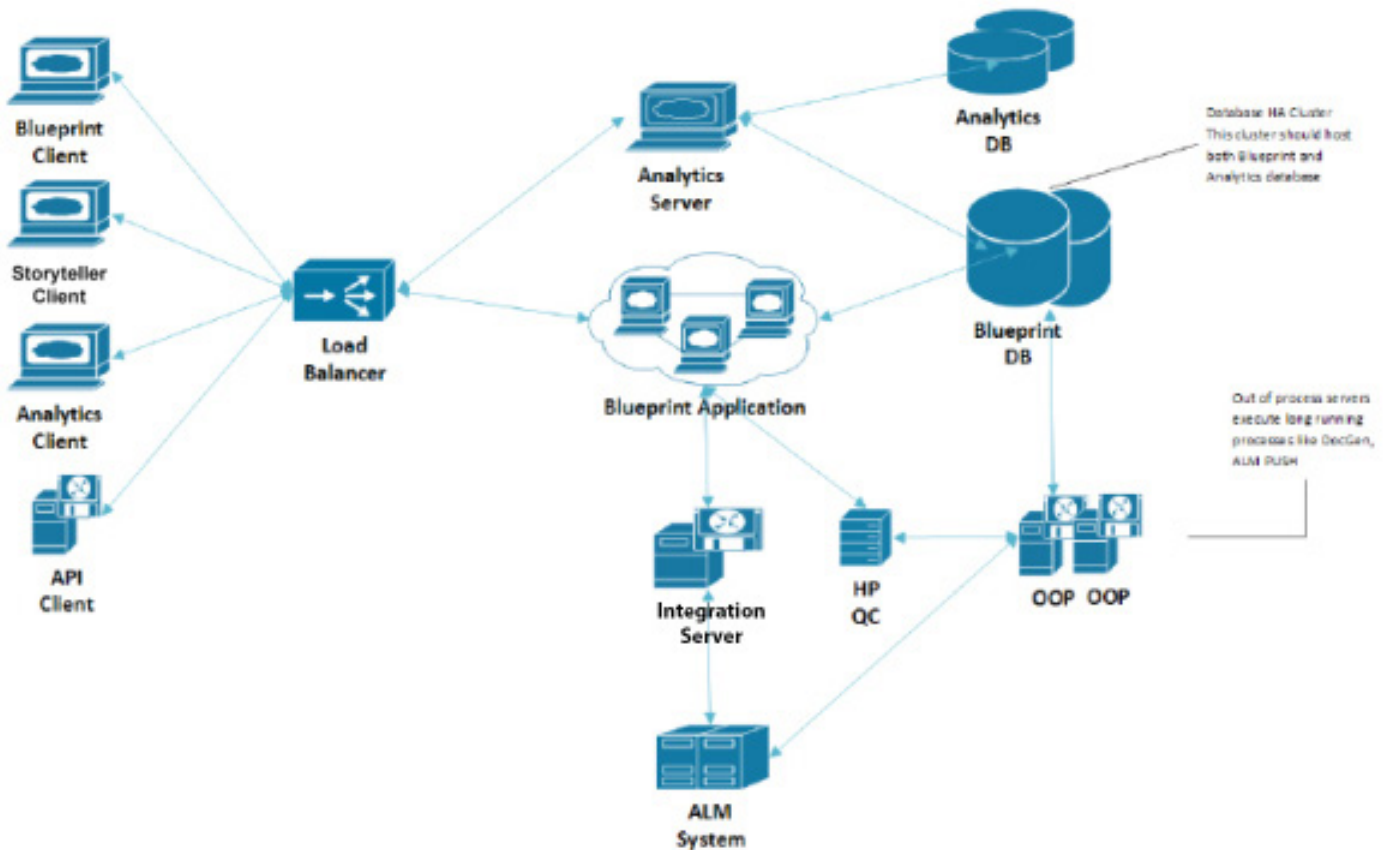


## Blueprint Large-Scale Deployments

Blueprint supports large-scale deployments to meet the specific needs of large enterprises. The following deployment diagram illustrates a large-scale deployment of Blueprint for up to 10000 users.



