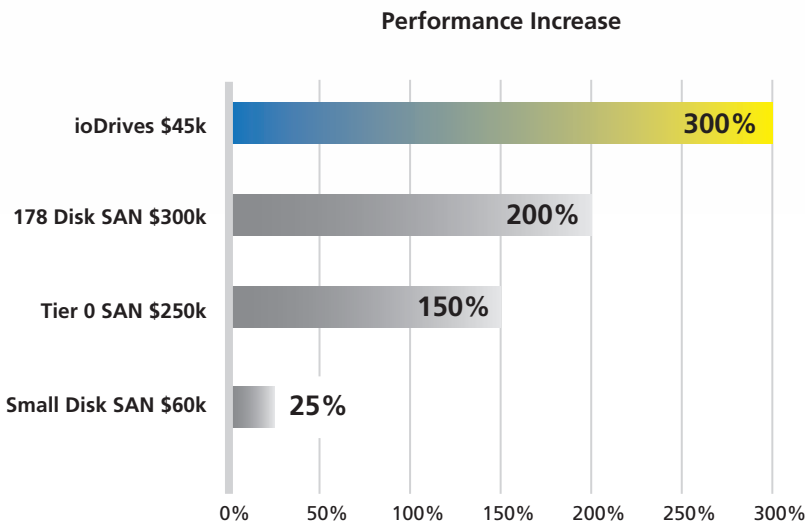
The following files are high I/O (active) and are good candidates for an easy performance upgrade:

- Log files
- Exchange cache
- Exchange application
- Exchange database

And the best part is that we do all of this at a much lower cost on a price/performance basis than any solution on the market. Exchange administrators save hours of administration, lower their system's cost per transaction, and make their users and boss happy.

A LOOK AT THE NUMBERS

As the graph shows, ioDrives offer significantly more performance at a much lower cost than even the most cost effective hard disk array.



THE GREEN SOLUTION

To date, getting more performance has meant increasing power and cooling year-after-year.

Fusion-io reduces each server's power costs by 40%¹ and cooling costs by double the power savings.² Add to these savings the server compression that Fusion-io makes possible, and Fusion-io becomes one of the greenest moves any company can make.

1. According to the Information Business Technology Network, at least 40% of the power for a server with a performance disk array is consumed by the disks.

2. Cooling costs for servers double a server's power consumption. See *Estimating Total Power Consumption by Servers in the U.S. and the World*. ioDrives have much lower cooling requirements

IS FUSION-IO RIGHT FOR YOU?

Fusion-io is right for anyone who wants to:

- Support up to 300% more users per server
- Reduce administration workload
- Effectively address performance and end the cycle of continual performance evaluation and disk purchases
- Improve system reliability by reducing its number of failure points
- Implement value added features like Unified Communication and Sharepoint but haven't because of performance constraints

Fusion-io is not a good fit for those who:

- Do not have performance problems
- Are only looking to increase their Exchange environment's data capacity

CONTACT A SALES REPRESENTATIVE

You can get Fusion-io from our partners and many resellers.

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