



# Get ready for affordable enterprise-class messaging

## Microsoft Exchange 2013 on ProLiant SL4540 Gen8 Server

Reference Architecture provides a blueprint to support thousands of Microsoft® Exchange 2013 mailboxes using a building-block approach backed by an enterprise-class server design, proven best practices, and services expertise.

### More choices, better service

Choose the solution architecture that best meets your needs, and HP Service professionals will help you during every step of the deployment process including Microsoft Exchange installation and startup, server load balancing, mailbox migration, disaster recovery and backup strategies, and any other services you require. With HP, you can look forward to a smooth and easy transition to Exchange 2013 on HP ProLiant SL4540 Gen8 Server.

### Deep, broad experience

As the Microsoft Partner Network 2012 Partner of the Year, you can trust HP to know Exchange better than anyone else.

### Top-ranked

HP won the Microsoft Virtualization and Management 2013 Partner of the Year.<sup>1</sup>

## Ready. Set. Deploy with confidence.

### The time is now to move to Exchange 2013

No longer restricted to simple text, today's emails contain a wide variety of rich content delivered in numerous formats. While this content significantly enhances our day-to-day work lives, it also creates numerous challenges, such as:

- Providing more and larger mailboxes
- Deploying additional infrastructure to support this increased demand
- Finding the budget to make the deployment possible

If you're looking for an advanced solution that can meet your messaging needs without breaking your budget, then you're ready for the HP Reference Architecture (RA) for Microsoft Exchange 2013 on HP ProLiant SL4540 Server. This highly dense and scalable platform enables your IT to deploy large, low-cost mailboxes today, with the ability to scale to thousands of mailboxes over time.

## One block at a time

By following this Reference Architecture's building-block approach, this HP and Microsoft solution is designed to handle 1,500 to 6,000 mailboxes very cost-efficiently. And because the solution architecture is modular, you can duplicate the building blocks to meet your growing messaging needs.

Available in three flexible configurations, the ProLiant SL4540 Gen8 Server offers a highly dense internal storage capacity and improved total cost of ownership (TCO), as compared to traditional Exchange platforms.

## Getting more value

- Improved TCO—Reduces power consumption for the overall Exchange solution due to a more efficient enclosure design and improved power supply utilization. The efficient chassis design optimizes storage and cores in a single enclosure, reducing your cost per mailbox—making it the optimal platform for deploying large, low-cost mailboxes.
- “Solution-ready,” efficiently engineered design—The single-node SL4540 configuration provides greater storage capacity inside the chassis, making it more effective for Exchange.
- Designed for growth and manageability—HP Smart Array technology innovations include predictive rebuild to reduce downtime exposure, improved data retention with Flash Backed Write Cache, and increased data protection. You'll enjoy seamless management of the cluster, server, and storage—made possible by integrated remote support, in addition to serviceability at every level with hot-plug critical components (hard disk drives, nodes, fans, and power).

<sup>1</sup> HP and Microsoft Frontline Partnership key facts, October 2013

## What's new in Exchange 2013?

Built to deliver the enterprise-grade security and reliability your business requires, Exchange Server 2013 introduces the following enhancements and features:

- Support for a multi-generational workforce—Social integration and easily finding people are important to your users. Smart Search learns from users' communication and collaboration behavior to enhance and prioritize search results in Exchange. Users can also merge contacts from multiple sources to provide a single view of a person by linking contact information pulled from multiple locations.
- Provide an engaging experience—The streamlined user interface supports the use of touch, enhancing the mobile device experience with Exchange.
- Integrate with SharePoint and Lync—Together, these three products offer a suite of features that enable enterprise e-discovery and collaboration using site mailboxes.
- Meet evolving compliance needs—Exchange 2013 helps users find and search data not only in Exchange, but also across their organization, including Lync 2013, SharePoint 2013, and Microsoft Windows® file servers. In addition, data loss prevention can help protect your organization from users accidentally sending sensitive information to unauthorized people.
- Provide a resilient solution—Building on the Exchange Server 2010 architecture, Exchange 2013 has been redesigned for simplicity of scale, hardware utilization, and failure isolation.

## Server platform of choice

Trusted to run more Exchange deployments than any other server, HP ProLiant Gen8 servers are the most intelligent servers in the world. Powered by the HP ProActive Insight Architecture, ProLiant Gen8 servers continuously analyze thousands of system

parameters to optimize application performance and proactively improve uptime, while providing insight into every aspect of your IT infrastructure.

ProLiant Gen8 servers feature:

- The industry's most comprehensive built-in management tools
- Converged server and storage platforms with built-in Smart Analytics, delivering a 6X performance increase for your demanding workloads like Exchange 2013<sup>2</sup>
- More than 150 design innovations to deliver industry-leading uptime

The innovative design of the very dense HP ProLiant SL4540 Gen8 Server—one of the latest Gen8 models—enables you to reduce rack space, energy, administrative time, cabling, complexity, and your overall infrastructure costs. HP ProLiant SL4540 Gen8 Server also helps you:

- Improve memory performance and enhance functionality with HP SmartMemory.
- Reach new levels of reliability using HP Smart Array RAID controllers.
- Begin monitoring your base hardware as soon as you plug in the server using built-in HP Agentless Management.
- Set up and deploy your system quickly and easily using HP Intelligent Provisioning.

## Let's get to work

Call your HP representative today. Schedule time to assess your current messaging environment. Discover how the HP Converged Systems RC for Microsoft Exchange 2013 on ProLiant SL4540 Gen8 Server can provide the support you need for larger low-cost mailboxes today, and scale to meet your needs tomorrow.

Learn more at  
[hp.com/solutions/exchange](http://hp.com/solutions/exchange)

<sup>2</sup>Based on HP Engineering internal testing

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