

ARTA Deposit

System Requirements & Implementation Options

May 1, 2008

How to Use

Use this information as a guide to identify the hardware and software components needed to implement ARTA Deposit. Please review this document in its entirety. Please contact Wolters Kluwer Financial Services if you have any questions regarding specific configurations.

All requirements are for systems running ARTA Deposit only. You will need to take into consideration any additional software that will be running in your environment, as this will increase the listed requirements.

Please review the additional notes at the end of this document for further explanations and information.

These requirements are subject to change without notice.

Visit our Software Support web site at Support.WoltersKluwerFS.com for updates to the ARTA Deposit System Requirements.

Standalone Implementation

Software Requirements

Operating Systems

- Windows 2000 Professional,
- Windows XP Professional (recommended)
- Windows Vista Business Edition
- Windows Vista Enterprise Edition

Other Required Software

- Microsoft Internet Explorer 6.0 or greater**
- Microsoft SQL Server 2005 Express Edition** / ***

Hardware Requirements

- 2.66 GHz processor or greater (3.0 GHz processor or greater is recommended)*
- 512 MB RAM or greater (1 GB RAM or greater recommended)*
- Monitor / Video card capable of running 800x600 resolution
- At least 2 GB available hard disk space (5 GB or greater recommended)
- 24X speed or greater CD-ROM Drive

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Network - Small Implementation Server (up to 10 concurrent users)

The specifications listed in this section are for an application server to run ARTA Deposit only. You will need to take into consideration any additional software that will be running in your environment and size appropriately.

Due to security and workload concerns, application software, such as ARTA Deposit, should not be installed on an Active Directory Server / Domain Controller. If a server class computer is not available, ARTA Deposit can be installed on a workstation computer in a peer-to-peer configuration to act as the server for ARTA Deposit clients. However, peer-to-peer configurations are limited to 5 concurrent users.

If you are running at least our recommended system requirements, up to 20 concurrent users may access ARTA Deposit on a Network - Small Implementation server. If more concurrent users are desired, refer to the Network - Large Implementation Server option.

Consult with Wolters Kluwer Financial Services to ensure ARTA Deposit will work in your environment. Please review the additional notes at the end of this document for further explanations and information.

Software Requirements

Operating Systems

- Windows 2000 Server
- Windows XP Professional
- Windows Vista Business Edition
- Windows Vista Enterprise Edition
- Windows Server 2003 (recommended)

Other Required Software

- Internet Information Services (IIS)**
- Microsoft Internet Explorer 6.0 or greater**
- Microsoft SQL Server 2005 Express Edition** / ***

Hardware Requirements

- 2.66 GHz processor or greater (3.0 GHz processor or greater is recommended)*
- 1 GB RAM or greater (2 GB RAM or greater recommended)*
- Monitor / Video card capable of running 800x600 resolution
- At least 2 GB available hard disk space (5 GB or greater recommended)
- 24X speed or greater CD-ROM Drive

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Network - Large Implementation Server (greater than 10 concurrent users)

The specifications listed in this section are sized for a system with 10 concurrent users running only ARTA Deposit. You will need to take into consideration any additional software that will be running in your environment and size appropriately.

ARTA Deposit has the ability to support up to 100 users and may require a faster processor as well as more RAM to achieve acceptable performance.

Due to security and workload concerns, application software, such as ARTA Deposit, should not be installed on an Active Directory Server / Domain Controller.

Consult with Wolters Kluwer Financial Services to ensure ARTA Deposit will work in your environment. Please review the additional notes at the end of this document for further explanations and information.

Software Requirements

Operating Systems

- Windows 2000 Server
- Windows Server 2003 (recommended)

Other Required Software

- Internet Information Services (IIS)**
- Microsoft Internet Explorer 6.0 or greater **
- Microsoft SQL Server 2000 / Microsoft SQL Server 2005 - Standard Edition**

Hardware Requirements

- 2.66 GHz processor or greater (3.0 GHz processor or greater is recommended)*
- 1 GB RAM or greater (2 GB RAM or greater recommended)*
- Monitor / Video card capable of running 800x600 resolution
- At least 2 GB available hard disk space (5 GB or greater recommended)
- 24X speed or greater CD-ROM Drive

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Network - Wide Area Network (WAN) Implementation (Terminal Services/Server)

To run effectively in a Wide Area Network (WAN) environment, ARTA Deposit requires sufficient bandwidth for acceptable performance. At this time, Terminal Services/Server is recommended for Wide Area Network (WAN) access. This is for ease of administration and to lower the bandwidth requirements.

ARTA Deposit must be installed on a separate application server (see *Network - Large Implementation Server* for requirements) and not the server hosting Terminal Services. Only the ARTA Deposit client files are installed on the Terminal Server.

Additionally, Citrix Metaframe can be added on top of the Microsoft Terminal Services/Server to allow more options for workstation connectivity and administration. Workstations that connect to Microsoft Terminal Services/Server need to meet the requirements set by Microsoft, or Citrix if Citrix Metaframe is used in addition to Terminal Services/Server. These requirements are less than the requirements for an ARTA Deposit network client. This allows you to use legacy equipment without needing to do hardware upgrades to your workstations. Refer to your technical consultant or visit www.microsoft.com or www.citrix.com for Terminal Services/Server and workstation specifications.

Consult with Wolters Kluwer Financial Services to ensure ARTA Deposit will work in your environment. Please review the additional notes at the end of this document for further explanations and information.

