

## SYSTEM REQUIREMENTS **Version 5.10**

The following requirements are for Perspective operating in a traditional LAN/WAN environment with the Web server component running on a separate Microsoft IIS box. These specs are for planning purposes only and apply to Perspective™ V.5.10, Dispatch, and Connect. Please contact your Resolver representative for a specific assessment of your needs.

NOTE: Meeting the **Minimum** system requirements means you can run the application successfully, but it may not provide the best performance. Meeting the **Recommended** requirements will offer a significantly better experience.

	MINIMUM	RECOMMENDED
<b>CLIENT MACHINE</b>		
Processor Speed	2 GHz dual-core	2.5 GHz dual-core
Memory	2 GB	4 GB
Operating System	Windows 8.1, Windows 10	
.NET Framework	Version 4.8	
Web Browser – Launch Perspective	Edge	
Web Browser – Web Portal	Edge, Google Chrome, Safari iOS 9+, Android Browser 4.2+	
Web Browser – Connect	Google Chrome	
Third Party Application	Adobe Reader 9.4.0+, Sun Java Runtime Environment 7 U71, 8 U25 <sup>1</sup>	
Mobile iOS App	iOS 10, iOS 11	
Officer Mobile	iOS 10 or newer, Android 8.0 or newer	
Resolution	1280x720, 1792 x 1344, 1920x1080, 1920x1440, 2560x1600, or 2736x1824. DPI 100%, 125%, 200%, or 225%.	
<b>WEB SERVER MACHINE<sup>2</sup> (ON PREMISE ONLY)</b>		
Available Disk Space <sup>3</sup>	1 GB	2 GB
Processor Speed	2 GHz dual-core	2.5 GHz quad-core
Memory	8 GB	16 GB
Operating System	Windows Server 2012, Windows Server 2012 R2 <sup>4</sup> , Windows Server 2016, Windows Server 2019, IIS with WebSockets enabled <sup>5</sup> and Secure-Channel configured (HTTPS/SSL)	
.NET Framework	Version 4.8 with HTTP and non-HTTP activation, .NET Core 1.0.4 or 1.1.1 (Windows Hosting) <sup>4</sup>	

<b>C++ Runtime Libraries</b>	C++ 2010 SP1 Runtime Libraries (x64) 10.40219	
<b>Message Queue – Connect<sup>4</sup>/Dispatch<sup>5</sup> service clustering</b>	RabbitMQ Server 3.7.7+	
<b>Inbound Ports<sup>6</sup></b>	443	
<b>Outbound Ports<sup>6</sup></b>	443, 2195, 2196, 5223, 5228, 5672	
<b>DATABASE SERVER MACHINE<sup>2</sup> (ON PREMISE ONLY)</b>		
<b>Available Disk Space</b>	2 GB	20+ GB
<b>Processor Speed</b>	2 GHz dual-core	64-bit server dual-core or multi-processors
<b>Memory</b>	2 GB	4+ GB
<b>Database Server<sup>7</sup></b>	SQL Server 2014 SP2, SQL Server 2016 SP1, SQL Server 2017, or SQL Server 2019. All versions of SQL Server must have the Full-Text Search feature installed.	
<b>Reporting Services</b>	SQL Server 2014 Reporting Services, SQL Server 2016 Reporting Services, SQL Server 2017 Reporting Services	

1. This requirement only applies if you're using Visual Analysis.
2. These requirements apply to systems with up to 25 users. For systems with 25+ users, contact your Resolver account manager for more information.
3. Depending on the size of the Perspective database, more disk space may be needed for Workflow.
4. This requirement only applies if you're using Connect.
5. This requirement only applies if you're using Dispatch.
6. For more information on these requirements, see the [Inbound & Outbound Ports](#) article.
7. Only SQL Server Enterprise Edition is supported for indexing on audit tables.

**Notes:**

- Internet connectivity on the client machine is required for full functionality.
- The Perspective client is deployed as a ClickOnce application, launched from Edge. It has a zero-client footprint and doesn't require administrative rights to launch.
- If single sign-on authentication or add from Active Directory is used, Active Directory Services must be enabled on the Perspective Web Server.
- Net.TCP binding on port 808 is required only if using DispatchLog.
- For the best Dispatch experience, it's recommended that dispatchers run the application on two monitors with a resolution of 1920x1080.
- Time synchronization is required for Dispatch visual alerts. NTP is strongly recommended for Hosted customers.
- For the best performance, do not run the Indexer on the same server where the database is hosted.