

General FAQ & System Requirements

02/08/2024 5:29 pm EST

Q. Are there any issues with implementing Transparent Data Encryption on the MS-SQL databases with SedonaOffice?

A. TDE is supported for Sedona Office as it works on the underlying SQL service. TDE may add up to 15% performance hit so it is recommended to verify the disk IO resources and speed to maintain processing speeds.

Please let us know if you have any questions or need any additional information.

<https://sedonaoffice.perennialsoftware.com/resources/reference-documents/system-requirements/>

SedonaOffice

Basic Workstation

- Intel or AMD CPU (Multi Core) 2.0 GHz+ (example: Intel® Core™ i5-4430 Processor)
- Windows 8 or newer
- 4 Gigs of Ram
- Hard Drive 60Gb+ (minimum of 250megs free)
- Monitor capable of 1920 by 1080 resolution
- 10/100/1000Mbs Network connection (TCP/IP)

Basic Server (Up to 20 workstations)*

- Intel or AMD Server Class CPU (Multi Core) 2.0 GHz+ (example: Intel® Xeon® Processor E5-4603)
- Microsoft Windows 2012 R2 Server Standard x64 or newer
- SQL 2016 Standard x64 or newer
- 8+ Gigs of Ram
- Raid 1 (or better) Hard Drive for Operating System (+120GB)
- Raid 1 (or better) Hard Drive for Databases (+160GB)
- 10/100/1000Mbs Network connection (TCP/IP)

Advanced Server (21 to 50 workstations)*

- Intel or AMD Server Class CPU (Multi Core) 2.4 GHz+ (example: Intel® Xeon® Processor E5-4640)
- Microsoft Windows 2012 R2 Server Standard x64 or newer
- SQL 2016 Standard x64 or newer
- 16+ Gigs of Ram
- Raid 1 (or better) Hard Drive for Operating System (+120GB)
- Raid 5 (or better) Hard Drive for Databases (+300GB)

- 10/100/1000Mbps Network connection (TCP/IP)

Enterprise Server (51 to 100+ workstations)**

- Dual Intel or AMD Server Class CPUs (Multi Core) 3.0 GHz+ (example: Intel® Xeon® Processor E5-1680 v3)
- Microsoft Windows 2012 R2 Server Standard x64 or newer
- SQL 2016 Standard x64 or newer
- 24+ Gigs of Ram
- Raid 1 (or better) Hard Drive for Operating System (+120GB)
- Raid 5 (or better) Hard Drive for Database (+300GB)
- 10/100/1000Mbps Network connection (TCP/IP)

[SedonaDashboard and SedonaAnalytics](#)

Additional Information

[View Workstation Setup Instructions](#)

[SQL Installation](#)

[Special Information on Microsoft Small Business and Workgroup Editions!](#)

[Special Information on Solid State Drives](#)

*These recommendations should only be used as a basis when purchasing equipment. Similarly configured hardware is known to be currently running SedonaOffice under listed user loads. As long as your server meets or exceeds Microsoft's recommended minimum requirements to run SQL Server 2008 R2 and up then you will be able to run SedonaOffice. Failure to follow these recommendations could result in SQL performance that does not meet expectations. If you have questions regarding hardware configuration, please feel free to contact our support department before purchasing.

SedonaOffice uses a 'Client /Server' architecture (also called [Fat, Thick or Heavy Client](#)). Due to the network requirements of the SedonaOffice client (~20Mb per client, TCP/IP ports 1433/4992, Named Pipes, latency < 100ms to the SQL Server), direct operation of the application is NOT supported over ANY type of VPN. This includes web based services like Amazon AWS and Microsoft Azure. The workstation(s) must be on the same local network as the SQL Server.

Terminal Services / Remote Desktop Services (installed on the same network as the SQL Server) are the only supported and recommend ways to access SedonaOffice remotely.

** Configurations supporting 100 or more workstations should consider the Enterprise editions of both SQL and OS
[Top](#)

SedonaDocs

Servers:

- SedonaDocs can be run on (and it is recommended) the same SQL Server as the primary databases.
- You should have a minimum of 250GB's of free hard drive space available to allow database growth.
- SedonaDocs can be hosted on a separate server if you chose, as long as that server has SQL Server installed.
- You must have at least SQL 2008 R2 to use SedonaDocs.

Workstations:

- Any workstation with SedonaOffice installed can access SedonaDocs.
- The workstation must have compatible viewers for any format that documents are to be saved in. Examples include MS Word, Adobe Reader, Paintshop, etc.
- The C++ 2010 Runtimes and .Net 4 (available through the SedonaOffice Client tools) are required to use direct document scanning.

Scanners:

- For direct document scanning, any TWAIN or WIA based scanner with a USB interface 'should' work with SedonaDocs.
- Network bases and non-compliant scanners may not work and are not officially supported.
- Fijitsu 'SnapScan' scanners are known NOT to work with SedonaDocs.
- HP Office Jet PRO 8600 scanners are known NOT to work with SedonaDocs.
- As common scanner protocols are difficult to narrow down, we cannot absolutely guarantee any scanners compatibility.
- Known compatible devices include HP 5590, HP 6600, HP 4500, Kodak i1120, Kodak i2400 and Epson Office USB based scanners.