## Performance Statistics

We have extensively studied mature real world deployments of Blueprint to understand usage patterns and peak workloads. We also conduct performance stress testing as part of every release. These stress tests incorporate real-world simulated use cases and complex real-world datasets. Our deployment recommendations are based on our test observations that require acceptable response times during peak load periods.

## Recommended Hardware

Based on the typical real-world performance statistics and performance testing results, the following hardware is recommended for large-scale deployments of Blueprint:

Deployment Scenario	Web Servers	Out of Process	Database Servers	Integrations Servers
100–1000 users	1 web server  8 64-bit CPU Cores 2.5 GHz or more 16 GB RAM 100 GB HDD	1 server  4 64-bit CPU Cores 2.5 GHz or more 12 GB RAM 500 GB HDD	1 database server  8 64-bit CPU Cores 2.5 GHz or more 16 GB RAM Shared 1 TB SAN	1 integration server  2 64-bit CPU Cores 3.0 GHz or more 4 GB RAM 30 GB HDD
2500 users	2 web servers  Each server: 8 64-bit CPU Cores 2.5 GHz or more 16 GB RAM 100 GB HDD	2 servers  Each server: 4 64-bit CPU Cores 2.5 GHz or more 16 GB RAM 500 GB HDD	2 database servers  Each server: 8 64-bit CPU Cores 2.5 GHz or more 32 GB RAM Shared 1 TB SAN	2 integration servers  Each server: 4 64-bit CPU Cores 3.0 GHz or more 16 GB RAM 50 GB HD
5000 users	3 web servers  Each server: 8 64-bit CPU Cores 2.5 GHz or more 16 GB RAM each 100 GB HDD	3 servers  Each server: 4 64-bit CPU Cores 2.5 GHz or more 16 GB RAM 500 GB HDD	2 database servers  Each server: 8 64-bit CPU Cores 2.5 GHz or more 64 GB RAM Shared 1 TB SAN	2 integration servers  Each server: 4 64-bit CPU Cores 3.0 GHz or more 16 GB RAM 50 GB HDD
10000 users	Hardware requirements for clients whose deployments reach this tier are highly dependent on details such as planned concurrency, as well as project organization. Please contact our Technical Solutions team for more information.			

## Blueprint Analytics

To optimize performance, both the Blueprint database and the Blueprint Analytics database should be hosted on the same high-speed network. The Blueprint Analytics database populates with data from the Blueprint database on a nightly basis. To access the Blueprint database, the Blueprint Analytics database and application make authentication and authorization requests.

The following hardware is recommended for large-scale deployments of Blueprint and Blueprint Analytics:

Deployment Scenario	Web Servers	Database Servers
2500 users	2 web servers  8 64-bit CPU Cores 2.5 GHz or more 16 GB RAM 100 GB HDD	2 database servers  8 64-bit CPU Cores 2.5 GHz or more 32 GB RAM Shared 1 TB SAN
5000 users	3 web servers  8 64-bit CPU Cores 2.5 GHz or more 16 GB RAM 100 GB HDD	2 database servers  8 64-bit CPU Cores 2.5 GHz or more 64 GB RAM Shared 1 TB SAN
10000 users	Hardware requirements for clients whose deployments reach this tier are highly dependent on details such as planned concurrency, as well as project organization. Please contact our Technical Solutions team for more information.	



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Blueprint provides an industry-leading software solution that helps large organizations build better business and software applications. Enterprises across the globe use Blueprint to ensure regulatory compliance, speed transition to Agile, better align Business and IT and leverage seamless integration with leading ALM technologies. Nearly half of all Fortune 100 companies choose Blueprint to de-risk and accelerate their software projects.

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