Posted by olegvk2000 on Mon, 05 Feb 2024 16:48:03 GMT
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select count(*) from turist_list_detal

PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 850 100 512
Max memory = 850 759 088
Memory buffers = 50 000
Reads from disk to cache = 185 058
Writes from cache to disk = 0

```
CREATE TABLE TURIST_LIST_DETAL (
    UID             T_UID NOT NULL /* T_UID = BIGINT NOT NULL */,
    COD_COUNTRY     T_COD_COUNTRY NOT NULL /* T_COD_COUNTRY =
CHAR(3) */,
    UID_LIST        T_UID NOT NULL /* T_UID = BIGINT NOT NULL */,
    UID_TRAVEL      T_UID NOT NULL /* T_UID = BIGINT NOT NULL */,
    LAST_NAME       T_A64 NOT NULL /* T_A64 = VARCHAR(64) */,
    FIRST_NAME      T_A64 /* T_A64 = VARCHAR(64) */,
    BIRTHDAY        T_DATE /* T_DATE = DATE */,
    POLIS_NUMBER    T_A64 /* T_A64 = VARCHAR(64) */,
    DATE_IN         T_DATE NOT NULL /* T_DATE = DATE */,
    DATE_OUT        T_DATE NOT NULL /* T_DATE = DATE */,
    FRANSHISE       T_MONEY /* T_MONEY = NUMERIC(15,2) */,
    KOL_DAY         COMPUTED BY (CAST((DATE_OUT - DATE_IN + 1) as
Integer)),
```

```
   SUMMA_IC        T_MONEY /* T_MONEY = NUMERIC(15,2) */,
   SUMMA_IC_PREMIA  T_MONEY DEFAULT 0 NOT NULL /* T_MONEY =
NUMERIC(15,2) */,
   COD_VALUT_IC     T_COD_VALUT DEFAULT 'USD' NOT NULL /* T_COD_VALUT
= CHAR(3) */,
   IC_PROGRAM       T_A3 /* T_A3 = VARCHAR(3) */,
   IC_COD           T_A3 /* T_A3 = VARCHAR(3) */,
   IS_VIP           COMPUTED BY ((select turist_list.is_vip from turist_list
                where
                (
                 (turist_list.uid = UID_LIST)
                 ) ))
);



 /****************************************************** ******************/
/****                        Primary keys
                        ****/
 /****************************************************** ******************/

ALTER TABLE TURIST_LIST_DETAL ADD CONSTRAINT PK_TURIST_LIST_DETAL PRIMARY
KEY (UID);


 /****************************************************** ******************/
/****                        Foreign keys
                        ****/
 /****************************************************** ******************/

ALTER TABLE TURIST_LIST_DETAL ADD CONSTRAINT FK_TURIST_LIST_DETAL_1
FOREIGN KEY (UID_LIST) REFERENCES TURIST_LIST (UID) ON DELETE CASCADE ON
UPDATE CASCADE;
ALTER TABLE TURIST_LIST_DETAL ADD CONSTRAINT FK_TURIST_LIST_DETAL_2
FOREIGN KEY (COD_COUNTRY) REFERENCES COUNTRY (COD_COUNTRY) ON UPDATE
CASCADE;
ALTER TABLE TURIST_LIST_DETAL ADD CONSTRAINT FK_TURIST_LIST_DETAL_3
FOREIGN KEY (UID_TRAVEL) REFERENCES CLIENTS (UID) ON UPDATE CASCADE;


 /****************************************************** ******************/
/****                          Indices
                          ****/
 /****************************************************** ******************/

CREATE INDEX TURIST_LIST_DETAL_IDX1 ON TURIST_LIST_DETAL (POLIS_NUMBER);
CREATE DESCENDING INDEX TURIST_LIST_DETAL_IDX_DATE_IN ON
TURIST_LIST_DETAL (DATE_IN);
```

CREATE DESCENDING INDEX TURIST_LIST_DETAL_IDX_DATE_OUT ON TURIST_LIST_DETAL (DATE_OUT);

