

# HP/Microsoft Office SharePoint Server 2007 collaboration solution

Collaboration solutions built for today's workforce



It is vitally important that people connect and collaborate efficiently. Working in today's world requires new solutions.

In today's fast-moving, highly-competitive environment, it is vitally important that your employees have fast, easy access to the information and collaboration tools they need to do their jobs. Additionally, today's users want to collaborate and seek out peers or experts to add value to the information they are creating.

But to find, organize and publish information rapidly and effectively is a major challenge. The sheer volume of documents and multitude of content formats—including hardcopy—is a significant strain. While most enterprises have experimented with collaboration, most have not fully capitalized on this powerful market strength.

With HP BladeSystem, HP ProLiant server and HP storage-based solutions running Microsoft® Office SharePoint® Server 2007, you can quickly turn your computer network into a knowledge network, bringing together people, processes and information.

## Solution architecture

Collaboration technology allows the flexible sharing of information. However to fully capitalize on knowledge across the enterprise you also want to incorporate search, enterprise content management, and provide easy access to your line of business applications. The concept of the digital "workplace"—a coherent electronic working environment for the knowledge worker—is becoming increasingly important. Collaboration, content management and portal software technologies are converging to make this vision a reality.

HP and Office SharePoint Server 2007 solutions delivered by our partners empower employees by speeding access to information and allowing them to assemble into high-productivity teams. To support Office SharePoint Server 2007 implementations, HP provides a full range of industry-standard servers, storage systems and mobile devices to meet the unique requirements of every business. HP and Microsoft Office SharePoint Server 2007 provide the foundation you need for improved information access and sharing, and true team collaboration.



FRONTLINE PARTNERSHIP

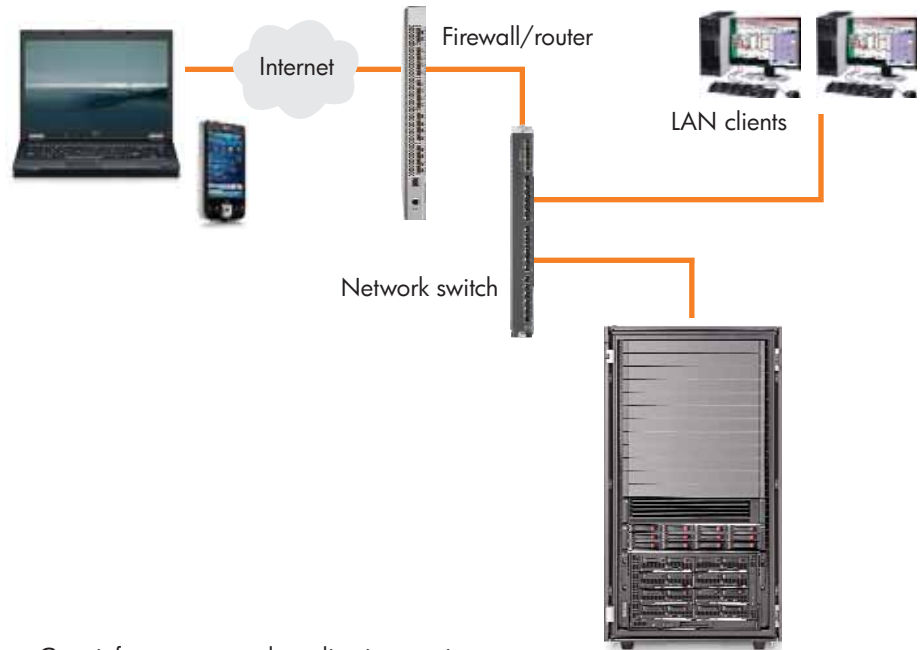
## Solution context

To design an Office SharePoint Server 2007 solution, it is important first to understand the context in which the application will be deployed. This illustration depicts a simplified infrastructure which provides this context.

It is characterized by these basic components:

- Core infrastructure/application services
- Network switches and firewall
- Local area network (LAN)-based clients
- Remote access or mobile clients

Based on your particular scenario, which deployment model is right? The answer lies primarily in the number of Office SharePoint Server 2007 users and your storage requirements.



Core infrastructure and application services running Microsoft Office SharePoint Server 2007

# Which Office SharePoint Server 2007 deployment is right for your business?

## Solution architecture

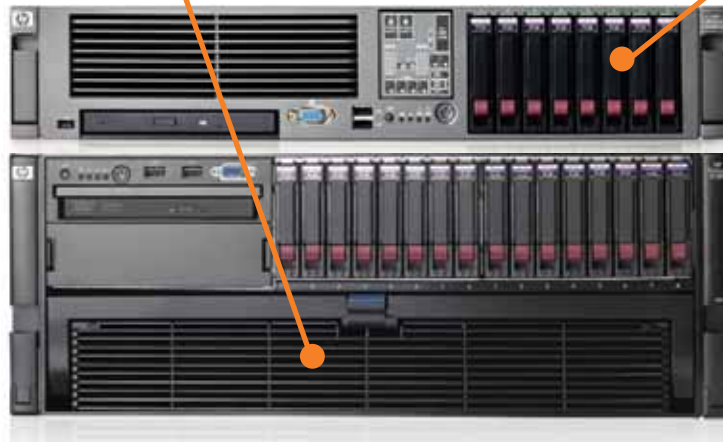
- A two-server configuration provides a cost-efficient solution for small businesses needing to easily extend capacity in the future.
- The HP ProLiant DL38x G5 Server supports all the required SharePoint services and roles.
- The HP ProLiant DL58x G5 Server supports all the required Microsoft SQL Server™ databases and has capacity to support additional office SharePoint Server role-based servers.

