



Sun Exchange Solution Bundles

Making Exchange applications easier to install, configure and optimize



Microsoft Exchange® is the most widely used email application today, and expected to capture over 70 percent share by 2010, according to Gartner*. Sun's solution bundles are designed to accelerate deployment and performance of Exchange. Sun has teamed up with AMD to build optimized solution bundles to meet the application demands of customers with Web 2.0, SME and departmental database requirements.

Highlights

- Optimized solutions for Exchange 2003 or 2007
- Built from Sun servers and storage
- Sun performance-ready solution bundles for easy installation
- Step-by-step performance guide for configuration
- Special bundle pricing to improve value and ROI
- Low-power computing built on AMD 64-bit Opteron CPUs
- High performance SAS storage for scalability and data protection
- Pay-as-you-grow for easy growth
- Built using the TPC World Record server technology
- Ideal for SME, departmental applications
- Enterprise-class performance and data protection

Sun optimized solutions for Exchange

Sun has harnessed the power of the Sun Fire™ X4100 M2 or X4200 M2 server and the Sun StorageTek™ 2530 storage array to build turn-key solution bundles that are easy to deploy and easy to optimize. These bundles include all of the pieces you need to make Exchange applications scale and perform.

Meeting IT needs

Email is at the core of every business. VPNs, Webmail, Blackberry's and other mobile email devices have helped corporate email reach across the globe for almost every company. The Exchange community is in the midst of a major transition from Exchange 2003 to Exchange 2007. Most IT managers are taking a measured approach to this transition. Sun has teamed with AMD to build a 64-bit, high-performance solution bundle to meet the demands and needs of Exchange 2003 or 2007.

World-class performance

The Sun Fire x64 servers are now optimized for Exchange applications. Sun has built a step-by-step model to optimize Exchange 2003 or 2007. Based on AMD's advanced Opteron CPUs and HyperTransport memory architecture, the Sun Fire X4100 M2 and the X4200 M2 servers provide the highest transaction rates on 64-bit, x86 systems. The Sun Fire X4100 M2 and X4200 M2 servers bring world-class performance to SMEs and departments for a better value.

StorageTek 2530 workgroup storage

The StorageTek 2530 array is based on the latest enterprise class SAS technology. Offering high performance and data protection capabilities needed for every business critical solution. The StorageTek 2530 supports Microsoft storage management (VDS) and data protection (VSS) tools to accelerate deployment. The StorageTek 2530 scales to 10.8 TB of high availability storage. The StorageTek 2530's storage can be shared across servers and supports snapshot for business continuance needs.

* www.serverwatch.com/trends/article.php/3682041

Exchange bundle #1 details:

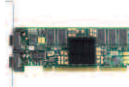
- One Sun Fire X4100 M2 server
 - AMD 2220 CPU
 - 8 GB DDR 400 RAM
 - Dual 146 GB SAS Drives
 - Single DVD Drive
 - Rail kits
- Sun StorageTek 2530
 - 12 x 73 GB SAS drives
 - 15K RPM
 - Two storage domains
 - Dual RAID controllers
 - Three host SAS ports
 - Two SAS cables
 - Rail kit
- Sun SAS HBA

Exchange bundle #2 details:

- Two Sun Fire X4200 M2 servers
 - AMD 2220 CPU
 - 8 GB DDR 400 RAM
 - Dual 146 GB SAS Drives
 - Single DVD Drive
 - Two rail kits
- Sun StorageTek 2530
 - 12 x 146 GB SAS drives
 - 15K RPM
 - Two storage domains
 - Dual RAID controllers
 - Six host SAS ports
 - Four SAS cables
 - Rail kit
- Sun SAS HBA
 - Four SAS HBA cards

Green and Exchange

Like all Sun products, the Exchange bundles are designed for Green operation with lower power and cooling costs. Sun and AMD are leaders in Green IT. Each of these solutions are fully recyclable and made with reduced hazard substances.

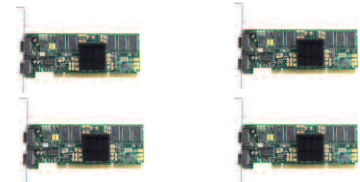
**Exchange Bundle #1****Sun Fire X4100 M2 server****Sun SAS HBA****Sun StorageTek 2530****Ready-to-go for Exchange**

The Sun Exchange bundles are designed to be installed and ready to go. The Sun Fire x64 servers have powerful AMD 2220 CPU and 8 GB of HyperTransport RAM for I/O intensive Exchange applications. The StorageTek 2530 is optimized for the best in price/performance with 73 GB and 146 GB, 15K RPM, SAS drives. These drive choices are ideal for Exchange databases that typically need faster access times across more high speed spindles to increase transaction rates. The StorageTek 2530 can scale to 36 drives to further increase I/O rates.

Keys to Exchange tuning

The keys to optimization of Exchange lie in grouping the right workloads and file system attributes to reduce overhead. Grouping workloads on a dedicated VM or physical servers allow buffers, caches and file system read-ahead and write-back parameters to be optimized.

- **Step 1:** What version of Exchange? 2003 or 2007?
- **Step 2:** Baseline your current Exchange workload
- **Step 3:** Leverage large memory, 64-bit CPUs, and Clustering to scale Exchange
- **Step 4:** Leverage support for larger memory, I/O coalescing and smaller log files to improve performance of Exchange 2007
- **Step 5:** Optimize the ST2530 to support all of Exchange's database workloads

Exchange Bundle #2**Two Sun Fire X4200 M2 servers****Four Sun SAS HBAs****Sun StorageTek 2530****HA and RAS**

The Sun Fire X4100 M2, the X4200 M2 and the StorageTek 2530 are designed for lights out operation. Each product offers enterprise class HA and RAS software and hardware tools. Ensure around the clock access to Sun's award winning global service organization with a Sun Spectrum service plan.

Learn More.

To learn more about the Sun Exchange solution bundle, visit sun.com/promotions and click on the Get a Sun Bundle, Save a Big Bundle promotion.