Software Requirements

Operating Systems

- Windows 2000 Server with Terminal Services**
- Windows Server 2003 Terminal Server (recommended)**

Other Required Software

- Microsoft Internet Explorer 6.0 or greater**

Hardware Requirements

- 2.66 GHz processor or greater (3.0 GHz processor or greater is recommended)*
- 1 processor each for up to 15 user connections
- 1 GB RAM for the operating system and at least 50 MB RAM per user connection*
- Monitor / Video card capable of running 800x600 resolution
- At least 500 MB available hard disk space (2 GB recommended)
- 24X speed or greater CD-ROM Drive

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Network - Clients

These requirements apply to all Local Area Network (LAN) client workstations regardless of the server. For Wide Area Network (WAN) implementations, refer to the *Network - Wide Area Network (WAN) Implementation* section earlier in this guide.

All requirements are for ARTA Deposit alone, you will need to take into consideration any additional software that will be running in your environment and size appropriately.

Consult with Wolters Kluwer Financial Services to ensure ARTA Deposit will work in your environment. Please review the additional notes at the end of this document for further explanations and information.

Software Requirements

Operating Systems

Operating Systems

- Windows 2000 Professional,
- Windows XP Professional (recommended)
- Windows Vista Business Edition
- Windows Vista Enterprise Edition

Other Required Software

- Microsoft Internet Explorer 6.0 or greater**

Hardware Requirements

- 2.66 GHz processor or greater (3.0 GHz processor or greater is recommended)*
- 512 MB RAM or greater (1 GB RAM or greater recommended)*
- Monitor / Video card capable of running 800x600 resolution
- At least 2 GB available hard disk space (5 GB or greater recommended)
- 24X speed or greater CD-ROM Drive

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Printer Requirements

- PCL5 or PCL6 compatible laser printer
(Example: HP 4000 Series, 8000 Series, and Lexmark Optra Series.)
- Two programmable paper trays, one for letter size paper and one for legal size paper.
(ARTA Deposit does not require legal size paper but may print disclosure documents on legal size paper.) Due to the large variety of printers, environments and printer drivers, ARTA Deposit may have difficulty printing to a specified (non-default) paper tray. We recommend utilizing the Manual Feed paper tray if use of special paper is desired.
- Printer memory:
 - 8 MB installed for 300 dpi resolution
 - 16 MB installed for 600 dpi resolution
 - 32 MB installed for 1200 dpi resolution

NOTE:

Due to the large variety of printers available in the market today, we are unable to test our programs with every printer.

Printers that are NOT supported include, but not limited to: HP L Series, HP P Series, HP1000 Series, HP2000 Series, Okipage Series and Brother HL 1000 Series.

Multi-purpose (printer, copier, fax) printers may meet the above requirements however; we do not recommend using multi-purpose printers with our software and may not be able to assist with problems printing to these printers.

Key:

- * These requirements are for systems running ARTA Deposit only. A higher megahertz (MHz) processor and or more random access memory (RAM) have shown to improve the overall performance of ARTA Deposit. Adding additional CPUs may also improve overall performance.

Consult with your technical staff if you will be running additional applications, as this will increase the listed requirements.

- ** Acquiring and installing these programs is the responsibility of your network administrator or technical consultant. Wolters Kluwer Financial Services is not responsible for providing or implementing these programs. Also, Wolters Kluwer Financial Services cannot provide assistance with implementing these programs beyond the information contained in the ARTA Deposit Installation Instructions. Contact Microsoft Support for assistance, if needed.

- *** Microsoft SQL Server 2005 Express Edition is supplied on the ARTA Deposit installation CD.

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Additional Notes

Service Packs

The most current service pack is required for all Microsoft applications.

Backup Restore

Backups are the sole responsibility of the institution. Your backup software may require an additional module to allow backing up of database files.

Novell NetWare

ARTA Deposit cannot be installed to a Novell NetWare file server because ARTA Deposit utilizes Microsoft's IIS to create the screens and Microsoft's MSDE to manage the database. These components cannot be installed to or run from a Novell NetWare file server.

Windows Vista

To use Microsoft Windows Vista, the computer must be Windows Vista capable.

Windows Millennium Edition, Windows XP Home and Windows Vista Home

These operating systems are designed strictly for home use and are not supported.

Microsoft Small Business Server and Microsoft BackOffice Server

These operating systems are designed strictly for small business applications and are not supported.

Active Directory / Domain Controllers

Good networking practice dictates that application software, such as ARTA Deposit, should not be installed on an Active Directory server (a.k.a. Domain Controller). This is due to security and workload concerns.

Exchange Server

Good networking practice dictates that application software, such as ARTA Deposit, should not be installed on a Microsoft Exchange Server. This is due to security and workload concerns.

64-Bit Operating Systems

64-bit versions of Operating Systems such as Windows XP, Windows 2003 Server, and Windows Vista are not supported.

Upgrading Windows Operating Systems

If you have upgraded or are planning to upgrade your Windows operating system, please note the following:

Although Microsoft states they support an upgrade process from a previous version of the operating system, in order to install the Microsoft components to run ARTA Deposit properly, it is required to perform a new installation (or clean install) of the new operating system. You should not upgrade over your existing installation of Windows. This means that the computer's hard drive must be re-formatted prior to installing Windows. You should back up your data, format the hard drive, install Windows, reinstall your applications and then restore your data from backup.