Minimum Hardware and Software Requirements Hybrid or On-Site Customers
Cuba R2 and above

Workstation PCs

Minimum specifications for Workstation PC's

Hardware	
RAM	8GB
HDD	10GB
SCREEN	Screen resolution of (Full HD) 1920 x 1080 or higher is recommended, with a colour setting of 32 bit or higher. The minimum screen size needed to use the application is XGA (1024 x 768).
Software /Configuration	
	Regional and Language settings: • short date format of dd/mm/yyyy • English – Australia or • English – New Zealand

Supported Microsoft Office Versions

The LawMaster Client is compiled to run optimally with 64-bit version of Microsoft Office. We strongly recommend you install the 64-bit version of Microsoft Office prior to upgrading LawMaster.

If you choose to use Microsoft 365 Apps, you need to ensure you have Microsoft Office installed on your local machine for LawMaster to communicate with it. You may need to install VSTOR prior to installing the LawMaster Outlook Add-in. Please install the VSTOR version that matches your operating system. You may download VSTOR from Download Visual Studio 2010 Tools for Office Runtime from Official Microsoft Download Center

Each machine needs Microsoft WebView2, .NET framework, LawMaster Client Startup, LawMaster Outlook Add-in, and Practice Management Client (one for each version in use) to be installed.

Note: These installations should be done as the Administrator. All LawMaster installations are done using 'MSI' files.

The network protocol is TCP/IP and HTTP(S) if the server is on the same network as the PCs. HTTPS is used over the Internet. It is a requirement that you use HTTPS for STP Reporting to ATO.

PCs accessing a database over the Internet

PCs that are going to connect to the database over the Internet must be able to get to the Internet directly. HTTPS is used to talk to the Application Service (the database) and is required to talk to the hosted DMS.

The recommended Internet Connection for sites is detailed in the table below:

Number of Users	Recommended Internet Connection
0-19 users	25/5 Mbps link
20-49 users	100/100 Mbps link
50+ users	Commercial grade 100/100Mbps link

The DMS service can be set up to use our hosted environment, alternatively DMS service can be set up on-site to improve performance if internet link speed is not sufficient.

Email

For integration with Outlook, Microsoft Exchange is required for email.

PDF

LawMaster supports all commonly used PDF Readers.

Scanners/Printers

We recommend a scanner that can OCR the documents and create PDF files, the scanner needs to place these files on the local file server. Any Windows supported printer can be used.

Servers

The minimum requirements outlined in this document assume that the LawMaster elements are the only ones running and that the Operating System minimum requirements are in addition to those set out in this document.

For all scenarios a dedicated SQL Server Instance is required. Instance name must be LAWMASTER2016 (for SQL 2016) or LAWMASTER2019 (for SQL 2019). LawMaster will assign and maintain the sa password for the instance.

For a site with 20 users or fewer
SQL, Application, DMS, Web and Search

Hardware	
RAM	8+GB • ElasticSearch 2+GB • SQL 2+GB • DMS Service 1GB • Application Service 1GB • O/S 2 GB
CPU	The performance of LawMaster is determined by the performance of the SQL database. As a result, for sizing of your application and database server please follow the recommendation shown in this article: Selecting and Configuring Hardware for SQL Server 2016 Standard Edition - SQLPerformance.com
HDD	Raid configuration for the physical drives, with a battery-backed, raid cache controller Drive Set 1 – Operating system, .NET Framework, SQL, Database Data File, and LawMaster Software (5GB) + Elasticsearch Software (2GB). Drive Set 2 – Database Log files and Backups directory (SQL performs Online backups of the database). DMS Disk space required (1GB/user) (LawMaster DMS directories) Elasticsearch index usually requires 1/25th the size of the DMS
Software /Configuration	
	.NET Framework V4.8 (or later) runtime version, IIS, Tika and LawMaster Web Admin need to be installed onto this machine. You will need an IIS WebServer (it is recommended that you have an HTTPS (SSL) certificate installed). Note: HTTPS is required if using STP Payroll. If access from the internet is required: • The Web Server needs to be a DNS name on the Internet if access from the Internet is required. (e.g., myserver.mycompany.com.au). • Your firewall needs to permit traffic to this machine from the Internet (Ports 443(HTTPS)). The suggested minimum Internet connection for the server is a 20/20Mbps link or larger.

