REPORTE DE SERVICIO

Contrato 11 - 2023

Resumen ejecutivo de servicios Contrato 11 - 2023			
Razón Social	**Defensoría del Pueblo**	NIT	**800.186.061**
Contacto	**Ing. Alexander Monroy, Director TI Yonh Caballero Hernández Sofía Mendivelso Sistemas**	Teléfono	**3144000**
Dirección	**Sede Nacional: Calle 55 No. 10-32**	Ciudad	**Bogotá D.C - Colombia**

Obligaciones Específicas:

Verificación del estado actual del motor de base de datos	**X**	**X**
Realizar tareas de refinamiento para aprovechar versión Enterprise	**X**	**X**
Configurar y dejar en funcionamiento disco, memoria y procesos	**X**	**X**
Sincronización de servidor base de datos y servidores Web	**X**	
Actualizar y sincronizar servidores web		
Reinstalar última versión de herramienta de administración	**X**	**X**
Verificar estrategias de backup con ontape y dbexport	**X**	
Optimizar todas las variables en el Onconfig	**X**	**X**
Verificar y ajustar tareas programadas	**X**	
Definir políticas de seguridad del motor de base de datos	**X**	
Realizar actividades de ajuste y optimización sobre la plataforma	**X**	
Verificar servidores para implementar alta disponibilidad	**X**	
Documentación del estado final y documento de propuestas	**X**	
Entregar documento del monitoreo y actividades	**X**	
Acompañamiento de 40 horas		
Cumplir con ofrecimientos de la propuesta	**X**	
Presentar informes de ejecución	**X**	
Cumplir actividades del anexo tecnico	**X**	
Asumir costos para cumplir objeto contractual	**X**	**X**
Contar con personal idóneo para el proceso	**X**	**X**
Garantizar prestación del servicio	**X**	**X**
Garantizar continuidad del servicio o la seguridad de laa Defensoria	**X**	
Cumplir con demás obligaciones	**X**	**X**

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Actividades de servicios contrato 11 - 2023			
Razón Social	**Defensoría del Pueblo**	NIT	**800.186.061**
Contacto	**Ing. Alexander Monroy, Director TI** **Yonh Caballero Hernández** **Sofía Mendivelso** **Sistemas**	Teléfono	**3144000**
Dirección	**Sede Nacional: Calle 55 No. 10-32**	Ciudad	**Bogotá D.C - Colombia**

Actividad #: 1 | **Monitoreo de Servidor 172.31.75.146**

```
[informix@elias ~]$ cat /etc/issue
Red Hat Enterprise Linux Server release 6.3 (Santiago)
Kernel \r on an \m

Linux elias.defensoria.org.co 2.6.32-279.el6.x86_64 #1 SMP Wed Jun 13 18:24:36 EDT 2012 x86_64 x86_64
x86_64 GNU/Linux

Machine Configuration....
OS Name                          Linux
OS Release                       2.6.32-279.el6.x86_64
OS Node Name                        elias.defensoria.org.co
OS Version                       #1 SMP Wed Jun 13 18:24:36 EDT 2012
OS Machine                        x86_64
Number of processors                 24
Number of online processors           24
System memory page size               4096 bytes
System memory                       64415 MB
System free memory                   61644 MB
Number of open files per process      1024
shmmax                            4398046511104
shmmin                           1
shmids                           4096
shmNumSegs                          4294967296
semmap                            <<  UnSupported  >>
semids                           128
semnum                            32000
semundo                           <<  UnSupported  >>
semNumPerID                         4096
semops                           250
```

```
semUndoPerProc                  <<  UnSupported  >>
semUndoSize                    20
semMaxValue                    32767

Server start-up environment:

Variable          Value [values-list]
DBDELIMITER       |
DBPATH            .
DBPRINT           lp -s
DBSPACETEMP       tmp1dbs,tmp2dbs,tmp3dbs,tmp4dbs
DBTEMP            /tmp
IGNORE_UNDERFLOW  1
INFORMIXDIR       /opt/IBM/informix
                  [/opt/IBM/informix]
                  [/usr/informix]
INFORMIXSERVER    vision_shm
INFORMIXTERM      terminfo
LC_COLLATE        en_US.iso88591
LC_CTYPE          en_US.iso88591
LC_MONETARY       en_US.iso88591
LC_NUMERIC        en_US.iso88591
LC_TIME           en_US.iso88591
LKNOTIFY          yes
LOCKDOWN          no
NODEFDAC          no
ONCONFIG          onconfig.vision
PATH              /opt/IBM/informix/bin:/usr/bin:/bin
SERVER_LOCALE     en_US.819
SHELL             /bin/sh
TERM              dumb
TERMCAP           /etc/termcap
```

