

# System Requirements

The requirements below are for operating Perspective V.5.11, Dispatch, and Connect using a traditional LAN/WAN environment, with the web server running on a separate Microsoft IIS box.

**Note:** Minimum system requirements mean you can run the application successfully but may not offer the best performance. Recommended requirements will offer a better experience.

	Minimum System Requirements	Recommend System Requirements
<b>Client Machine</b>		
<b>Processor Speed</b>	<ul style="list-style-type: none"> <li>• 2 GHz Dual Core</li> </ul>	<ul style="list-style-type: none"> <li>• 2.5 GHz Dual Core</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 2 GB</li> </ul>	<ul style="list-style-type: none"> <li>• 4 GB</li> </ul>
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Windows 8.1</li> <li>• Windows 10</li> </ul>	
<b>.NET Framework</b>	<ul style="list-style-type: none"> <li>• Version 4.8</li> </ul>	
<b>Web Browser – Perspective</b>	<ul style="list-style-type: none"> <li>• Edge</li> </ul>	
<b>Web Browser – Web Portal</b>	<ul style="list-style-type: none"> <li>• Edge</li> <li>• Google Chrome™</li> <li>• Safari® iOS 9+</li> <li>• Android™ Browser 4.2+</li> </ul>	
<b>Web Browser - Connect</b>	<ul style="list-style-type: none"> <li>• Google Chrome</li> </ul>	
<b>Third-Party App</b>	<ul style="list-style-type: none"> <li>• Adobe™ Reader 9.4.0+</li> <li>• Sun Java™ Runtime Environment 7 U71 or 8 U25 (Only applies if you are using Visual Analysis)</li> </ul>	
<b>Mobile iOS App</b>	<ul style="list-style-type: none"> <li>• iOS 10</li> <li>• iOS 11</li> </ul>	
<b>Officer Mobile</b>	<ul style="list-style-type: none"> <li>• iOS 10</li> <li>• Android 8.0+</li> </ul>	
<b>Resolution</b>	1280x720, 1792 x 1344, 1920x1080, 1920x1440, 2560x1600, 2736x1824. DPI 100%, 125%, 200%, or 225%	
<b>Web Server Machine</b> (On-Site)		

<b>Disk Space</b> A larger Perspective database may need more disk space for Workflow	<ul style="list-style-type: none"> <li>• 1 GB</li> </ul>	<ul style="list-style-type: none"> <li>• 2 GB</li> </ul>
<b>Processor Speed</b>	<ul style="list-style-type: none"> <li>• 2 GHz Dual Core</li> </ul>	<ul style="list-style-type: none"> <li>• 2.5 GHz Quad Core</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 8 GB</li> </ul>	<ul style="list-style-type: none"> <li>• 16 GB</li> </ul>
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Windows Server 2016</li> <li>• Windows Server 2019</li> <li>• Windows Server 2022</li> <li>• IIS with WebSockets enabled (Only applies if you are using Dispatch)</li> <li>• Secure-Channel configured (HTTPS/SSL)</li> </ul>	
<b>.NET Framework</b>	<ul style="list-style-type: none"> <li>• Version 4.8 with HTTP and non-HTTP activation</li> <li>• .NET Core 1.0.4 or 1.1.1 - Windows Hosting (Only applies if you're using Connect)</li> </ul>	
<b>C++ Runtime Libraries</b>	<ul style="list-style-type: none"> <li>• C++ 2010 SP1 Runtime Libraries (x64) 10.40219</li> </ul>	
<b>Message Queue – Connect/Dispatch Service Clustering</b>	<ul style="list-style-type: none"> <li>• RabbitMQ™ Server 3.7.7+</li> </ul>	
<b>Inbound Ports</b> For more information on these requirements, see the <a href="#">Inbound &amp; Outbound Ports</a> article	<ul style="list-style-type: none"> <li>• 443</li> </ul>	
<b>Outbound Ports</b> For more information on these requirements, see the <a href="#">Inbound &amp; Outbound Ports</a> article	<ul style="list-style-type: none"> <li>• 443</li> <li>• 2195</li> <li>• 2196</li> <li>• 5223</li> <li>• 5228</li> <li>• 5672</li> </ul>	
<b>Database Server Machine (On-Site)</b>		
These requirements apply to systems with up to 25 users. Contact your Resolver Account Manager systems with 25+ users		
<b>Disk Space</b>	<ul style="list-style-type: none"> <li>• 2 GB</li> </ul>	<ul style="list-style-type: none"> <li>• 20+ GB</li> </ul>
<b>Processor Speed</b>	<ul style="list-style-type: none"> <li>• 2 GHz Dual Core</li> </ul>	<ul style="list-style-type: none"> <li>• 64 – Bit Server Dual Core or Multi-Processors</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 2 GB</li> </ul>	<ul style="list-style-type: none"> <li>• 4+ GB</li> </ul>

<b>Database Server</b> Only SQL Server Enterprise Edition is supported for indexing on audit tables	<ul style="list-style-type: none"> <li>• SQL Server 2014 SP2</li> <li>• SQL Server 2016 SP1</li> <li>• SQL Server 2017</li> <li>• SQL Server 2019</li> <li>• SQL Server 2022</li> <li>• All versions of SQL Server must have the Full-Text Search feature installed</li> </ul>
<b>Reporting Service</b>	<ul style="list-style-type: none"> <li>• SQL Server 2014 Reporting Services</li> <li>• SQL Server 2016 Reporting Services</li> <li>• SQL Server 2017 Reporting Services</li> <li>• SQL Server 2019 Reporting Services</li> <li>• SQL Server 2022 Reporting Services</li> </ul>

## Important Information

- 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 establish.
- Active Directory Services must be enabled on the Perspective Web Server if single sign-on authentication or add from Active Directory is used.
- Net.TCP binding on port 808 is required if you are 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 hosted by the database.