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Lynx Enterprise Recommended Hardware Requirements

LYNXPM, L.L.C. offers the following configurations, which should be considered as suggestive of the type of hardware that could be used for Lynx Enterprise installations. The *specific* hardware configurations below are broad guidelines for planning and implementing the Lynx software applications.

It must be noted that individual requirements with regards to performance and scalability must be validated by qualification testing and tuning which model the expected production usage. Large variations from recommended hardware may be necessary depending upon factors such as burst loading, load types, and user behavior.

LYNXPM, L.L.C. recommends that installations for 150 users or more use two machines, one for the database server and one for the application server so both machines should be considered in capacity planning.

Single machine installations, generally considered acceptable for installations with 50 users or less are not covered specifically, but acceptable performance with configurations specified for *Less than 150 Users* is a reasonable starting point.

Web and Application Servers

- **Server Operating System: 2003/2008/2008R2/2012. All Editions (32/64 bit)**
- **Web Server Software: Internet Information Service (IIS)**
- **Machine Architecture: Intel/AMD/Celeron, I3, I4, I5, I6, I7, etc.**

Number of Users	CPU	Memory (RAM)	Disk Size and Type
Less than 150	2 GHz or higher CPU - Suggest dual capable	4 GB	40 GB (IDE/SATA acceptable)
150 to 500	2 GHz or higher Dual - Quad CPU	8* GB	40 GB (IDE/SATA acceptable)
500 to 1000	2 GHz or higher Dual - CPU -Suggest Quad capable	16* GB	40 GB (SCSI/FC RAID array recommended)
Each additional 1000 users	Two additional 2 GHz or higher CPU	2 or more GB Additional*	40 GB (SCSI/FC RAID array recommended)

* - If using Microsoft Windows Server 2003 Standard Edition you will not be able to use more than 4GB of RAM. Use this hyperlink to go to the Microsoft "[Comparison of Windows Server 2003 Editions](#)"



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Database Servers

- **Operating System: 2003/2008/2008R2/2012. All Editions (32/64 bit)**
- **Machine Architecture: Intel/AMD/Celeron, I3, I4, I5, I6, I7, etc.**
- **Database Software: MS SQL Server 2005/2008/2008R2/2012 (32/64 bit)**

Number of Users	CPU	Memory (RAM)	Disk Size and Type
Less than 150	2 GHz or higher CPU - Suggest Dual capable-	4 GB	250 GB (IDE/SATA acceptable)
150 to 500	2 GHz or higher Dual CPU	8* GB	500 GB (IDE/SATA acceptable)
500 to 1000	2 GHz or higher Dual CPU - Suggest Quad capable-	16* GB	1000 GB or larger (SCSI/FC RAID array recommended)
Each additional 1000 users	Two additional 2 GHz or higher CPU	2 or more GB Additional*	1000 GB or larger additional (SCSI/FC RAID array recommended)

NOTE: For large applications or long term data storage SANS Data Servers are highly recommended.
* - If using Microsoft Windows Server 2003 Standard Edition you will not be able to use more than 4GB of RAM. Use this hyperlink to go to the Microsoft "[Comparison of Windows Server 2003 Editions](#)"

A Note On Network Connectivity

User interaction with the server is governed by normal networking methodology and is beyond the scope of this document, but requirements are similar to any application where sufficient bandwidth is necessary to support the expected user load on the server. Installations with expected high network usage for user connectivity may need multiple network connections and high speed networks.

A minimum of a 100Base-T connection between the application and database servers for installations of 150 or more users is required. In congested networks a dedicated network connection between the database server and application servers is highly recommended.



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Minimum Requirements Workstation/Stand Alone Installations

The LYNX Enterprise Digital Photo Management System requires the following minimum requirements:

Hardware 32 or 64 bit

IBM PC or compatible, Pentium III, 1.6 GHz or greater (Pentium 4, 2 GHz or higher recommended).

1 Gig of memory (4 Gig or higher highly recommended).

250 Gigabyte free hard disk space minimum. Adequate free hard disk space must be available for your images. Space required for images will depend on camera model/resolution, compression, quantity, etc.

2x CD-ROM (not required if application is downloaded)

Super VGA card, 16-bit or higher.

Software 32 or 64 bit

Microsoft Windows PC OS: XP/Vista/Win 7/Win 8. All editions

Microsoft Windows Server OS: 2003/2003 R2/2008/2008 R2/2012. All editions.

Microsoft SQL Server: 2005/2008/2008R2/2012. All editions.

Microsoft .NET Framework version 2.0 - 4.0 (This component is part of the Windows operating systems, if you don't already have .NET you can download free from Microsoft).

Microsoft Data Access Components (MDAC) version 2.7 or higher (This component is part of the Windows operating systems, if you don't already have MDAC you can download free from Microsoft).

Please feel free to call us for specific hardware/software requirements or recommendations.

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