

harbour - Podrška #28959

harbour NTX/CDX speed

24.08.2012 23:37 - Ernad Husremović

Status:	Zatvoreno	Početak:	24.08.2012
Prioritet:	Normalan	Završetak:	
Odgovorna osoba:	Ernad Husremović	% završeno:	0%
Kategorija:		Procjena vremena:	0.00 sat
Ciljna verzija:			
Opis			

Historija

#1 - 24.08.2012 23:37 - Ernad Husremović

NTX je puno brži ?

<http://www.mail-archive.com/harbour@harbour-project.org/msg25415.html>

#2 - 24.08.2012 23:47 - Ernad Husremović

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> I don't know the effectiveness of the DBFNTX in Harbour, so i ask you
> if also the A) choice is dangerous and the pure Harbour path is the only
> affordable.
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In Harbour DBFNTX is probably *much faster* then in Clipper and for sure they can be used to index really big tables (I know that some people use Harbour only to reindex files for Clipper due to huge speed difference and the fact that over some size limits Clipper begins to GPF during indexing). Harbour DBFNTX implementation also supports all CDX extensions and few others but you will not be able to enable all of them if you want to share data with Clipper. *Compound index*, large NTX file support up to 4TB or using RECNO as hidden part of index key to eliminate linear scan during record updating in indexes uses keys with big number of repeated values are extensions which change index formats and I implemented them only in Harbour and xHarbour so only in these languages can operate on such NTX indexes.

Technically NTX format is much faster then CDX. In the ideal environment where you have a lot of RAM and you can keep index files in memory CDX is many times slower then NTX. But we are not leaving in ideal world and in most of cases indexes are accessed using slow network connections. It means that the size of index files will determinate the speed. CDX files store keys in leaf nodes in compressed form what greatly reduces the total index size and it's the reason of better overall performance when the cost of reading/writing from/to index file is very big, i.e. files are stored on file server.

best regards,
Przemek

#3 - 25.08.2012 11:53 - Ernad Husremović

- Naslov promijenjeno iz harbour speed u harbour NTX/CDX speed

#4 - 25.08.2012 11:55 - Ernad Husremović

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u F18 ne koristi se mrežni pristup tako da ovo nije problem, prebacio sam F18 na DBFNTX engine

#5 - 26.08.2012 10:51 - Ernad Husremović

- Status promijenjeno iz Dodijeljeno u Zatvoreno