

Requirements: dynaBOARD Server

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With JIRA Server

Server Resources

Please check if your server (your choice of physical or virtual) meets the minimum requirements below. Also have a look at the recommended hardware specifications if you plan to have a larger number of users.

Minimum Requirements

Property	Minimum requirement
CPU / Cores	1 Core with at least 2 Ghz
RAM	2 GB RAM
Storage	4 GB Swap 5 GB application (including cache) + space for operating system
Bandwidth	10Mbit could be sufficient, 100Mbit advisable

Recommended Specifications

The following table only lists examples. Exact server specifications cannot be given, as it all depends on usage behavior and size of JIRA projects.

Property	10 - 50 users	50 - 100 users	100+ users
CPU / Cores	2 Cores, min. 2 Ghz each	3-4 Cores, min. 2.5 Ghz each	4-6 Cores, min. 2.5 Ghz each
RAM	4 GB RAM	6-8 GB RAM	10+ GB RAM
Storage	8 GB Swap 5-8 GB application	10 GB Swap 10-12 GB application SSDs for swap and database advisable	10 GB Swap 15+ GB application SSDs for swap and database advisable
	+ space for operating system		
Bandwidth	100 Mbit	100 Mbit	100+ Mbit

Webserver & Compiler

dynaBOARD is a PHP-based application, so it typically runs on a LAMP-stack (**L**inux-**A**pache- **M**ySQL-**P**HP). As an alternative to Apache, you can also run on nginx - if you have a lot of users, or experience performance issues, this is a very good option.

It can be run on Windows, but we do not officially support it, and advise to use Linux, especially for security and stability reason. If you plan to run **dynaBOARD** on Windows, you should be aware that some features can be unavailable.

Options marked in bold (see below) are the preferred choice.

Operating System

The following list shows the supported operating systems:

- CentOS 7.x+

Other options - untested but should prove not much of a challenge to get **dynaBOARD** running (unsupported): CentOS 6, Ubuntu, Debian, Red Hat Enterprise, other Linux types.

PHP

It is required to run at least **PHP 5.4.x**.

The following PHP extensions are required by **dynaBOARD**:

- mysqlnd
- gd
- mbstring
- bcmath
- xmlrpc
- cli

Please make sure these are installed.

Webserver

You should either use Apache2 or nginx as your webserver. You can also try other variants, though we will not be able to support you with these. Use the most recent stable one. The webserver should be configured to only allow for SSL-encrypted access to **dynaBOARD** (usually via port 443), else you could end up with serious security problems. Set up the virtual hosts accordingly.

Database

Currently only MySQL is directly supported by **dynaBOARD**. We use an abstraction database layer, which we can map to other database systems. If you need a connector for a different database, please contact our support.

The minimum required version of MySQL is **5.6.x+**.

Other Requirements

The following additional libraries or applications are required:

- ionCube Loader, current stable version for your operating system (could also work with Zend equivalent)

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Sorry, this would be a very uncommon configuration. We currently do not support such a variant, and do not plan to do so in the future.