
Multi-process, I/O intensive jobs slow in Aleph 22-up

- **Product:** Aleph
 - **Product Version:** 20, 21, 22, 23
 - **Relevant for Installation Type:** Dedicated-Direct, Direct, Local, Total Care
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Description

Multi-process, I/O intensive functions are slow in Aleph 22/Oracle 11r2 (or higher):

1. Multiple file-20 jobs being run at the same time for different ADMs in a consortia are slow. {See Article "[file-20 slow in v22](#)".}
2. Word and/or Headings indexing are slow. (See link to articles below.)
3. I/O-intensive GUI activities (such as invoice processing, order index display, and return of items to patrons with many items on loan) are slow

Causes/Resolutions

A. Missing Oracle indexes

This is a common cause of extreme slowness not just in version 22 but in all Aleph versions. See Article "[*How to tell if Oracle indexes for a particular library are present & VALID?*](#)" for SQL which can be used to check *all* of the Oracle indexes for a library with a single command.

B. SGA

Three large sites, who had SGA (as seen in the SQL query "show sga") of 1.5G found in Aleph 22/Oracle 11r2 that increasing the SGA to 8G or 10G improved performance. Do the following to see your SGA value:

```
> sqlplus ALEPH_ADMIN/ALEPH_ADMIN  
  
aleph_admin@LIBP> show sga
```

See also, the article "[How to increase the Oracle SGA](#)".

Additional Information

Article [*How to tell if Oracle indexes for a particular library are present & VALID?*](#)

Article [How to increase the Oracle SGA](#)

Article [file-20 slow in v22](#)

Article [p_manage_01: based on p_manage_01_a.cycles will take 50+ hours to run](#)

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