Terminal Servers:

Note: the following is not applicable to SedonaCloud customers.

- RDP protocols do not natively support scanners, so to use scanners across a remote desktop session you will need to look into 3rd party controls designed to map scanners. USB for Remote Desktop has been show to work (<http://www.usb-over-network.com/usb-for-remote-desktop.html>) but this is not the only available product.
- For Terminal Users to open documents, the appropriate viewer is required to be installed on the server. Example, if a client tried to open a .pdf file, then a .pdf viewer such as Adobe Reader would have to be installed on the Terminal Server and accessible by the remote users.

[Top](#)

SedonaFSU

- SedonaFSU uses a direct SSL connection between our IIS Server Cluster and your SQL Server via a static VPN connection.
- Your SQL Server requires the ability to communicate outbound to IP 173.200.233.250 port 1194 via UDP.
- The connection uses a product called OpenVPN to create the data connection between your SQL Server and our IIS hosting facility. More information on OpenVPN can be found here: <http://openvpn.net/index.php/open-source/overview.html>
- Our implementation of OpenVPN uses a TLS SSL/TLS + certificates (2056k in length) for authentication / key exchange and generated to be valid only on your server.
- The connection is started (and run as a service to maintain 24/7 connectivity) from your SQL Server, most firewalls will allow this to pass through without additional configuration on your part.
- Bandwidth requirements are small, only about 2k per SedonaFSU user while retrieving information.
- The SedonaFSU client to IIS Server connection is locked with our SSL Certificate.
- Credit card acceptance, when implemented, will use a direct IIS via SSL to ACH Direct method so sensitive information is never transmitted to your SQL Server, only tokens.
- All other information required is transmitted directly from your SQL Server to our IIS Servers then out to your FSU devices via a Silverlight application built into a web page.
- Security arrangements available upon request.
- SedonaFSU is built using Microsoft Silverlight, any browser that supports Silverlight should have the ability to run SedonaFSU. If Silverlight is not found on the netbook, notebook or tablet it will ask the user to download and install it before proceeding.

Silverlight Compatibility

To date we have tested SedonaFSU using the following OS's and Browsers:

- Internet Explorer 9, 10 and 11 (Windows)
- Firefox (Windows)
- Safari (OSX)
- As of April 14th, 2015 Google Chrome (Windows and OSX) is **NOT** supported

Devices known to be running SedonaFSU in the field include (but not limited to):

- Dell Duo
- Dell SC Tablet
- Acer Icona
- Motion Computing CL-900
- HP Slate

As long as the device runs Windows 7, 8 or 10 then SedonaFSU should be compatible.

Non compatible OS's:

- Android
- Symbian

These OS's do NOT support Silverlight at this time. If these manufactures decide to 'officially' support Silverlight in the future, it may be possible to use SedonaFSU on these devices.

iPad Compatibility

Apple iPad or iPad Mini capable of running iOS7 and connected to the Internet.

[Top](#)

SedonaSync

One-Connection License:

- Platform: MS Windows NT, 2000, 2003, XP, Vista, 7, and Windows Server 2008
- Memory: 512MB
- Processor: Pentium 290 (or greater)
- Disk Space: (For installation) 425MB
- Disk Space: (For the application) 200MB
- Disk Space: (Per event) 5kb maximum (this includes event, query, subscribers, and all message texts)

Two & Unlimited Connections:

- Platform: MS Windows NT, 2000, 2003, XP, Vista, 7, and Windows Server 2008
- Memory: 512MB to 1GB
- Processor: 1.2ghz/1 to 1.8ghz/2
- Disk Space: 30GB to 50GB

[Top](#)

SedonaWeb

- Microsoft Server 2008, 2008 R2, 2012 or 2012 R2 Web Edition or better
- Internet Information Server (IIS) 7 or better
- .Net 4
- 50MB available hard drive space
- Open TCP port 1433 between the IIS Server and primary SQL Server
- Open TCP port 443 (port 80 optional) to the public internet
- Static public IP address tied to DNS entry

- Public DNS entry for SedonaWeb (example sedonaweb.yourdomain.com)
- SSL Certificate from a public Certificate provider (example GoDaddy or Verisign) that matches your DNS entry

Special Configuration Considerations: SedonaWeb is designed to be accessible from the general internet. It is not recommend you run SedonaWeb on your SQL Server, but on a dedicated stand alone server. SedonaWeb and BoldNet can be installed on the same server as long as the server runs IIS 7. SedonaWeb will not run under a sub folder of an existing site, please plan on dedicating a site, IP address and host header binding strictly for SedonaWeb.

You MUST have your public IP address routed to the IIS Server and DNS Entries in place prior to installation.

SedonaWeb is a one to one binding to pre-configured SedonaOffice company. If you plan on publishing more then one SedonaOffice company online the you must have IP addresses, SSL Certificates and DNS Entries for each company.

Hosting for SedonaWeb on our servers is available at an additional charge, please contact sales@sedonaoffice.com for more information.