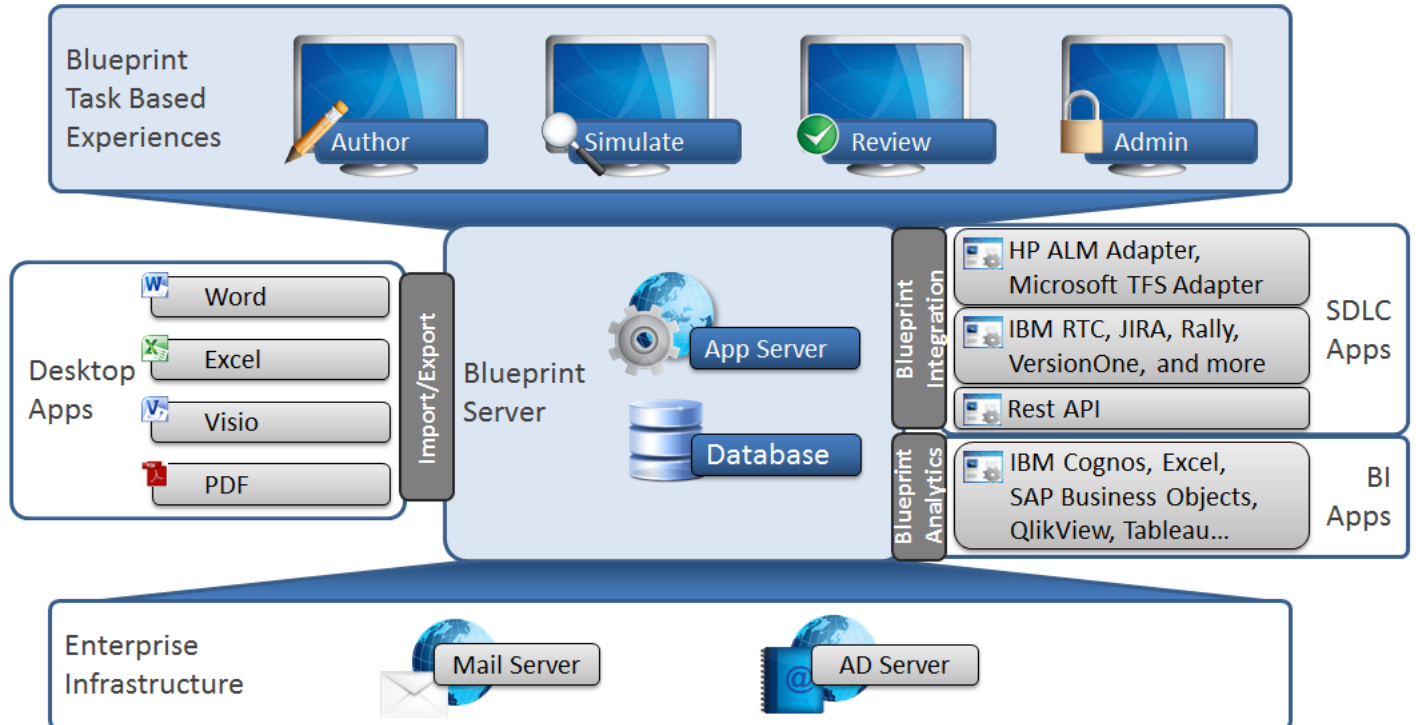


System Configuration

Architecture: Blueprint has a highly-scalable layered architecture leveraging modern Microsoft technologies.



Distributed Server Install: To better scale with the needs of the organization, web and data tiers can be split onto separate dedicated-servers. This is recommended for enterprise-level deployments.