Posted by hvlad on Mon, 05 Feb 2024 16:57:11 GMT
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Posted by olegvk2000 on Mon, 05 Feb 2024 16:59:26 GMT
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Posted by olegvk2000 on Mon, 05 Feb 2024 17:30:29 GMT
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```
MA5.FDB = C:\KovSoft\Basa5\MA5.FDB
{
 DefaultDBCachePages = 262144
   LockMemSize = 64M
   TempCacheLimit  = 2185M
}

##############################################
#
# Firebird version 5.0 configuration file
#
##############################################
```

DefaultDbCachePages = 50K

```
TempCacheLimit = 256M


InlineSortThreshold = 16384

RemoteServicePort = 5050
RemoteAuxPort = 5051

LockMemSize = 20M

LockHashSlots = 40099




MaxParallelWorkers = 2

# ----------------------------
# Default number of parallel workers for a single connection. For more details
# see doc/README.parallel_features.
#
# Valid values are from 1 (no parallelism) to MaxParallelWorkers (above).
# Values less than 1 are silently ignored and default value of 1 is used.
# Per-process.
#
# Type: integer
#
#ParallelWorkers = 1
ParallelWorkers = 2


#ServerMode = Super

#ExtConnPoolSize = 0
ExtConnPoolSize = 64

# ----------------------------
# Sets the time before destroying inactive external connection, seconds.
# Valid values are between 1 and 86400.
#
# Type: integer
#
#ExtConnPoolLifeTime = 7200
```

Posted by olegvk2000 on Mon, 05 Feb 2024 17:36:32 GMT
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select count(*)
from turist_list_detal

---------- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 851 640 784
Max memory = 852 514 864
Memory buffers = 50 000
Reads from disk to cache = 167 760
Writes from cache to disk = 1

Posted by hvlad on Mon, 05 Feb 2024 17:55:57 GMT
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Posted by olegvk2000 on Mon, 05 Feb 2024 18:05:54 GMT
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---------- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 840 975 104
Max memory = 841 636 512
Memory buffers = 50 000
Reads from disk to cache = 167 760
Writes from cache to disk = 0

Posted by olegvk2000 on Mon, 05 Feb 2024 18:07:39 GMT
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---------- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 840 974 560
Max memory = 841 636 512
Memory buffers = 50 000
Reads from disk to cache = 167 777
Writes from cache to disk = 0

Posted by olegvk2000 on Mon, 05 Feb 2024 18:31:20 GMT
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---------- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 840 976 976
Max memory = 841 638 144
Memory buffers = 50 000
Reads from disk to cache = 185 099
Writes from cache to disk = 0

Posted by basid on Mon, 05 Feb 2024 18:55:06 GMT
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Posted by olegvk2000 on Mon, 05 Feb 2024 19:03:40 GMT
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Posted by sim_84 on Mon, 05 Feb 2024 19:37:45 GMT
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Posted by olegvk2000 on Mon, 05 Feb 2024 19:44:08 GMT
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Posted by sim_84 on Mon, 05 Feb 2024 20:57:58 GMT
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Posted by olegvk2000 on Tue, 06 Feb 2024 09:02:57 GMT
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---------- ----------

---------- ----------

---------- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 840 976 976
Max memory = 841 638 144
Memory buffers = 50 000
Reads from disk to cache = 185 099
Writes from cache to disk = 0

---------- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 840 998 496
Max memory = 841 638 144
Memory buffers = 50 000
Reads from disk to cache = 185 116
Writes from cache to disk = 0

---------- ----------
