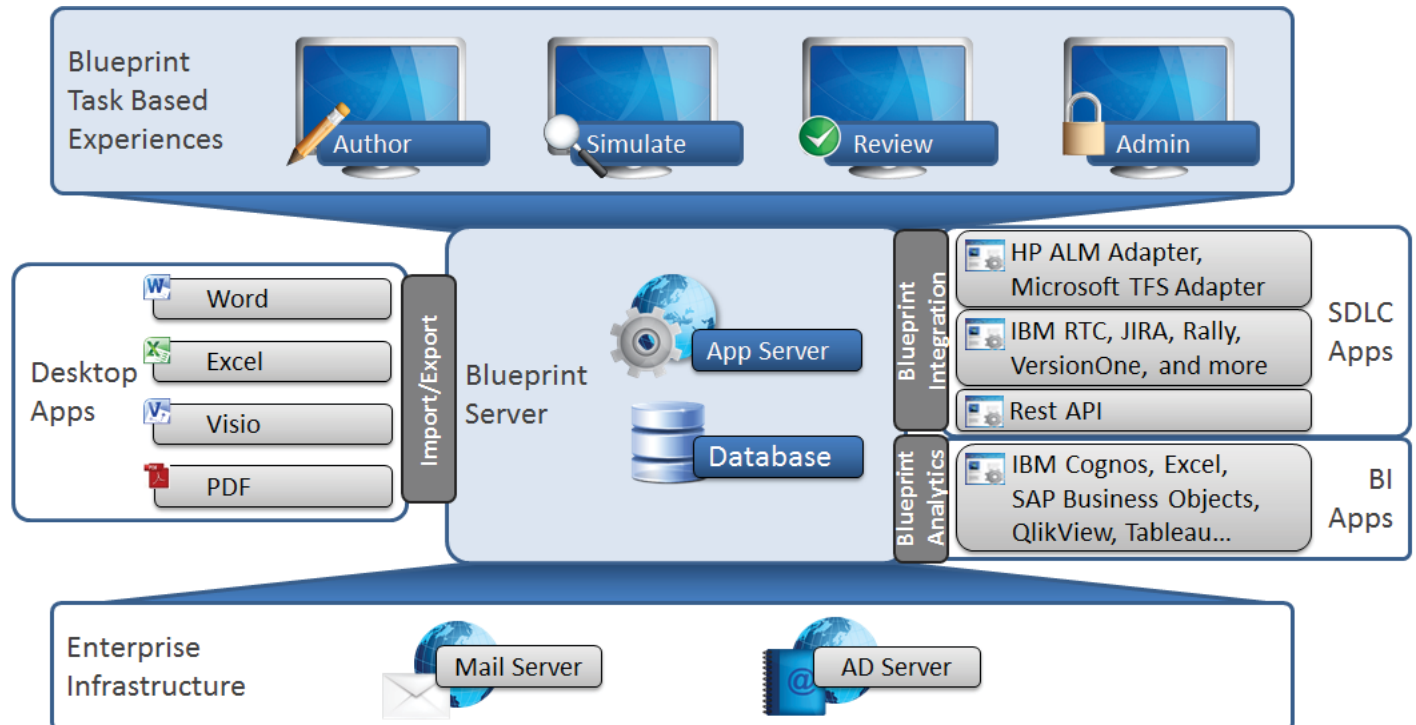


System Configuration

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	Recommended system specifications: <ul style="list-style-type: none"> 2 GHz or faster 64-bit CPU (4-core strongly recommended) 4 GB RAM (8 GB for large deployments) 	<ul style="list-style-type: none"> 2.5 GHz or faster 8 64-bit CPU cores 16 GB RAM 1 Gbps 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"> 64-bit OS: <ul style="list-style-type: none"> Windows 7 Windows 8 Windows 10 Web browsers: <ul style="list-style-type: none"> Internet Explorer 11 or later (compatibility mode is not supported) Firefox 19–51, 52 or later (ESR) Chrome (Impact Analysis, Rapid Review, and Review Experience) Silverlight 5 Minimum resolution of 1280x1024 (1600x900 or higher recommended) .NET Framework 4.7.1* Microsoft Office 2010, 2013, 2016** 	<ul style="list-style-type: none"> Windows Server 2012 (IIS 8) or Windows Server 2012 R2 (IIS 8.5) or Windows Server 2016 (IIS 10) .NET Framework 4.7.1 	<ul style="list-style-type: none"> Windows Server 2012 or Windows Server 2012 R2 or Windows Server 2016 SQL Server 2012, 2014, or 2016

*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	Recommended system specifications: <ul style="list-style-type: none"> • 2 GHz or faster 64-bit CPU (4-core strongly recommended) • 4 GB RAM (8 GB for large deployments) 	<ul style="list-style-type: none"> • 16 GB RAM minimum • 2.5 GHz or faster • 8 64-bit CPU cores • Shared 1 TB SAN
Software	<ul style="list-style-type: none"> • 64-bit OS: <ul style="list-style-type: none"> • Windows 7 • Windows 8 • Web browsers: <ul style="list-style-type: none"> • Internet Explorer 11 or later (compatibility mode is not supported) • Firefox 19–51, 52 or later (ESR) • Chrome (Impact Analysis, Rapid Review, and Review Experience) • Silverlight 5 • Minimum resolution of 1280x1024 (1600x900 or higher recommended) • NET Framework 4.7.1* • Microsoft Office 2010, 2013, 2016** 	<ul style="list-style-type: none"> • Windows Server 2012 (IIS 8) or Windows Server 2012 R2 (IIS 8.5) or Windows Server 2016 (IIS 10) • SQL Server 2012, SQL Server 2014, or SQL Server 2016 • .NET Framework 4.7.1

*only required for authoring document templates

** required for Blueprint Analytics and authoring document templates

Data Tier Configuration

- 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 8080 or 443 (based on IIS and SSL configuration)
- Auxiliary services: port 9101
- If running a separate data tier, the following TCP ports need to be open to the database server
 - 139 & 445 for Windows authentication²
 - 1433 (or configured SQL port)
- Analytics (if applicable): port 8082 or 443

2 - Refer to <https://technet.microsoft.com/en-us/library/dd772723%28v=ws.10%29.aspx?f=255&MSPPErr=-2147217396>

About Blueprint

Blueprint is a Gartner-recognized agile planning and compliance management software vendor that is headquartered in Toronto, Canada and has business units across North America and Europe. Storyteller, Blueprint's leading agile planning and compliance management platform, helps enterprise organizations in regulated industries to drive alignment between business, compliance and development stakeholders throughout complex development cycles in order to deliver high-value and compliant product releases significantly faster, and at vastly reduced cost and exposure to risk.

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