	Client	Separate Application Server	Separate Database Server
Hardware	<ul style="list-style-type: none"> 32-bit operating system: <ul style="list-style-type: none"> 2GB RAM (4GB recommended) 1.6 GHz or faster CPU Multi-core recommended 64-bit operating system: <ul style="list-style-type: none"> 4GB RAM (6GB recommended) 1.6 GHz or faster CPU Multi-core recommended 	<ul style="list-style-type: none"> 2.5 GHz or faster 8 64 bit CPU cores 16 GB RAM 1Gbps connection recommended 	<ul style="list-style-type: none"> 2.5 GHz or faster 8 64 bit CPU cores 16 GB RAM Shared 1 TB SAN
Software	<ul style="list-style-type: none"> Windows 7, Windows 8, Mac OS X (10.9 or later) Silverlight 5 IE 8, IE 9, IE 10, IE 11, Firefox 19 (or later), Chrome 25 (or later, version 42 and later - NPAPI must be re-enabled), Safari 7 (or later) Minimum resolution of 1280x1024 (1600x900 or higher recommended) NET Framework 4.5* Microsoft Office 2010, 2013** 	<ul style="list-style-type: none"> Windows Server 2012 (IIS 8) or Windows Server 2012 R2 (IIS 8.5) .NET Framework 4.5 	<ul style="list-style-type: none"> Windows Server 2012 (IIS 8) or Windows Server 2012 R2 (IIS 8.5). SQL Server 2012 or SQL Server 2014

*only required for authoring document templates

** required for Blueprint Analytics and authoring document templates

Single Server Install: This server configuration contains all Blueprint server components on a single server. Both web tier (IIS) and data tier (SQL), while installed separately, run on a single server.

Client		Application and Database Server
Hardware	<ul style="list-style-type: none"> • 32-bit operating system: <ul style="list-style-type: none"> • 2GB RAM (4GB recommended) • 1.6 GHz or faster CPU • Multi-core recommended • 64-bit operating system: <ul style="list-style-type: none"> • 4GB RAM (6GB recommended) • 1.6 GHz or faster CPU • Multi-core recommended 	<ul style="list-style-type: none"> • 16 GB RAM minimum (24GB recommended) • 2.5 GHz or faster • 8 64 bit CPU cores • Shared 1 TB SAN
Software	<ul style="list-style-type: none"> • Windows 7, Windows 8, Mac OS X (10.9 or later) • Silverlight 5 • IE 8, IE 9, IE 10, IE 11, Firefox 19 (or later), Chrome 25 (or later), Safari 7 (or later) • Minimum resolution of 1280x1024 (1600x900 or higher recommended) • .NET Framework 4.5* • Microsoft Office 2010, 2013** 	<ul style="list-style-type: none"> • Windows Server 2012 (IIS 8) or Windows Server 2012 R2 (IIS 8.5). • SQL Server 2012 or SQL Server 2014. • .NET Framework 4.5

*only required for authoring document templates

** required for Blueprint Analytics and authoring document templates

Data Tier Configuration

- SQL FILESTREAM (Transact-SQL and Remote File I/O instance access required) used as attachment store
- Only Windows Authentication mode supported between app server and data tier
- Account used for access must have the following privileges:
 - SELECT, INSERT, UPDATE, DELETE permissions on any object in the Blueprint database
 - EXECUTE permissions on any stored procedure in the Blueprint database
 - VIEW SERVER STATE server permission required to collect Phone Home system information
- Database administrator permissions required only during installation and setup of the Blueprint server.

Network Configurations

- Blueprint operates successfully over standard LAN and WAN connections.
- Recommended maximum latency: 200 ms
- Web tier: port 80 or 443 (based on IIS and SSL configuration)
- If running a separate data tier, the following TCP ports need to be open to the Database server
 - 139 & 445: For Window Authentication and File Streams²
 - 1433 (or configured SQL port)

2 - Refer to <http://msdn.microsoft.com/en-us/library/dd283098.aspx>

About Blueprint

Founded in 2004, Blueprint develops requirements definition and management (RDM) software. With its best-in-class RDM solution, Blueprint helps companies get complex software and IT project requirements right from the start. Blueprint solves many of the time-consuming, costly, and error-prone elements of defining requirements, ensuring that mission critical projects are completed on time and budget. Headquartered in Toronto, Ontario, Blueprint has global sales, operations and partner presence.

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