

## Technical Requirements 2020 (5.9.x – 6.0):

### 1. DBMS Platforms

DBMS	Current supported version	Supplier	OS	Supported Character Set / Sort order
Microsoft SQL server	2012(*)(**)	Microsoft Corp.	Win Server 2012, 2012R2, 2016	SQL_Latin1_General_CP1_CI_AS
Microsoft SQL server	2014(*)	Microsoft Corp.	Win Server 2012, 2012R2, 2016	SQL_Latin1_General_CP1_CI_AS
Microsoft SQL server	2016 (*)	Microsoft Corp.	Win Server 2012, 2012R2, 2016	SQL_Latin1_General_CP1_CI_AS
Microsoft SQL server	2017 (*)	Microsoft Corp.	Win Server 2012, 2012R2, 2016	SQL_Latin1_General_CP1_CI_AS
Microsoft SQL server	2019 (*)	Microsoft Corp.	Win Server 2012, 2012R2, 2016	SQL_Latin1_General_CP1_CI_AS

\* Including express versions

\*\* End of support - January 01 -2020

### 2. Client Platforms

Platform Name	Current supported version	Supplier	Communication protocols
Windows 10 (*)	10	Microsoft Corp.	TCP/IP
CITRIX XenDesktop	7 above	Citrix systems Inc.	TCP/IP
CITRIX XenApp	6 above		
Microsoft Server 2012(**)(***)	All builds	Microsoft Corp.	TCP/IP
Microsoft Server 2012R2(**)(***)	All builds	Microsoft Corp.	TCP/IP
Microsoft Server 2016(**)	All builds	Microsoft Corp.	TCP/IP
Microsoft Server 2019	All builds	Microsoft Corp.	TCP/IP

\* Versions not supported - Home / starter editions or similar not intended for business and professional use

\*\* including Terminal Services

\*\*\* End of support - January 01 -2020

### 3. Database connectivity

DBMS	Native Client	ODBC Client	ODBC version	Recommended	Patricia Webservices
MS SQL 2012*	SQLNCLI11	N/A	N/A	SQLNCLI11	JTDS 1.2.5 JDBC driver
MS SQL 2014*	SQLNCLI11	N/A	N/A	SQLNCLI11	JTDS 1.2.5 JDBC driver
MS SQL 2016*	SQLNCLI11	N/A	N/A	SQLNCLI11	JTDS 1.2.5 JDBC driver
MS SQL 2017*	SQLNCLI11	N/A	N/A	SQLNCLI11	JTDS 1.2.5 JDBC driver

\* 5.9 supports most recent native client

#### 4. DBMS recommendations

Cases	Client connections	Average case search time (s) *	DBMS OS	Disc space (Data and log)
-10 000	<5 users	5 - 7	MS SQL Express/Standard Win 2012-2019	100 Mb
10 000+	<10 users	5 - 10	MS SQL Express/Standard Win 2012-2019	200 Mb
20 000+	<25 Users	5 - 10	MS SQL Express/Standard Win 2012-2019	600 Mb
40 000+	<50 users	5 - 7	MS SQL Standard Win 2012-2019	1400 Mb
60 000+	<150 Users	3 - 6	MS SQL Standard Win 2012-2019	2000 Mb +
90 000+	>150 Users	3 - 8	MS SQL Standard Win 2012-2019	3500 Mb +

\* Results might vary depending on hardware configuration and traffic on the network.

#### 5. Band Width for WAN connections

No Users	<= 5	<= 10	<= 20	<= 40
Band Width	>= 128 Kbit / s	>= 512 Kbit / s	>= 1 Mbit / s	>= 2 Mbit / s
Max Latency	600 $\mu$ s			

\* The above indicate the minimum requirements for this approach to work, not recommendations. For better results we recommend utilizing a Terminal Server / Citrix environment instead.

## 6. Patricia WebServices Specific

Server OS	Windows Server 2012****, 2012R2, 2016, 2019 GNU/Linux i586 (Any operating system that supports mentioned server software and optionally a listed DBMS)
Server Software	OpenJDK8*** JBoss EAP 7.1*** - <a href="http://jboss.com/">http://jboss.com/</a> Libreoffice 6.3 (Shipped along with Server files) Elasticsearch 5.6.4 (Shipped along with Server files)

\* End of Support January 1 – 2019

\*\* For version below 5.9

\*\*\* For version 5.9 only

\*\*\*\* Windows Server 2012 will not support IE11

### 6.1 Patricia Browser/PCP Specific

Client OS	Any OS capable of running mentioned client software.
Client Software	Firefox (latest stable version) – <a href="https://www.mozilla.org">https://www.mozilla.org</a> Safari 11.0 - <a href="https://www.apple.com/safari/">https://www.apple.com/safari/</a> Google Chrome (latest stable version) - <a href="https://www.google.com/chrome/">https://www.google.com/chrome/</a> Word Processor: Microsoft Office 2010*, 2013, 2016

## 7. Patricia App \*\*\*

Tablet / Mobile OS	iOS 5.1.1 or newer Android 4.0 or newer
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\*\*\* For version 5.9 only

## 8. Hardware Recommendations\*

<b>Server (database server)</b>	<ul style="list-style-type: none"> <li>▪ Currently available standard processor with a <b>minimum</b> of 8 GB of RAM / recommended 16 GB of RAM (more may be required depending on your environment and expected simultaneous users).</li> <li>▪ Hardware raid system</li> <li>▪ Minimum 4Gb hard disk space available</li> <li>▪ Any of the supported Server platforms</li> <li>▪ Color graphics monitor with a video card supported by Microsoft Windows (800x600)</li> <li>▪ Backup station</li> <li>▪ Network adapter</li> </ul>
<b>Browser, PCP, Webservices Applications server</b>	<ul style="list-style-type: none"> <li>▪ RAM . minimum of 16 GB of RAM / recommended 32 GB of RAM</li> <li>▪ Quad core 2GHz+ CPU</li> <li>▪ Minimum 80GB hard disk space available</li> </ul>
<b>Client</b>	<ul style="list-style-type: none"> <li>▪ Currently available standard processor with a <b>minimum</b> of 8 GB of RAM / recommended 16 GB of RAM (More RAM for advanced users / operations)</li> <li>▪ 120 Mb hard disk space available (additional 20 Mb for administration software)</li> <li>▪ Any of the supported client platforms (additional memory will enhance experience Color graphics card with a minimum resolution of 1024 x 768 pixels</li> <li>▪ Network adapter</li> <li>▪ (optional) Office 2013, 2016 (including office 365 licensing)</li> </ul>

\* This recommendation is based on 40.000 records with 20 users with current hardware available on the market.

