

IBELog and IBELogGUI

IBELog and IBELogGUI are simple tools, command line and GUI respectively, which convert the gbak output when using `-v` and `-ST TDRW`, i.e. when you ask gbak to generate an output log file including statistics such as time from start, delta time, page reads and page writes, into a table-based compressed format, to see which tables are responsible for long run times.

Bellow you can see how backup and restore logs look, compressed from the sample employee database:

Backup:

1	gbak: time	delta	reads	writes		1		total time	relative time	records	reads	writes
2	gbak: 0.062	0.062	41	0	readied database	2	Basic Metadata creation	0.080	56.74%		108	1
3	gbak: 0.063	0.000	0	0	creating file c:	3	COUNTRY	0.015	10.64%	16	2	0
4	gbak: 0.063	0.000	0	0	starting transac	4	CUSTOMER	0.001	0.71%	15	2	0
5	gbak: 0.064	0.001	21	1	database C:\FS\F	5	DEPARTMENT	0.000	0.00%	21	2	0
6	gbak: 0.064	0.000	0	0	writing domain	6	EMPLOYEE	0.001	0.71%	42	2	0
7	gbak: 0.065	0.000	4	0	writing doma	7	EMPLOYEE_PROJECT	0.000	0.00%	20	2	0
8	gbak: 0.065	0.000	0	0	writing doma	8	JOB	0.017	12.06%	31	3	0
9	gbak: 0.065	0.000	0	0	writing doma	9	PROJ_DEPT_BUDGET	0.001	0.71%	24	3	0
10	gbak: 0.065	0.000	0	0	writing doma	10	PROJECT	0.001	0.71%	6	3	0
11	gbak: 0.065	0.000	0	0	writing doma	11	SALARY_HISTORY	0.001	0.71%	49	2	0
12	gbak: 0.065	0.000	0	0	writing doma	12	SALES	0.001	0.71%	33	20	0
13	gbak: 0.065	0.000	0	0	writing doma	13	Final Metadata creation	0.003	16.31%		23	0
14	gbak: 0.065	0.000	1	0	writing doma							
15	gbak: 0.065	0.000	0	0	writing doma							
16	gbak: 0.065	0.000	0	0	writing doma							
17	gbak: 0.066	0.000	0	0	writing doma							
18	gbak: 0.066	0.000	0	0	writing doma							
19	gbak: 0.066	0.000	0	0	writing doma							
20	gbak: 0.066	0.000	0	0	writing doma							
21	gbak: 0.066	0.000	0	0	writing doma							
22	gbak: 0.066	0.000	0	0	writing doma							
23	gbak: 0.066	0.000	0	0	writing doma							
24	gbak: 0.066	0.000	0	0	writing doma							
25	gbak: 0.066	0.000	1	0	writing doma							
26	gbak: 0.066	0.000	0	0	writing doma							
27	gbak: 0.066	0.000	0	0	writing doma							
28	gbak: 0.066	0.000	0	0	writing doma							
29	gbak: 0.066	0.000	0	0	writing doma							
30	gbak: 0.066	0.000	0	0	writing doma							
31	gbak: 0.066	0.000	0	0	writing doma							
32	gbak: 0.066	0.000	0	0	writing doma							
33	gbak: 0.067	0.000	0	0	writing doma							
34	gbak: 0.067	0.000	0	0	writing doma							

Restore:

1	gbak: time	delta	reads	writes		1		total time	relative time	records	reads	writes
2	gbak: 0.014	0.014	0	0	opened file C:\d	2	Basic Metadata creation	0.250	54.82%		0	586
3	gbak: 0.084	0.069	0	0	transportable ba	3	COUNTRY	0.000	0.00%	16	0	0
4	gbak: 0.084	0.000	0	0	back	4	CUSTOMER	0.000	0.00%	15	0	0
5	gbak: 0.084	0.000	0	0	backup version i	5	DEPARTMENT	0.001	0.22%	21	0	0
6	gbak: 0.220	0.135	0	666	created database	6	EMPLOYEE	0.001	0.22%	42	0	0
7	gbak: 0.221	0.001	0	2	started transact	7	EMPLOYEE_PROJECT	0.001	0.22%	20	0	0
8	gbak: 0.221	0.000	0	0	restoring domain	8	JOB	0.001	0.22%	31	0	0
9	gbak: 0.222	0.000	0	0	restoring domain	9	PROJ_DEPT_BUDGET	0.001	0.22%	24	0	0
10	gbak: 0.222	0.000	0	0	restoring domain	10	PROJECT	0.001	0.22%	6	0	0
11	gbak: 0.222	0.000	0	0	restoring domain	11	SALARY_HISTORY	0.001	0.22%	49	0	0
12	gbak: 0.222	0.000	0	0	restoring domain	12	SALES	0.002	0.44%	33	0	65
13	gbak: 0.222	0.000	0	0	restoring domain	13	Final Metadata creation	0.197	43.20%		0	600
14	gbak: 0.222	0.000	0	0	restoring domain							
15	gbak: 0.222	0.000	0	0	restoring domain							
16	gbak: 0.222	0.000	0	0	restoring domain							
17	gbak: 0.222	0.000	0	0	restoring domain							
18	gbak: 0.222	0.000	0	0	restoring domain							
19	gbak: 0.222	0.000	0	0	restoring domain							
20	gbak: 0.222	0.000	0	0	restoring domain							
21	gbak: 0.223	0.000	0	0	restoring domain							
22	gbak: 0.223	0.000	0	0	restoring domain							
23	gbak: 0.223	0.000	0	0	restoring domain							
24	gbak: 0.223	0.000	0	0	restoring domain							
25	gbak: 0.223	0.000	0	0	restoring domain							
26	gbak: 0.223	0.000	0	0	restoring domain							
27	gbak: 0.223	0.000	0	0	restoring domain							
28	gbak: 0.223	0.000	0	0	restoring domain							
29	gbak: 0.223	0.000	0	0	restoring domain							
30	gbak: 0.224	0.000	0	0	restoring domain							
31	gbak: 0.224	0.000	0	0	restoring domain							
32	gbak: 0.224	0.000	0	0	restoring domain							
33	gbak: 0.224	0.000	0	0	restoring domain							
34	gbak: 0.224	0.000	0	0	restoring domain							

Usage syntax for command-line usage:

```
IBELog.exe inputfile outputfile
```

where inputfile is the gbak output log and output file is the file generated from this tool, just like in the GUI version.

You can also use files generated by the IBExpert IDE and use *verbose to screen* and, on the second page, add all options to show runtime stats.

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