Servidor requiere actualización de versión del sistema operativo

IBM Informix Dynamic Server Version 12.10.FC9 -- On-Line -- Up 17:00:30 -- 18398204 Kbytes
There are 6 servers found

```
Server        : vision_shm
Server Number : 0
Server Type   : IDS
Server Status : Up
Server Version: IBM Informix Dynamic Server Version 12.10.FC9
Shared Memory : 0x44000000
INFORMIXDIR   : /opt/IBM/informix
ONCONFIG      : /opt/IBM/informix/etc/onconfig.vision
SQLHOSTS      : /opt/IBM/informix/etc/sqlhosts
Host          : elias.defensoria.org.co
```

Se debería estar usando últimas versiones del producto

```
Validating PAGE_PZERO...
   Identity                    IBM Informix Dynamic Ser
                              ver Copyright 2001, 2012
                               IBM Corporation.
   Database system state       0
```


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```
   Database system flags          0x3
      64-bit server
      Always write big-chunk-style page headers
   Page Size                   2048 (b)
   Date/Time created           11/05/2013 11:21:07
   Version number of creator      29
   UID of rootdbs creator         501
   Index Page Logging             OFF
   HA Disk Owner                  <null>
```

Mas de 10 años de uso del producto sin actualizar la versión.

```
Dbspaces
address          number   flags     fchunk   nchunks  pgsize   flags    owner    name
52f68028          1       0x60001   1          1       2048     N  BA    informix rootdbs
541ce750          2       0x60001   2          2       2048     N  BA    informix physdbs
541ce990          3       0x60001   3          1       2048     N  BA    informix logsdbs
541cebd0          4       0x42001   4          20      2048     N TBA    informix tmp1dbs
541d0028          5       0x42001   5          21      2048     N TBA    informix tmp2dbs
541d0268          6       0x42001   6          21      2048     N TBA    informix tmp3dbs
541d04a8          7       0x42001   7          21      2048     N TBA    informix tmp4dbs
541d06e8          8       0x60001   8          5       8192     N  BA    informix dat1dbs
541d0928          9       0x60001   9          2       8192     N  BA    informix dat2dbs
541d0b68          10      0x60001   10         1       8192     N  BA    informix dat3dbs
541d0da8          11      0x60001   11         16      8192     N  BA    informix dat4dbs
541d1028          12      0x60001   12         1       8192     N  BA    informix dat5dbs
541d1268          13      0x60001   13         9       8192     N  BA    informix dat6dbs
541d14a8          14      0x60001   14         1       12288    N  BA    informix idx1dbs
541d16e8          15      0x60001   15         1       12288    N  BA    informix idx2dbs
541d1928          16      0x60001   16         1       12288    N  BA    informix idx3dbs
541d1b68          17      0x60001   17         1       12288    N  BA    informix idx4dbs
541d1da8          18      0x60001   18         1       12288    N  BA    informix idx5dbs
541d2028          19      0x60001   19         1       12288    N  BA    informix idx6dbs
541d2268          20      0x60011   21         1       2048     N BBA    informix blobdefen
 20 active, 2047 maximum
Note: For BLOB chunks, the number of free pages shown is out of date.
      Run 'onstat -d update' for current stats.