Fb 5.0.1.1329
---------- ----------

---------- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 840 976 976
Max memory = 841 650 880
Memory buffers = 50 000
Reads from disk to cache = 185 099
Writes from cache to disk = 0

---------- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 840 976 432
Max memory = 841 650 880
Memory buffers = 50 000
Reads from disk to cache = 185 116
Writes from cache to disk = 0

Fb Firebird-4.0.4.3010

PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 851 247 408
Max memory = 852 166 480
Memory buffers = 50 000
Reads from disk to cache = 167 760
Writes from cache to disk = 0

PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 851 246 368
Max memory = 852 166 480
Memory buffers = 50 000
Reads from disk to cache = 167 775
Writes from cache to disk = 1

Posted by sim_84 on Tue, 06 Feb 2024 10:24:24 GMT
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MA5.FDB = C:\KovSoft\Basa5\MA5.FDB
{
DefaultDBCachePages = 262144
  LockMemSize = 64M
  TempCacheLimit = 2185M
}

Posted by hvlad on Tue, 06 Feb 2024 10:29:22 GMT
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Posted by hvlad on Tue, 06 Feb 2024 10:33:15 GMT
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fb5.

Posted by olegvk2000 on Tue, 06 Feb 2024 10:57:49 GMT
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Database "C:\KOVSOFT\BASA5\MA4.FDB"
Gstat execution time Tue Feb 6 13:51:57 2024

Database header page information:
	Flags 0
	Generation 1677
	System Change Number 0
	Page size 16384
	ODS version 13.0
	Oldest transaction 1660
	Oldest active 1661
	Oldest snapshot 1661
	Next transaction 1661
	Sequence number 0
	Next attachment ID 34
	Implementation HW=AMD/Intel/x64 little-endian OS=Windows CC=MSVC
	Shadow count 0
	Page buffers 50000
	Next header page 0
	Database dialect 3
	Creation date Feb 5, 2024 17:04:52
	Attributes force write

    Variable header data:
	Database GUID: {900216C3-8B2C-4757-964A-46CD9AFF2243}
	Sweep interval: 20000
	END

Database file sequence:
File C:\KOVSOFT\BASA5\MA4.FDB is the only file

Analyzing database pages ...
TURIST_LIST_DETAL (132)
    Primary pointer page: 191, Index root page: 192
    Total formats: 2, used formats: 1
    Average record length: 97.75, total records: 18971605
    Average version length: 0.00, total versions: 0, max versions: 0
    Average fragment length: 0.00, total fragments: 0, max fragments: 0
    Average unpacked length: 304.00, compression ratio: 3.11
    Pointer pages: 52, data page slots: 167728
    Data pages: 167728, average fill: 79%
    Primary pages: 167728, secondary pages: 0, swept pages: 0
    Empty pages: 3, full pages: 167724
    Fill distribution:

0 - 19% = 3
20 - 39% = 0
40 - 59% = 1
60 - 79% = 147305
80 - 99% = 20419

Index FK_TURIST_LIST_DETAL_1 (6)
Root page: 605497, depth: 3, leaf buckets: 6543, nodes: 18971605
Average node length: 5.59, total dup: 18962763, max dup: 146447
Average key length: 2.01, compression ratio: 4.49
Average prefix length: 8.99, average data length: 0.01
Clustering factor: 169076, ratio: 0.01
Fill distribution:
0 - 19% = 0
20 - 39% = 0
40 - 59% = 1
60 - 79% = 0
80 - 99% = 6542

Index FK_TURIST_LIST_DETAL_2 (5)
Root page: 599352, depth: 3, leaf buckets: 6533, nodes: 18971605
Average node length: 5.58, total dup: 18971551, max dup: 12443789
Average key length: 2.00, compression ratio: 1.50
Average prefix length: 3.00, average data length: 0.00
Clustering factor: 459961, ratio: 0.02
Fill distribution:
0 - 19% = 0
20 - 39% = 0
40 - 59% = 1
60 - 79% = 0
80 - 99% = 6532

Index FK_TURIST_LIST_DETAL_3 (4)
Root page: 592879, depth: 3, leaf buckets: 6536, nodes: 18971605
Average node length: 5.58, total dup: 18971584, max dup: 10044101
Average key length: 2.00, compression ratio: 4.49
Average prefix length: 9.00, average data length: 0.00
