



PRONTO™ Server Electronic Records and Signature System

SERVER SYSTEM AND HARDWARE REQUIREMENTS

PRONTO™ Server ERSS software has three primary components:

- 1) Web components (ASP pages and COM+ applications).
- 2) A Microsoft SQL Server 2000, 2005, or 2008 database.
- 3) A Secure Document Repository (located on an NTFS file system).

PRONTO™ Server ERSS software does not require its own dedicated hardware. You may use existing servers in your computing environment. This document provides a guide for those using dedicated hardware or allocating resources on existing hardware. You may use either physical or virtual servers.

The following three configurations are typical and are used to recommend hardware configurations. Please note that the disk space required in the repository is a function of size and number of documents you process through the PRONTO™ Server ERSS software. A typical transaction with 100KB of document data (files, file snapshots and images) would require about 100KB of file system disk space and consume about 8KB of database space. Redundant server components are always recommended (multiple power supplies, RAID drives, etc.).

Configuration #1 – Single PRONTO™ Server ERSS installation with the SQL Server database and repository on the same server.

Configuration #2 – Single PRONTO™ Server ERSS installation with the SQL Server database on a remote machine and the repository on the local server.

Configuration #3 – Dual, redundant PRONTO™ Server ERSS installation with the common SQL server database on a remote machine and the common file repository on a remote file share (server or SAN device).

Hardware Components	CONFIG #1	CONFIG #2	CONFIG #3 (per server)
Recommended Configuration:			
Processor(s)	2	2	2
Main Memory	2 GB	1 GB	1 GB
Minimum Local Disk Space *	20 GB	10 GB	10 GB
These Recommended Configurations can handle the steady state processing load indicated at right per hour per server. Additional horizontal Web application servers may be added for increased capacity.	4,000	3,000	7,000 (14,000 for two servers)

* Modify the local disk space requirements where the repository is on the local system to suit your particular transaction volumes and document sizes. For example 100,000 document transactions with 100KB of document data (files, file snapshots, and images) would need 10 GB of file disk space and 800 MB of SQL Server disk space.



System Requirements for PRONTO™ Server ERSS Software:

Server OS: Microsoft Windows Server 2003 SP2 or later service pack, x86 or x64, or, Microsoft Windows Server 2008, x86 or x64).

Database: Microsoft Database software (SQL Server 2000, 2005, or 2008). You may use an existing SQL Server installation in your computing environment on the local or on a remote machine, or you may install a new instance of SQL Server locally or remotely. SQL Server 2005 or 2008 Express can accommodate approximately 500,000 PRONTO™ Server transactions before reaching its 4 GB database size limit.

System Requirements for Web Applications that use the Services of PRONTO™ Server ERSS Software:

Any OS (Linux, Unix, Windows, AS/400, Mainframe, etc.) that can communicate via HTTP.

Communication protocols: XML over HTTP/HTTPS, Windows COM/DCOM.

Client (End-User) System Requirements:

Any device with a standard modern Web browser (Netscape 6+, Internet Explorer 6.0+, Opera 8+, Safari, Firefox).

Viewing signed Acrobat® PDF documents requires Adobe® Reader v5 or higher. Adobe® Reader is not required for the signing process. Viewing of optional internal PDF signatures generated by PRONTO™ Server requires Adobe® Reader v6 or higher. Use of optional electronic signature pads is supported on Windows (2000, XP, Vista) with Internet Explorer 6.0 or higher. Use of optional end-user digital certificates is supported for certificates and PKI software that interoperates with Microsoft CryptoAPI (requires Windows 2000, XP, 2003, Vista, 2008 with Internet Explorer 6.0 or higher).

TYPICAL REDUNDANT DEPLOYMENT – CONFIG #3