544fe028         13     13     37224452   786432     0              PO-B-- /opt/IBM/informix/datos/vision_dbs1
544ff028         14     14     40370184   524288     513215         PO-B-- /opt/IBM/informix/datos/vision_dbs1
54500028         15     15     43515912   524288     505973         PO-B-- /opt/IBM/informix/datos/vision_dbs1
54501028         16     16     46661640   524288     495310         PO-B-- /opt/IBM/informix/datos/vision_dbs1
54502028         17     17     49807368   524288     500923         PO-B-- /opt/IBM/informix/datos/vision_dbs1
54503028         18     18     52953096   524288     509499         PO-B-- /opt/IBM/informix/datos/vision_dbs1
54504028         19     19     56098824   524288     419039         PO-B-- /opt/IBM/informix/datos/vision_dbs1
54505028         20     2      59244552   524288     524285         PO-B-- /opt/IBM/informix/datos/vision_dbs1
54506028         21     20     59768840   1048576    ~1044430 1048576    POBB-- /opt/IBM/informix/datos/vision_dbs1
54507028         22     13     60817416   78644      0              PO-B-- /opt/IBM/informix/datos/vision_dbs1
54508028         23     13     61131992   131075     0              PO-B-- /opt/IBM/informix/datos/vision_dbs1
54509028         24     13     61656292   99615      472            PO-B-- /opt/IBM/informix/datos/vision_dbs1
5450a028         25     13     0          109577     101382         PO-B-- /opt/IBM/informix/datos/vision_dbs2
5450b028         26     13     438308     120535     120532         PO-B-- /opt/IBM/informix/datos/vision_dbs2
5450c028         27     13     920448     132588     0              PO-B-- /opt/IBM/informix/datos/vision_dbs2
5450d028         28     13     1450800    262147     0              PO-B-- /opt/IBM/informix/datos/vision_dbs2
5450e028         29     11     62054752   78644      0              PO-B-- /opt/IBM/informix/datos/vision_dbs1
5450f028         30     11     2499388    86508      0              PO-B-- /opt/IBM/informix/datos/vision_dbs2
54510028         31     11     2845420    131075     0              PO-B-- /opt/IBM/informix/datos/vision_dbs2
```

```
.
.
.
54576028        126    6      61922967   1282599    1282596             PO-B-- /opt/IBM/informix/datos/vision_dbs2
5457e028        127    7      63205566   1282599    1282596             PO-B-- /opt/IBM/informix/datos/vision_dbs2
5457f028        128    9      64488168   78644      78641             PO-B-- /opt/IBM/informix/datos/vision_dbs2
 128 active, 32766 maximum


lrwxrwxrwx  1 informix informix   13 Nov  5  2013 vision_dbs1 -> /dev/raw/raw3
lrwxrwxrwx  1 informix informix   13 Dec  9  2013 vision_dbs2 -> /dev/raw/raw6
```

Áreas lógicas y físicas de la base de datos en 2 espacios de disco. Genera contención y muchas esperas por I/O

```
num   DBSpace          Q Size Q Len  Buffer partnum    size     scanner
Dbspaces - Archive Status
name             number level date            log        log-position
rootdbs          1      0     05/21/2018.18:37 257        0x2fb7018
physdbs          2      0     05/21/2018.18:37 257        0x2fb7018
logsdbs          3      0     05/21/2018.18:37 257        0x2fb7018
dat1dbs          8      0     05/21/2018.18:37 257        0x2fb7018
dat2dbs          9      0     05/21/2018.18:37 257        0x2fb7018
dat3dbs          10     0     05/21/2018.18:37 257        0x2fb7018
dat4dbs          11     0     05/21/2018.18:37 257        0x2fb7018
dat5dbs          12     0     05/21/2018.18:37 257        0x2fb7018
dat6dbs          13     0     05/21/2018.18:37 257        0x2fb7018
idx1dbs          14     0     05/21/2018.18:37 257        0x2fb7018
idx2dbs          15     0     05/21/2018.18:37 257        0x2fb7018
idx3dbs          16     0     05/21/2018.18:37 257        0x2fb7018
idx4dbs          17     0     05/21/2018.18:37 257        0x2fb7018
idx5dbs          18     0     05/21/2018.18:37 257        0x2fb7018
idx6dbs          19     0     05/21/2018.18:37 257        0x2fb7018
blobdefen        20     0     05/21/2018.18:37 257        0x2fb7018
```

No existe una estrategia de backup incrementales. Se ejecuta dbexport y dbimport lo que puede generar bloqueos

```
IBM Informix Dynamic Server Version 12.10.FC9 -- On-Line -- Up 17:00:30 -- 18398204 Kbytes
Enterprise Replication is not active.