For a site with 21 to 49 users
SQL, Application, DMS, Web and Search

Hardware	
RAM	12+GB • ElasticSearch 3+GB • SQL 4+GB • DMS Service 1GB • Application Service 1GB • O/S 3 GB
CPU	The performance of LawMaster is determined by the performance of the SQL database. As a result, for sizing of your application and database server please follow the recommendation shown in this article: Selecting and Configuring Hardware for SQL Server 2016 Standard Edition - SQLPerformance.com
HDD	Raid configuration for the physical drives, with a battery-backed, raid cache controller Drive Set 1 – Operating system, .NET Framework, SQL, and LawMaster Software (5GB) + Elasticsearch Software (2GB). Drive Set 2 – Database Data File, Advanced "In-Document" text searching index Drive Set 3 – Database Log files and Backups directory (SQL performs Online backups of the database). LawMaster recommends that this drive set be on a separate disk controller. DMS Disk space required (1GB/user) (LawMaster DMS directories) Elasticsearch index usually requires 1/25th the size of the DMS
Software /Configuration	
	.NET Framework V4.8 (or later) runtime version, IIS, Tika and LawMaster Web Admin need to be installed onto this machine. You will need an IIS WebServer (it is recommended that you have an HTTPS (SSL) certificate installed). Note: HTTPS is required if using STP Payroll. If access from the internet is required: • The Web Server needs to be a DNS name on the Internet if access from the Internet is required. (e.g., myserver.mycompany.com.au). • Your firewall needs to permit traffic to this machine from the Internet (Ports 443(HTTPS)). The suggested minimum Internet connection for the server is a 50/50Mbps link or larger.

For a site with 50 to 99 users

Server 1: SQL, Application, Web and Search

Hardware	
RAM	16+GB • ElasticSearch 4+GB • SQL 8+GB • Application Service 1GB • O/S 3 GB
CPU	The performance of LawMaster is determined by the performance of the SQL database. As a result, for sizing of your application and database server please follow the recommendation shown in this article: Selecting and Configuring Hardware for SQL Server 2016 Standard Edition - SQLPerformance.com
HDD	Raid configuration for the physical drives, with a battery-backed, raid cache controller Drive Set 1 – Operating system, .NET Framework, SQL, and LawMaster Software (5GB) + Elasticsearch Software (2GB). Drive Set 2 – Database Data File, Advanced "In-Document" text searching index Drive Set 3 – Database Log files and Backups directory (SQL performs Online backups of the database). LawMaster recommends that this drive set be on a separate disk controller. Elasticsearch index usually requires 1/25th the size of the DMS
Software /Configuration	
	.NET Framework V4.8 (or later) runtime version, IIS, and LawMaster Web Admin need to be installed onto this machine. You will need an IIS WebServer (it is recommended that you have an HTTPS (SSL) certificate installed). Note: HTTPS is required if using STP Payroll. If access from the internet is required: • The Web Server needs to be a DNS name on the Internet if access from the Internet is required. (e.g., myserver.mycompany.com.au). • Your firewall needs to permit traffic to this machine from the Internet (Ports 443(HTTPS)). The suggested Internet connection for the server is a 100/100Mbps link or larger.

Server 2: DMS

Hardware	
RAM	8+GB
HDD	DMS Disk space required (1GB/user) (LawMaster DMS directories)

Software /Configuration	
	.NET Framework V4.8 (or later) runtime version, IIS, Tika and LawMaster Web Admin need to be installed onto this machine. You will need an IIS WebServer (it is recommended that you have an HTTPS (SSL) certificate installed). Note: HTTPS is required if using STP Payroll. If access from the internet is required: • The Web Server needs to be a DNS name on the Internet if access from the Internet is required. (e.g., myserver.mycompany.com.au). • Your firewall needs to permit traffic to this machine from the Internet (Ports 443(HTTPS)). The suggested Internet connection for the server is a 100/100Mbps link or larger.

For a site with 100+ users
Server 1: SQL, Application, Web and Search

Hardware	
RAM	32+GB • ElasticSearch 7+GB SQL 20+GB • Application Service 1GB • O/S 4 GB
CPU	The performance of LawMaster is determined by the performance of the SQL database. As a result, for sizing of your application and database server please follow the recommendation shown in this article: Selecting and Configuring Hardware for SQL Server 2016 Standard Edition - SQLPerformance.com
HDD	Raid configuration for the physical drives, with a battery-backed, raid cache controller Drive Set 1 – Operating system, .NET Framework, SQL and LawMaster Software (5GB) + Elasticsearch Software (2GB). Drive Set 2 – Database Data File, Advanced "In-Document" text searching index Elasticsearch index usually requires 1/25th the size of the DMS

	Drive Set 3 – Database Log files and Backups directory (SQL performs Online backups of the database). LawMaster recommends that this drive set be on a separate disk controller.
Software /Configuration	
	.NET Framework V4.8 (or later) runtime version, IIS, and LawMaster Web Admin need to be installed onto this machine. You will need an IIS WebServer (it is recommended that you have an HTTPS (SSL) certificate installed).
	Note: HTTPS is required if using STP Payroll.
	If access from the internet is required:
	• The Web Server needs to be a DNS name on the Internet if access from the Internet is required. (e.g., myserver.mycompany.com.au).
	• Your firewall needs to permit traffic to this machine from the Internet (Ports 443(HTTPS)).
	The suggested Internet connection for the server is a 100+/100+Mbps link or larger.

