# System Requirements Version 4.6.1
## for On-Premise (Subscription and Perpetual)

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 configurations are for planning purposes only—please work with your PPM account manager for a specific assessment of your needs. These requirements apply to all editions of Perspective™ V4.6.

| | Minimum | Recommended |
|---|---|---|
| **Client Machine** | | |
| **Processor Speed** | 1.5 GHz | 3 GHz+ |
| **Memory** | 1 GB | 2 GB+ |
| **Operating System** | Windows® Vista® SP 3, Windows® 7 SP 1, Windows® 8, Windows® 8.1 | |
| **.Net Framework** | Version 4.5 | |
| **Web Browser – Launch Perspective** | Internet Explorer® 8.0, Internet Explorer® 9.0, Internet Explorer® 10.0, Internet Explorer® 11.0 | |
| **Web Browser – Web Portal** | Internet Explorer® 10.0+, Chrome™ v29+, Safari® iOS6, Android™ Browser 4.2+ | |
| **Third Party Application** | Adobe® Reader® 9.4.0+ <br> Sun Java™ Runtime Environment 7 U71, 8 U25[1] <br> QlikView™ Analyzer Plug-in for Internet Explorer®[2] | |
| **Mobile iOS App** | iOS 6, iOS 7, iOS 8 | |
| **Web Services Server[3]** | | |
| **Available Disk Space[4]** | 1 GB | 1 GB |
| **Processor Speed** | 2 GHz | 2 GHz multicore or better |
| **Memory** | 4 GB | 8 GB+ |
| **Operating System** | Windows Server® 2012, Windows Server® 2012 R2 <br> Microsoft® Distributed Transaction Coordinator (MSDTC) <br> IIS with net.tcp binding on port 808[5] | |
| **.Net Framework** | Version 4.5 with http and non-http activation | |
| **C++ Runtime Libraries** | C++ 2010 SP1 Runtime Libraries (x64) 10.40219 | |
| **QlikView™ Server[6]** | 64 bit Version 11.20 SR1 | |
| **SQL Server® Machine[3]** | | |
| **Available Disk Space** | 2 GB | 20 GB+, SCSI Hard Drive |
| **Processor Speed** | 3 GHz | 64 bit Server Dual Core or Multiple Processors |
| **Memory** | 2 GB | 4 GB+ |
| **Database Server** | SQL Server® 2008 SP 3, SQL Server® 2008 R2 SP2, SQL Server® 2012 SP1, SQL 2014 | |
| **Reporting Services** | SQL Server® 2008 Reporting Services, SQL Server® 2012 Reporting Services | |

**Deployment Note:** Perspective client is deployed as a ClickOnce application, launched from Internet Explorer®; it has a zero client footprint and does not require administrative rights to launch. Refer to last page for more details on ClickOnce.

**Network Note:** If single sign-on authentication or add from Active Directory® is used, the Active Directory® Services must be enabled on the Perspective Web Server.

**DTC Note:** Perspective Integration Services requires the Microsoft® Distributed Transaction Coordinator (DTC) service to be installed and enabled on the Internet Information Services (IIS) for Windows® Web Server and the Microsoft® SQL Server® for Perspective.

1 This requirement only applies if using the Visual Analysis component.
2 This requirement only applies to Perspective Focal Point.
3 These requirements are for systems with 5 to 25 users. For Perspective systems with more than 25 users, please contact your PPM account manager for a specific assessment of your needs.
4 Depending on the size of your Perspective database, more disk space may be required for Perspective Focal Point and the Workflow component.
5 The net.tcp binding only required if using Dispatching (included with Perspective SOC and Perspective EIM).
6 This requirement only applies to Perspective Focal Point. A limited QlikView™ Server license is included with Focal Point.