DDR -- Down --
CDR_LOG_LAG_ACTION dlog requests: 0       (not configured).

Data Replication at 0x54095028:
  Type          State       Paired server       Last DR CKPT (id/pg)    Supports Proxy Writes
  standard      off                               -1 / -1        NA
  DRINTERVAL   1
  DRTIMEOUT    30
  DRAUTO       0
  DRLOSTFOUND  /opt/IBM/informix/etc/dr.lostfound
  DRIDXAUTO    0
  ENCRYPT_HDR  0
  Backlog      0
```

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Ninguno de los mecanismos de alta disponibilidad del motoro estan activos o usándose.

MT global info:
sessions threads vps   lngspins time
14   64   12   0   1198
         sched calls   thread switches yield 0   yield n   yield forever
total: 50641196   11867792   41473556 51136   3060399
per sec: 34227   12188   23112   132   4846
Virtual processor summary:
 class   vps   usercpu   syscpu   total
 cpu   4   1443.30   82.13   1525.43
 aio   1   0.00   0.00   0.00
 lio   1   0.00   0.01   0.01
 pio   1   0.01   0.01   0.02
 adm   1   0.02   0.02   0.04
 soc   2   10.01   19.46   29.47
 msc   1   0.00   0.00   0.00
 fifo   1   0.01   0.01   0.02
 total   12   1453.35   101.64   1554.99
Individual virtual processors:
 vp   pid   class   usercpu   syscpu   total   Thread   Eff
 1   13733   cpu   329.21   13.11   342.32   1019.68   33%
 2   13734   adm   0.02   0.02   0.04   0.00   0%
 3   13735   lio   0.00   0.01   0.01   0.00   0%
 4   13736   pio   0.01   0.01   0.02   0.00   0%
 5   13737   aio   0.00   0.00   0.00   0.00   0%
 6   13738   msc   0.00   0.00   0.00   0.00   0%
 7   13739   fifo   0.01   0.01   0.02   0.00   0%
 8   13740   cpu   398.65   27.22   425.87   1021.76   41%
 9   13741   cpu   374.45   20.46   394.91   965.24   40%
 10   13742   cpu   340.99   21.34   362.33   889.42   40%
 11   13743   soc   5.18   10.19   15.37   NA   NA
 12   13744   soc   4.83   9.27   14.10   NA   NA
               tot   1453.35   101.64   1554.99

Desde ya se evidencia que se usan mas del licenciamiento permitido y licenciado por el cliente.

02:09:19 Maximum server connections 511
02:09:19 Checkpoint Statistics - Avg. Txn Block Time 0.000, # Txns blocked 0, Plog used 507, Llog used 2
02:09:20 IBM Informix Dynamic Server Stopped.
02:09:31 IBM Informix Dynamic Server Started.
02:09:31 Requested shared memory segment size rounded from 73268KB to 74572KB

02:09:40 IBM Informix Dynamic Server Version 12.10.FC9 Software Serial Number AAA#B000000
