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COPERS Web Requirements

Updated: November, 2019

The new version of FoRS/COPERS is a web-based program. That does not mean it has to run on the Internet or in a hosted environment (although it could). Many agencies will simply use their existing Windows server or workstation which comes with a web server (IIS). After configuration, you will run the software by setting up a shortcut in a browser such as Chrome to an address like [\\pd-server\COPERS\RMS](http://pd-server\COPERS\RMS).

Adding a new computer will no longer require a software installation as long as it has a compatible browser (see below). Updating your copy of COPERS/FoRS will only need to occur once on the server and all workstations will immediately be up to date. Most users will run the current FoRS version simultaneously with the new version. The requirements below take this into consideration. Many agencies already meet or exceed these standards.



Server Requirements (Optional if your server is a workstation)

- **Processor:** Intel/AMD x86 or x64 processor equivalent (Virtual Machines and Azure fully supported).
- **Memory:** 2 GB minimum, 4 GB recommended.
- **Operating System:** Windows Server 2019/2016 (recommended), Windows Server 2012/2008 R2, Windows 10, 8, 7. Professional editions are preferred over home editions.
- **Web Server:** Internet Information Services (IIS) 7.0 or higher (7.5 or higher recommended). Microsoft .NET Framework 4.6 or higher.
- **Backups:** Cloud/Offsite highly recommended. Agency is responsible for maintaining backups in the case of hardware or software failures. Virus software capable of preventing ransom type attacks highly recommended.



SQL Server Requirements

- **Version:** The current FoRS cannot exceed version 2008 R2. The new version requires 2008 R2 or higher, so for simultaneous use users need to be on SQL 2008 R2 which what a majority of users have.
- **Express Version:** COPERS/FoRS will continue to run on the free, express versions of SQL Server.
- **Tools:** Agencies should install the tools which include SQL Server Management Studio and the server configuration tools. Again, most users already have this.



Client Workstation Requirements

- **Operating System:** Windows 10, 8, 7 (64 bit preferred)
- **Browser:** Google Chrome (preferred), Mozilla Firefox, Microsoft Edge, Apple Safari, Opera, Internet Explorer 11 (not supported, may function partially). We strongly recommend using the *latest versions* of the browsers.
- **Monitor Resolutions:** 1920 x 1080 or higher.

Other Components:

- Adobe Acrobat (needed for PDF reports)
- Microsoft Excel 2003+ (needed for Excel importer/reports)
- Microsoft Word 2003+ (needed for Word reports/Mail merge)

Test Site Requirements

- Remote access for monthly updates.
- Chrome for workstations.

Notes

- If the Firewall is turned on for the computer that hosts SQL Server, allow inbound traffic on TCP port 1433 (or the port SQL Server is using), and allow UDP port 1434. See here: <https://docs.microsoft.com/en-us/sql/sql-server/install/configure-the-windows-firewall-to-allow-sql-server-access?view=sql-server-ver15>
- Note if this is new SQL Server installation, during the install select authentication mode as mixed, and enable both the TCP/IP and Named Pipes protocols within the SQL Server Configuration Manager. See our SQL Server Installation guide for more detailed information.
- Microsoft does not recommended installing SQL Server on a domain controller: <https://support.microsoft.com/en-us/help/2032911/you-may-encounter-problems-when-installing-sql-server-on-a-domain-cont>