

LENOVO SOLUTION FOR MICROSOFT EXCHANGE SERVER 2013

Enhanced enterprise communication system with performance, reliability and ease of use on a choice of x3650 M5, x240 M5 and VSPEX platforms

Enterprises are more aware than ever that a key component to their business success is collaboration and communication. Businesses depend on the quick exchange of critical information, and this need for fast and reliable communication places service level expectations on the IT infrastructure.

The Lenovo Solution for Microsoft Exchange Server 2013 brings state of the art mail and collaboration capability to the data center, and can coexist within the prevailing infrastructure or be implemented as a standalone unit. The solution supports large mail and collaboration services.

Clients have a choice of platform:

- Rack server x3650 provides balanced scalability
- Flex System x240 provides manageability and density
- VSPEX simplifies deployment and storage scalability

Lenovo server technology includes fast, agile, resilient systems to maximize uptime. These systems are designed to meet client needs for seamless storage and compute scalability to meet business challenges. IT teams will find this solution simple to install, deploy and manage, and each solution conforms to Microsoft operating and management system standards.

ACHIEVE SIMPLIFIED STORAGE SCALABILITY

The Lenovo Solution for Microsoft Exchange Server 2013 leverages the database availability group (DAG) features of Microsoft Exchange and offers simplified, software defined storage (SDS) scalability based on a choice of methodologies intended to provide worry-free storage expansion. These include in-server storage supported by the x3650 M5 and the server-focused system in the VSPEX architecture; the Flex System based solution uses the cost optimized V3700 SAN storage.



VSPEX with x240 servers

By using JBOD storage technology on the x3650 M5, the solution reduces cost and sets in place a structure for high availability with both databases and logs being placed on a single disk and multiple database copies being hosted on multiple servers in multiple sites. This minimizes the risk of data loss if the disc containing the database copy experiences a fault.

In the VSPEX implementation, the Flex System x240 M5 and system design provides twice the application density in same floor space and Up to 40 percent less energy costs vs. previous generation.

Microsoft recommends having a minimum of four database copies (two per datacenter) to ensure fault tolerance when using JBOD without utilizing RAID or a backup technology. The solution follows Microsoft recommended practices and benefits from the reliability of the components and the design employed.



x240 M5 blade server

RELIABILITY, PERFORMANCE AND ROBUST DESIGN

Lenovo Solution for Microsoft Exchange Server 2013 is a no-compromise collaboration workhorse delivering reliability, scalability and performance. The solution is part of a move to a hyper-converged hardware and software stack which runs the Microsoft Windows Server 2012 R2 operating system and Microsoft Exchange Server 2013.

There are two reference architectures, for System x and Flex System, and an Application Guide designed to maximize the speed of deployment while allowing the customization required to fit the solution to client specific needs. In all these solutions, scalability to meet storage growth is maximized in the architecture, for

instance, by the use of the large storage capacity offered by the x3650 M5 design. Each platform provides a cost-effective storage system which can be used within the constructs of a scalable infrastructure. The use of a reference architecture enables:

- Reliability design—based on redundancy and industry leading servers from Lenovo.
- Comprehensive implementation—that can be further customized for users.
- Quick time-to-value.
- Reduced risk with pre-tested components.
- Use of recommended-practices in design and architecture of the solution for implementation.
- Assurance that the complete solution meets design expectations.



The x3650 M5 server

This solution is a better mailbox storage management solution which can save hard drive space and reduce administrator effort—as well as provide the quick access to data which organizations need to keep business humming. The Exchange Server 2013 64-bit systems enable better memory utilization and reduced disk I/O requirements.

WHY LENOVO

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. System x also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

FOR MORE INFORMATION

To purchase or obtain more information about these Lenovo solutions, contact your Lenovo Business Partner, or visit lenovo.com/systems/solutions

Refer to the Solution Reference Number listed above and at the Lenovo business partner accessible link (for registered partners) on [LETS](#)

DESCRIPTION	SOLUTION REFERENCE NUMBER (SRN)
System x Solution for Microsoft Exchange Server 2013	BAPEXCX1344
Flex System Solution for Microsoft Exchange Server 2013	BAPEXCF0052
VSPEX Application Guide for Microsoft Exchange 2013	BAPEXCV0052



NEED STORAGE?



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NEED SERVICES?



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