

# TLS 1.2 [Optional]

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TLS or Transport Layer Security, is a cryptographic protocol that encrypts data sent over the internet to protect privacy and data integrity. TLS is the successor to Secure Sockets Layer (SSL), which was replaced in 2015. The terms TLS and SSL are sometimes used interchangeably, and the same certificates can be used with both.

TLS protection works by encrypting data between devices and applications, such as a web browser and a website server, to prevent unauthorized access such as hackers hijacking connections or data being modified, lost, or stolen. TLS 1.2 & TLS 1.3 are the most up-to-date versions and should be used. TLS 1.0 and TLS 1.1 are no longer considered secure.

As of SedonaOffice ver 6.2.0.17 the application does work with TLS 1.2 based on Microsoft making SQLOLEDB compatible with TLS 1.2. This is noted in our release notes for SO 6.2.0.17 under the Special Upgrade/Installation Instructions section (see the note from the release notes below).

Note: Legacy products such as SedonaWeb Legacy, Legacy FSU, and SedonaSync v9 all also rely on old TLS and must be considered in your planning to upgrade your environment if these modules/integrations are in also in use.

From the 6.2.0.17 release notes <https://sedonaoffice.knowledgeowl.com/help/release-notes-sedonaoffice-62>:

## To Use TLS 1.2 – Consider the following:

- All computers running SedonaOffice client must be on Windows 10 with the October 20, 2020 build, version 17763.1554 or later;
- The Sedona SQL server must be on Windows Server 2019 or later and must be set to force encryption.
- TLS 1.2 must be the only TLS version enabled in the Registry. TLS 1.0 and TLS 1.1 must be disabled. Verify they are disabled and TLS 1.2 is enabled.

Regarding TLS 1.3, SedonaOffice does not support TLS 1.3 because Microsoft does not support this protocol on the SQLOLEDB connection that we use with SedonaOffice. In order for SedonaOffice to work with TLS 1.3 we would have to change all our DB connection strings to work with MSOLEDBSQL instead of SQLOLEDB and we would have to ensure that MSOLEDBSQL is installed on every workstation which would require massive overhauls and upgrades to many customer's infrastructure and costs.

Regards,

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