



BWA Troubleshooting Guides

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1.2 Validate the services	3
1.3 Analyze disk write performance & network performance	3

BWA Guides

We have created standard SAP Notes for Troubleshooting different scenarios where most of our customers face the issues. These documents include many possible causes for the issues and solutions, workarounds for each cause. The solutions, workarounds and suggestions mentioned here are inline with SAP Standards.

1. Note [1870916](#) - BWA Troubleshooting: Hardware or Network Issue troubleshooting

This document helps with the following:

- 1.1 Availability of Hardware
- 1.2 Validate the services
- 1.3 Analyze disk write performance & network performance

2. Note [1871088](#) - BWA Troubleshooting: Analyze High CPU Usage

This document helps with the following:

- 2.1 Check which process utilizes most CPU
- 2.2 Check CPU usage from TREXAdmin & see list of running threads
- 2.3 If CPU is exhausted during indexing jobs or when queries are executed

3. Note [1872296](#) - BWA Troubleshooting: High Memory Consumption

This document helps with the following:

- 3.1 Check the service which causes the huge memory consumption
- 3.2 Check long running threads & ratio of disk usage to main memory.
- 3.3 Verify the landscape reorganization algorithm
- 3.4 Check for alerts in RSDDBIAMON2/TREXAdmin tool.
- 3.5 Check memory relevant parameters of TREXIndexServer.ini

4. Note [1871790](#) - BWA Troubleshooting: Analyzing Indexing Performance

This document helps with the following:

- 4.1 Check the BWA alerts & BW logs
- 4.2 Check the Indexing settings in the BWA Monitor using RSDDBIAMON2
- 4.3 Run a BWA Check & Maintain indexing statistics data in table RSDDSTATTREX and RSDDSTATTREXSERV.
- 4.4 Check the load on BWA during indexing.
- 4.5 Check the TREXIndexserver.ini file parameter settings.

5. Note [1872295](#) - BWA Troubleshooting: Indexing Errors

This document helps with the following:

- 5.1 Check the hardware configuration, including the I/O for each blade and the network settings between BW and BWA
- 5.2 Investigate the job Logs & application log
- 5.3 Check the services & analyze if there is a high load and if this is balanced on all blades or it only happens on a specific blade
- 5.4 Check the core Files & create and analyze python traces

6. Note [1872501](#) - BWA Troubleshooting: TREXIndexServer crash

This document helps with the following:

- 6.1 Verify whether the TREXIndexServer process has crashed and was restarted.
- 6.2 Perform Root cause analysis of the crash.
- 6.3 Crash Analysis using Python trace.

7. Note [1871604](#) - BWA Troubleshooting: Analyze Poor Query performance

This document helps with the following:

- 7.1 Check whether the query uses BWA or not
- 7.2 Check where most of the runtime is spent
- 7.3 Check for any errors using the checkBIA.py python script & see if a reorg is proposed by BWA
- 7.4 Check for partitioning of a huge F-Index
- 7.5 Review BWA Statistics index & Alert server for any errors/warnings
- 7.6 Execute a Performance trace, python trace and analyze them.

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