**How powerful server do I need for my company?**

Since our plugins work with Jira the first thing to consider is the [Jira Sizing Guide](#). The additional footprint our plugins add is difficult to estimate due to the various possible configurations of modules and functionalities that can be used. 20 to 30 per cent more powerful servers should be safe to assume if you want to ensure comfortable interaction while working with our plugins.

![Image](image)

*We do not support HSQL and H2 databases.* The plugin should work on them, but some bugs may happen and we cannot guarantee a smooth experience. The recommended databases are MSSQL, MySQL, PostgreSQL and Oracle.

**Maximum number of Jira issues loaded into a single BigPicture module**

To begin with, performance and load tests executed by SoftwarePlant have set the threshold of issues possible to present by a single BigPicture Program to 5000 issues.

We are constantly working on performance improvements so don't hesitate to contact us and let us know if you experience any problems with using BigPicture on a larger scale.

**BigPicture users**

When it comes to responsiveness, the end-user PC has impact. Having an updated Chrome or Firefox on a modern PC (dual-core PU, preferably at least a Sandy Bridge series for Intel and at least 2 GM RAM, preferably 3-4) is advised.

For the following table, notice that the order is not exact because Clocks are listed to give an idea of specific workload requirements. With the same clocks number, obviously an i5 will be more powerful than an i3. This is actually more of a matrix than a table.

<table>
<thead>
<tr>
<th>Batch size</th>
<th>Clocks</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>100</td>
<td>Pentium Dual-Core</td>
</tr>
<tr>
<td>50</td>
<td>20,000</td>
<td>Core i5-class CPU</td>
</tr>
<tr>
<td>500</td>
<td>100</td>
<td>Core i3-class CPU</td>
</tr>
<tr>
<td>500</td>
<td>20,000</td>
<td>Core i7-class CPU</td>
</tr>
</tbody>
</table>

The figures above are for Sandy Bridge and newer generations of Intel CPUs. Equivalents for AMD and other manufacturers vary, it is best to consult your server provider or administrator.

**BigPicture performance tests conducted by SoftwarePlant**

SoftwarePlant performs load and performance tests before each release to maintain optimal user experience of BigPicture.

Details of Jira environment used for performance tests:

- Operating System: Linux
- Database: PostgreSQL
- Jira RAM: 1536 MB - for plain Jira and BigPicture
- CPU of the host server: 8 cores - host server manages the CPU allocation

**Jira server memory setup comfortable for BigPicture**

The general rule of thumb is to preserve 4KB of RAM memory for each Jira issue registered in the system.

This conversion formula includes overhead which is generated by BigPicture entities that accompany BigPicture tasks (which are entities wrapping Jira issues).

**Example sizing**

For a Jira instance with 1,7m Jira issues, 650 Custom fields, 185 issue types, 185 workflows, 2500 users.

- For issues, always remember about the 4KB per issue rule of thumb.
- All 650 custom fields can be used in a Program Perspective configuration. Number of columns has a direct impact on the BigPicture performance and Gantt loading speed.
- Issue types, workflows, and users do not influence the performance of BigPicture.

**BigPicture Gantt automatic WBS**

Configuring synchronisers in any Program synchronization configuration directly affects the performance of BigPicture when opening a Gantt.
Each synchronizer adds additional work performed for every Jira issue in the scope of a Program.

If you configure your Jira based on best practices as described above it will ensure successful implementation of BigPicture into your environment.

FAQ

"Are there any special configurations related to performance, is it possible to maybe reserve more threads for BigPicture? Or similar...”

Here are some tips that might help:

- Use date filtering if your program spans long period of time
- Switch off fine-grained logging
- Do not use complicated JQL query in the program scope and filters
- Switch off statistics collection and Feedback button
• The more data fields such as columns on Gantt you show while using BigPicture Plugin the more time it takes for the browser to calculate and render it.

Here is a link to our documentation on configuring Column Views.

• Switching off the Gantt Widget on detailed issue view should improve the loading time of the issue.

More information can be found here.

• Limit the number of tasks in the program as mentioned in chapter Maximum number of Jira issues loaded into a single BigPicture module.
• Limit tasks loaded each time a program is opened. Note though that all aggregation calculations will only take into account loaded tasks only.

• Remember that each additional plugin installed shares Jira's resources
• Archive old projects. Here's a link to the official Atlassian Knowledge base article on the topic
• Disable the "Save task changes to Jira issue page"
• Make sure that your browser does not block caching.

Support is always there to help

In case your needs are more complicated you are always welcome to contact our helpful Support Team. They are always more than happy to answer all inquiries.

HIGHLIGHTS

• How powerful server do I need for my company?
  • Maximum number of Jira issues loaded into a single BigPicture module
  • BigPicture users
  • BigPicture performance tests conducted by SoftwarePlant
  • Jira server memory setup comfortable for BigPicture
  • Example sizing
  • BigPicture Gantt automatic WBS
  • FAQ
  • Support is always there to help