

Configuring

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Tuning for search and storage performance

The Archive configuration can be modified to optimize search and storage performance based on server resources.

To optimize the Archive search function, you can edit the **repository.cfg** file to tune the use of your system resources to maximize efficiency.

To produce a faster return on results, modify the **threads_for_search** property so that it matches the number of CPU cores you have on your system. The search function then uses one thread per CPU, so that results are returned more quickly.

If you store 10 million or more documents or jobs in the repository, set the **max_merge_size** to 4000000.

If you store fewer than 10 million documents or jobs, set **max_merge_size** to about 25% of your total documents or jobs stored. For example, if you store 1,000,000 documents, set the **max_merge_size** to 250000.

To tune the repository search:

1. Navigate to the **repository.cfg** file in `/aiw/aiw1/config/` (Unix-based systems) or `C:\aiw\aiw1\config\` (Windows).
2. Open **repository.cfg** in a text editor.
3. Modify **threads_for_search** and **max_merge_size** as needed.
4. Save the file.

 **Note:** You do not need to restart RICOH ProcessDirector for the change to take effect.

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