02:09:40 Assert Warning: Unable to bind to the port (9088) on the host (172.31.75.146) for the server (sion1).
02:09:40   Who: Session(9, informix@, 0, (nil))
           Thread(14, soctcplst, 0, 8)
           File: soc_be.c Line: 2523
02:09:40 SHM Globals and Master Pool/Master Block Adresses:

02:09:40 Assert Warning: Unable to bind to the port (9088) on the host (172.31.75.146) for the server (sion_said).
02:09:40   Who: Session(11, informix@, 0, (nil))
           Thread(15, soctcplst, 0, 9)
           File: soc_be.c Line: 2523
02:09:40 SHM Globals and Master Pool/Master Block Adresses:

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02:09:41 Unable to bind to the port (9088) on the host (172.31.75.146) for the server (sion1).
02:09:41 Unable to bind to the port (9088) on the host (172.31.75.146) for the server (sion_said).
02:09:41 listener-thread@soc_be.c:2369: err = -25572: oserr = 2: errstr = : Network driver cannot bind a name to the port.
System error = 2.
02:09:41 sql_listener: ASF_LISTEN failed
02:09:41 Attempting to bring listener thread down.

Se evidencian mensajes y posibles errores de red que pueden afectar el sistema

6:29:16 listener-thread@soc_be.c:3093: err = -25582: oserr = 0: errstr = from eliseo to server vision_tcp : Network connection is broken.
16:29:16 listener-thread@soc_be.c:3093: err = -25582: oserr = 0: errstr = from eliseo to server vision_tcp : Network connection is broken.
16:29:16 listener-thread@soc_be.c:3093: err = -25582: oserr = 0: errstr = from eliseo to server vision_tcp : Network connection is broken.
16:29:16 listener-thread@soc_be.c:3093: err = -25582: oserr = 0: errstr = from eliseo to server vision_tcp : Network connection is broken.
16:29:16 listener-thread@soc_be.c:3093: err = -25582: oserr = 0: errstr = from eliseo to server vision_tcp : Network connection is broken.
16:29:16 listener-thread@soc_be.c:3093: err = -25582: oserr = 0: errstr = from eliseo to server vision_tcp : Network connection is broken.
16:29:16 listener-thread@soc_be.c:3093: err = -25582: oserr = 0: errstr = from eliseo to server vision_tcp : Network connection is broken.
16:29:16 listener-thread@soc_be.c:3093: err = -25582: oserr = 0: errstr = from eliseo to server vision_tcp : Network connection is broken.
16:29:16 listener-thread@soc_be.c:3093: err = -25582: oserr = 0: errstr = from eliseo to server vision_tcp : Network connection is broken.

13:35:06 sid 151808 - usuprodweb@eliseo - pid 23303 terminated by onmode -z.