Server 2: DMS

Hardware	
RAM	8+GB
HDD	DMS Disk space required (1GB/user) (LawMaster DMS directories)
Software /Configuration	
	.NET Framework V4.8 (or later) runtime version, IIS, Tika, and LawMaster Web Admin need to be installed onto this machine. You will need an IIS WebServer (it is recommended that you have an HTTPS (SSL) certificate installed).
	Note: HTTPS is required if using STP Payroll.
	If access from the internet is required:
	• The Web Server needs to be a DNS name on the Internet if access from the Internet is required. (e.g., myserver.mycompany.com.au).
	• Your firewall needs to permit traffic to this machine from the Internet (Ports 443(HTTPS)).
	The suggested Internet connection for the server is a 100+/100+Mbps link or larger.

Operating system requirements & supported platforms

Introducing New Microsoft Products

LawMaster aims to commence support for the latest versions of Microsoft tools and systems used with our product 12 months after Microsoft commences "Mainstream Support". We note that if the latest version of Windows 10 or Windows 11 on the General Availability Channel or Microsoft 365 Apps on the Semi-Annual Enterprise Channel is available within two months of the subsequent LawMaster release we will have the opportunity to test against this version.[1] The time lag after the new product support commences depends on the scale of impact of the changes in Microsoft's product on LawMaster. We are continuously reviewing the support periods for the Microsoft product range that fall under the Modern Lifecycle Policy therefore these periods may be subject to change with each new release. We suggest you maintain products under these policies at the version we have tested against as we cannot guarantee compatibility with future versions.

Phasing out Older Microsoft Versions

Conversely, when a Microsoft product or service moves out of "Mainstream Support", as defined by Microsoft's product life cycle, we will no longer support these versions for future releases.

Earlier versions of LawMaster running on older Microsoft products are supported whilst the LawMaster version remains supported, but because of Microsoft's "Extended Support Phase" only providing paid support, additional costs might be incurred if Microsoft support becomes necessary.

The following table provides a summary of our support by Microsoft product. Where a LawMaster Version Name is noted, support ends on release of that Version. Where the end date for mainstream support is beyond our current version plans, an estimate of the likely date of release is included.

IMPORTANT NOTE:
❖ **LawMaster versions from 10.14 onward must install .NET 4.8 or later on the server and .NET 4.8 (runtime) or later on the client systems.**

---

[1] Currently, if a Microsoft Version is released, for example, in February and the Next LawMaster Version will be released in July, testing will not be completed against the February version until at the earliest May when regression testing commences

Microsoft Product Support – Cuba R2 Release

Microsoft Product	Microsoft Mainstream Support End	LawMaster Support Ends (by Version Name or Date)
Windows Server		
• LTSC (not SAC) • Non IOT Editions		
2016 Server	11/01/2022	Cuba R2
2019 Server	09/01/2024	April 2024
Microsoft SQL Server		
• Standard or Enterprise Edition • GDR Updates		
2016 SP3	14/7/2026	November 2026
2017	11/10/2022	November 2022
2019	14/01/2025	April 2025
Windows Desktop		
• Pro or above • 64-bit • General Availability Channel or Semi-Annual Channel		
Windows 10 • Version 21H2	13/06/2023	July 2023
Windows 10 • Version 22H2	14/05/2024	June 2024
Windows 11 • Version 21H2	10/10/2023	November 2023
Windows 11 • Version 22H2	14/05/2024	June 2024
Office Installations		
• 64-bit * • Installed on PC • Semi-Annual Enterprise Channel for MS 365 Apps		
Office 2019	10/10/2023	November 2023
Office 2021	13/10/2026	November 2026
Microsoft 365 Apps • Version 2108	14/03/2023	April 2023
Microsoft 365 Apps • Version 2202	12/09/2023	October 2023

* We recommend 64-bit Office is installed prior to upgrading to the next version of LawMaster.

Document Revisions

The following table lists all the updates made in the document from its previous version.

Version	Date	Description
V1.0	20/11/2020	Update from Canada R2
V1.1	15/12/2020	Portugal Updates
V2.0	13/07/2021	Portugal R2 Updates including: • RAM Specifications for all Servers • Suggested Internet connection
V2.1	20/09/2021	VSTOR and Support for Office 64 bit
V3.0	31/03/2022	Hybrid / On-site Version Cuba supported MS Products Updates Suggested Internet connection Server Specifications
V4.0	31/01/2023	64-bit Office recommendation Cuba R2 supported MS Products