Clustering factor: 172029, ratio: 0.01
Fill distribution:
0 - 19% = 0
20 - 39% = 0
40 - 59% = 1
60 - 79% = 0
80 - 99% = 6535

Index PK_TURIST_LIST_DETAL (0)
Root page: 539299, depth: 3, leaf buckets: 13636, nodes: 18971605
Average node length: 11.63, total dup: 0, max dup: 0

Average key length: 8.05, compression ratio: 1.12
Average prefix length: 3.95, average data length: 5.05
Clustering factor: 169038, ratio: 0.01
Fill distribution:
0 - 19% = 0
20 - 39% = 0
40 - 59% = 1
60 - 79% = 0
80 - 99% = 13635

Index TURIST_LIST_DETAL_IDX1 (3)
Root page: 565842, depth: 3, leaf buckets: 7912, nodes: 18971605
Average node length: 6.74, total dup: 12643564, max dup: 120290
Average key length: 3.16, compression ratio: 4.19
Average prefix length: 12.27, average data length: 0.94
Clustering factor: 8551390, ratio: 0.45
Fill distribution:
0 - 19% = 0
20 - 39% = 0
40 - 59% = 0
60 - 79% = 0
80 - 99% = 7912

Index TURIST_LIST_DETAL_IDX_DATE_IN (1)
Root page: 553704, depth: 3, leaf buckets: 6534, nodes: 18971605
Average node length: 5.58, total dup: 18969731, max dup: 120275
Average key length: 2.00, compression ratio: 2.00
Average prefix length: 3.99, average data length: 0.00
Clustering factor: 413885, ratio: 0.02
Fill distribution:
0 - 19% = 0
20 - 39% = 1
40 - 59% = 0
60 - 79% = 0
80 - 99% = 6533

Index TURIST_LIST_DETAL_IDX_DATE_OUT (2)
Root page: 560244, depth: 3, leaf buckets: 6534, nodes: 18971605
Average node length: 5.58, total dup: 18969693, max dup: 120275
Average key length: 2.00, compression ratio: 2.00
Average prefix length: 3.99, average data length: 0.00
Clustering factor: 1788664, ratio: 0.09
Fill distribution:
0 - 19% = 0
20 - 39% = 1
40 - 59% = 0
60 - 79% = 0
80 - 99% = 6533

Gstat completion time Tue Feb 6 13:52:05 2024

Posted by olegvk2000 on Tue, 06 Feb 2024 10:58:56 GMT
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Database "C:\KOVSOFT\BASA5\MA5.FDB"
Gstat execution time Tue Feb 6 13:54:59 2024

Database header page information:
	Flags 0
	Generation 2000
	System Change Number 0
	Page size 16384
	ODS version 13.1
	Oldest transaction 2045
	Oldest active 2046
	Oldest snapshot 2046
	Next transaction 2046
	Sequence number 0
	Next attachment ID 42
	Implementation HW=AMD/Intel/x64 little-endian OS=Windows
CC=MSVC
	Shadow count 0
	Page buffers 50000
	Next header page 0
	Database dialect 3
	Creation date Feb 4, 2024 18:12:28
	Attributes force write

   Variable header data:
	Database GUID: {3E334F4D-660C-4C1B-AC34-9F764706CD60}
	Sweep interval: 20000
	END

Database file sequence:
File C:\KOVSOFT\BASA5\MA5.FDB is the only file

Analyzing database pages ...
TURIST_LIST_DETAL (132)
   Primary pointer page: 196, Index root page: 197

Total formats: 2, used formats: 1
Average record length: 112.60, total records: 18971605
Average version length: 0.00, total versions: 0, max versions: 0
Average fragment length: 0.00, total fragments: 0, max fragments: 0
Average unpacked length: 304.00, compression ratio: 2.70
Pointer pages: 57, data page slots: 185064
Data pages: 185064, average fill: 81%
Primary pages: 185064, secondary pages: 0, swept pages: 0
Empty pages: 5, full pages: 185057
Fill distribution:
0 - 19% = 5
20 - 39% = 1
40 - 59% = 0
60 - 79% = 3028
80 - 99% = 182030

Index FK_TURIST_LIST_DETAL_1 (6)
Root page: 648726, depth: 3, leaf buckets: 6589, nodes: 18971605
Average node length: 5.63, total dup: 18962763, max dup: 146447
Average key length: 2.01, compression ratio: 4.49
Average prefix length: 8.99, average data length: 0.01
Clustering factor: 193824, ratio: 0.01
Fill distribution:
0 - 19% = 1
20 - 39% = 0
40 - 59% = 0
60 - 79% = 0
80 - 99% = 6588

Index FK_TURIST_LIST_DETAL_2 (5)
Root page: 642528, depth: 3, leaf buckets: 6579, nodes: 18971605
Average node length: 5.62, total dup: 18971551, max dup: 12443789
Average key length: 2.00, compression ratio: 1.50
