

# System Requirements

## Version 5.9

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.5.9, 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>		
<b>Processor Speed</b>	2 GHz dual-core	2.5 GHz dual-core
<b>Memory</b>	2 GB	4 GB
<b>Operating System</b>	Windows® 8.1, Windows 10	
<b>.NET Framework</b>	Version 4.8	
<b>Web Browser – Launch Perspective</b>	Microsoft Edge	
<b>Web Browser – Web Portal</b>	Microsoft Edge, Google Chrome™, Safari iOS 9+, Android™ Browser 4.2+	
<b>Web Browser – Connect</b>	Google Chrome	
<b>Third-Party Application</b>	Adobe® Reader® 9.4.0+, Sun Java™ Runtime Environment 7 U71, 8 U25 <sup>1</sup>	
<b>Mobile iOS App</b>	iOS 10, iOS 11	
<b>Officer Mobile</b>	iOS 10 or newer, Android 8.0 or newer	
<b>Resolution</b>	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>		
<b>Available Disk Space<sup>3</sup></b>	1 GB	2 GB
<b>Processor Speed</b>	2 GHz dual-core	2.5 GHz quad-core
<b>Memory</b>	8 GB	16 GB
<b>Operating System</b>	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)	
<b>.NET Framework</b>	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 2012 SP3, 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 2012 Reporting Services, SQL Server 2014 Reporting Services, SQL Server 2016 Reporting Services, SQL Server 2017 Reporting Services	

**Notes:**

*Internet connectivity on the client machine is required for full functionality.*

*The Perspective client is deployed as a ClickOnce application, launched from IE. It has a zero-client footprint and doesn't require administrative rights to launch.*

*Active Directory Services must be enabled on the Perspective Web Server when using single sign-on authentication or add from Active Directory.*

*Net.TCP binding on port 808 is required 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. Resolver® strongly recommends using a Network Policy Server (NPS) for Hosted customers.*

*For best performance, do not run the Indexer on the same server the database is hosted.*

## Reference Footnotes

<sup>1</sup> This requirement only applies if you're using Visual Analysis.

<sup>2</sup> These requirements apply to systems with up to 25 users. For systems with 25+ users, contact your Resolver account manager for more information.

<sup>3</sup> Larger Perspective databases may require more disk space for Workflow.

<sup>4</sup> This requirement only applies if you're using Connect™.

<sup>5</sup> This requirement only applies if you're using Dispatch™.

<sup>6</sup> See the [Inbound & Outbound Ports](#) article for more information on these requirements.

<sup>7</sup> Only SQL Server Enterprise Edition is supported for indexing on audit tables.

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