

# CERF 5.0 SYSTEM REQUIREMENTS

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For a successful CERF ELN software system implementation, our customers must provide a suitable computer and network hardware environment.

## CLIENT APPLICATION SYSTEM REQUIREMENTS

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### Windows

- Windows 10
- Windows 8.x (Desktop)
- Windows 7 SP1
- Windows Vista SP2
- Windows Server 2008 R2 SP1 (64-bit)
- Windows Server 2012 and 2012 R2 (64-bit)
- RAM: 4 GB
- Disk space: 1 GB free space
- Processor: 2.4 GHz or higher

### Mac OS X

- Intel-based Mac running Mac OS X 10.8.3+, 10.9+
- RAM: 4 GB
- Disk space: 1 GB free space
- Administrator privileges for installation
- Java SE 8, available from Oracle:  
<http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html>

## SERVER APPLICATION SYSTEM REQUIREMENTS

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### Windows

- Windows Server 2008 R2 SP1 (English 64-bit)
- Windows Server 2012 and 2012 R2 (English 64-bit)
- RAM: 8 GB or higher
- Disk space: 4 GB for installation + 250-500GB for user storage
- Processor: 2.4 GHz or higher

### Mac OS X

- Intel-based Mac running Mac OS X 10.8.3+, 10.9+ (English)
- RAM: 8 GB or higher
- Disk space: 4 GB for installation + 250-500GB for user storage
- Processor: 2.4 GHz or higher
- Administrator privileges for installation

## 100+ USER ENTERPRISE SERVER RECOMMENDATIONS

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### Windows

- Windows Server 2008 R2 SP1 (English 64-bit)
- Windows Server 2012 and 2012 R2 (English 64-bit)
- RAM: 8-16 GB
- Disk space: 4 GB for installation + 1-2TB+ for user storage
- RAID with synchronous back up
- Processor: 1-2 Intel Xeon Quad Core Processor(s) or 1-2 AMD Opteron Quad/Eight Core Processor(s)
- GB Ethernet controller

### Mac OS X

- Intel-based Mac running Mac OS X 10.8.3+, 10.9+ (English)
- RAM: 8 GB or higher
- Disk space: 4 GB for installation + 1-2TB+ for user storage
- RAID with synchronous back up (Apple's Time Machine is not adequate)
- Processor: 1-2 Intel Xeon Quad Core Processor(s) or 1-2 AMD Opteron Quad/Eight Core Processor(s)
- GB Ethernet controller
- Administrator privileges for installation

**Database:** MySQL is the default database provided at no charge and supported by Lab-Ally.

Oracle, SQL Server and other databases may be accommodated, but will require additional professional services. Call for details.

A single dedicated physical machine is recommended for the CERF Server, however, virtualization and distributed systems may be accommodated. Virtual systems must be equivalent to, or exceed specifications listed above. (Additional professional services may be required and some restrictions may apply.)

**Please contact [support@lab-ally.com](mailto:support@lab-ally.com) for additional information and clarification**