Average prefix length: 3.00, average data length: 0.00
Clustering factor: 502109, ratio: 0.03
Fill distribution:
0 - 19% = 1
20 - 39% = 0
40 - 59% = 0
60 - 79% = 0
80 - 99% = 6578

Index FK_TURIST_LIST_DETAL_3 (4)
Root page: 636004, depth: 3, leaf buckets: 6582, nodes: 18971605
Average node length: 5.62, total dup: 18971584, max dup: 10044101
Average key length: 2.00, compression ratio: 4.49
Average prefix length: 9.00, average data length: 0.00
Clustering factor: 191150, ratio: 0.01

Fill distribution:
0 - 19% = 1
20 - 39% = 0
40 - 59% = 0
60 - 79% = 0
80 - 99% = 6581

Index PK_TURIST_LIST_DETAL (0)
Root page: 582191, depth: 3, leaf buckets: 13682, nodes: 18971605
Average node length: 11.67, total dup: 0, max dup: 0
Average key length: 8.05, compression ratio: 1.12
Average prefix length: 3.95, average data length: 5.05
Clustering factor: 193444, ratio: 0.01
Fill distribution:
0 - 19% = 0
20 - 39% = 1
40 - 59% = 0
60 - 79% = 0
80 - 99% = 13681

Index TURIST_LIST_DETAL_IDX1 (3)
Root page: 608862, depth: 3, leaf buckets: 7958, nodes: 18971605
Average node length: 6.78, total dup: 12643564, max dup: 120290
Average key length: 3.16, compression ratio: 4.19
Average prefix length: 12.27, average data length: 0.94
Clustering factor: 8573712, ratio: 0.45
Fill distribution:
0 - 19% = 0
20 - 39% = 0
40 - 59% = 1
60 - 79% = 0
80 - 99% = 7957

Index TURIST_LIST_DETAL_IDX_DATE_IN (1)
Root page: 596640, depth: 3, leaf buckets: 6579, nodes: 18971605
Average node length: 5.62, total dup: 18969731, max dup: 120275
Average key length: 2.00, compression ratio: 2.00
Average prefix length: 3.99, average data length: 0.00
Clustering factor: 448070, ratio: 0.02
Fill distribution:
0 - 19% = 0
20 - 39% = 0
40 - 59% = 0
60 - 79% = 1
80 - 99% = 6578

Index TURIST_LIST_DETAL_IDX_DATE_OUT (2)
Root page: 603225, depth: 3, leaf buckets: 6579, nodes: 18971605

Average node length: 5.62, total dup: 18969693, max dup: 120275
Average key length: 2.00, compression ratio: 2.00
Average prefix length: 3.99, average data length: 0.00
Clustering factor: 1920575, ratio: 0.10
Fill distribution:
0 - 19% = 0
20 - 39% = 0
40 - 59% = 0
60 - 79% = 0
80 - 99% = 6579

Gstat completion time Tue Feb 6 13:55:07 2024

Posted by olegvk2000 on Tue, 06 Feb 2024 11:02:26 GMT
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File Attachments

1) stat_fb5.txt, downloaded 1050 times
2) stat_fb4.txt, downloaded 931 times

Posted by sim_84 on Tue, 06 Feb 2024 11:24:37 GMT
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select count(UID)
from turist_list_detal

Posted by olegvk2000 on Tue, 06 Feb 2024 11:35:47 GMT
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select count(UID) from turist_list_detal

 -- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 841 004 688
Max memory = 841 622 176
Memory buffers = 50 000
Reads from disk to cache = 185 116
Writes from cache to disk = 0

Posted by olegvk2000 on Tue, 06 Feb 2024 11:36:49 GMT
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select count(1) from turist_list_detal

 -- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 840 979 360
Max memory = 841 622 176
Memory buffers = 50 000
Reads from disk to cache = 185 116
Writes from cache to disk = 0

Posted by sim_84 on Tue, 06 Feb 2024 11:46:16 GMT
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Posted by hvlad on Tue, 06 Feb 2024 12:22:51 GMT
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Posted by olegvk2000 on Tue, 06 Feb 2024 12:23:46 GMT
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---------- ----------
PLAN (TURIST_LIST_DETAL NATURAL)

Current memory = 851 248 480
Max memory = 852 166 480
Memory buffers = 50 000
Reads from disk to cache = 167 775
Writes from cache to disk = 1

Posted by kdv on Wed, 14 Feb 2024 11:24:10 GMT
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