### HP ProLiant DL58x G5 Server

Microsoft SQL Server using internal storage; Office SharePoint Server 2007 storage capacity, 1TB (RAID0+1)

### HP ProLiant DL38x G5 Server

Web Front End (WFE), query search and index search



An example HP configuration for Microsoft Office SharePoint Server, up to 400 users

## Solution architecture

- The HP BladeSystem c3000-based configuration supports a highly-available office SharePoint Server solution that can be expanded as needed.
- Two servers support WFE and query roles via a load-balanced pool. The query search role can be moved to additional dedicated servers if needed, and/or additional WFE servers if added.
- Two servers support an active/passive Microsoft SQL Server cluster.
- Storage supports all required databases, content and index data, and can be further expanded as needed by adding MSA20 enclosures.

## Index server

1 x HP ProLiant BL46xc Server Blades

## Microsoft SQL Server

2 x HP ProLiant BL46xc Server Blades, clustered

## Web Front End servers

2 x HP ProLiant BL46xc Server Blades



## Content storage

HP StorageWorks 2000i Modular Smart Array (MSA2000i)

High capacity external storage iSCSI based storage for Office SharePoint Server 2007, 36TB

An example HP configuration for Microsoft Office SharePoint Server, up to 800 users

## Solution architecture

- An enterprise-ready, highly-available solution capitalizing on office SharePoint Server's modular design, where the initial 8 servers can be expanded up to 16 as additional capacity is needed for any specific role to meet user and workload changes
- Load-balanced pool of WFE servers
- Dedicated query search servers
- Active/passive Microsoft SQL Server cluster, expandable to N+1
- Highly-available, dual-path storage ensures data integrity and large storage capacity

## Application server

1 x HP ProLiant BL46xc Server Blade

## Index server

1 x HP ProLiant BL46xc Server Blade

## Microsoft SQL Server

2 x HP ProLiant BL46xc Server Blades, clustered

## Web Front End servers

2 x HP ProLiant BL46xc Server Blades

## Search server

2 x HP ProLiant BL46xc Server Blades

## Storage array

1 x HP StorageWorks 4100 Enterprise Virtual Array (EVA4100) Microsoft Office SharePoint Server 2007 storage capacity, 10TB



An example HP configuration for Microsoft Office SharePoint Server, up to 1000 users

## Solution highlights

HP works directly with Microsoft developing collaboration architectures and performing internal testing to develop best practices so that you can use Office SharePoint Server 2007 to achieve better business agility and return on IT investments.

HP and Microsoft with our partners can:

- Empower teams with easy-to-use collaborative workspaces
- Streamline content management using innovative electronic forms solutions
- Provide anywhere access with Microsoft Windows® Mobile®
- Integrate collaborative systems with e-mail, instant messaging, Microsoft Office line-of-business data and enterprise applications
- Provide compliance-based data retention and protection capabilities

HP is ready—now—to transform your enterprise with Office SharePoint Server 2007 technologies to deploy a thriving collaborative portal environment. Collaboration portal solutions combine industry-leading HP ProLiant servers and HP storage and partner services to intelligently support individuals and teams. In addition, HP can connect and leverage your existing investments in desktop and enterprise applications to provide you with the ideal information solution, customized for your organization.

## Mobile access

- HP and Microsoft give your staff virtually anywhere, anytime access to instant messaging, Microsoft Office programs, key corporate databases and line-of-business applications from the road, office or home.
- Administrative access to your servers using Integrated Lights-Out (iLO) technology
- HP and our partners can extend the value of your portal by integrating existing business applications or enabling the portal for mobile professionals.

## HP/Microsoft Frontline Partnership

The HP/Microsoft Frontline Partnership is a long-term, strategic alliance and shared partner network, specifically dedicated to delivering optimized, reliable HP and Microsoft solutions ready to meet your business needs. Building on a strong foundation of shared technology and engineering, you can trust that HP and Office SharePoint Server 2007 provide reliable, powerful and highly secure solution for your Microsoft implementations.

HP and Microsoft have a global network of joint channel partners who can help design, implement, manage and support Office SharePoint Server 2007 for your business. You can count on HP, Microsoft and their local technology partners, together on the frontline, to deliver enhanced solutions that are reliable and ready to meet your unique business needs. These Frontline Partners have the certification, skills and expertise to leverage HP and Microsoft technology to drive solid business results for your organization.

For more information, visit [www.hp.com/go/sharepoint](http://www.hp.com/go/sharepoint)

© 2008 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft, Microsoft Office SharePoint Server, Microsoft SQL Server and Microsoft Windows Mobile are U.S. registered trademarks of Microsoft Corporation.

4AA2-0001ENW, June 2008



FRONTLINE PARTNERSHIP