.
13:35:06 sid 149483 - usuprodweb@eliseo - pid 24105 terminated by onmode -z.
.
13:35:06 sid 144390 - usuprodweb@eliseo - pid 24737 terminated by onmode -z.
.
13:35:06 sid 151053 - usuprodweb@eliseo - pid 24541 terminated by onmode -z.
.
13:35:06 sid 146832 - usuprodweb@nessan - pid 35116 terminated by onmode -z.

Se realizan procesos de terminacion de conexiones que pueden afectar la estructura de la base

Validating database dojuana
Validating systables for database dojuana
ERROR: informix.ced_cedula fextsize 8 != tblspace.fextsize 16
ERROR: informix.usu_usuario fextsize 8 != tblspace.fextsize 16
ERROR: informix.apl_aplicativos fextsize 8 != tblspace.fextsize 16

ERROR: informix.sub_subaplicativos fextsize 8 != tblspace.fextsize 16

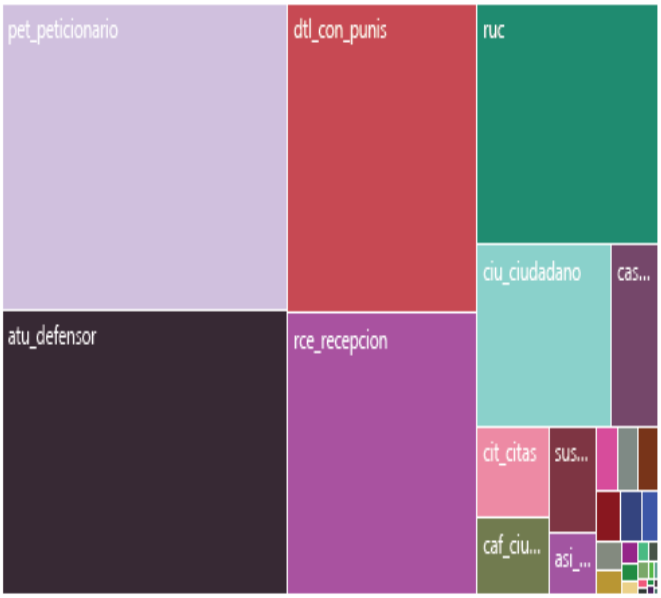
Se evidencian errores en las estructuras internas de la base. Puede ser un daño físico del disco.

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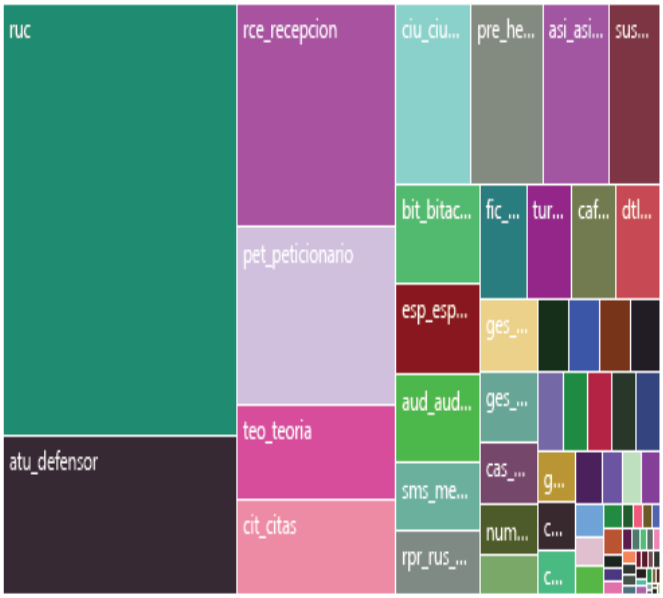
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Actividad #: 2	Monitoreo de B.D en ambiente grafico

Suma de pagreads por tabname



Suma de pagwrites por tabname



tabname	Suma de pagreads
pet_peticionario	52668677
atu_defensor	49084926
dtl_con_punis	35272563
rce_recepcion	32150260
ruc	26347255
ciu_ciudadano	14713268
cas_casos_raj	5223192
cit_citas	3952807
caf_ciu_afect	3291507
sus_sustituciones	3070444
asi_asignacion	1785859
teo_teoria	798849
rpr_rus_precon	798281
sup_supervision	777582
Total	**233922315**

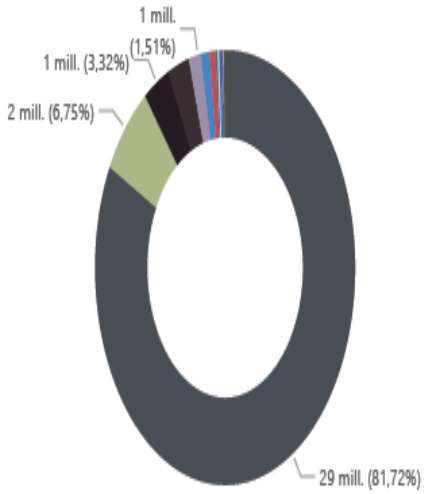
tabname	Suma de pagwrites
ruc	32355
atu_defensor	11948
rce_recepcion	11385
pet_peticionario	9019
teo_teoria	4841
cit_citas	4829
ciu_ciudadano	4358
pre_hechos	4142
asi_asignacion	3856
sus_sustituciones	2931
bit_bitacora	2660
esp_especialista	2464
aud_auditoria	2366
sms_mensajes	1793
Total	**124417**

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Suma de seqscans por tabname



tabname
- lis_actuaciones
- ato_autoridad
- car_carceles
- del_delitos
- pun_recepcion
- tct_actua_subgrupo
- dtl_con_punis
- dep_dependencias
- dpa_departamento
- dfp_defensor

Suma de lockwts por tabname

tabname
- abc
- acc_acciones
- acc_gru_grupos
- acc_mdl_modulo
- acc_per_perfil
- acc_prg_programa
- acc_pxp_progperf
- acc_usu_usuario
- acom_dependencias
- act_actividad_pyd

tabname	Suma de seqscans
lis_actuaciones	28871825
ato_autoridad	2384201
car_carceles	1172924
del_delitos	923660
pun_recepcion	533354
tct_actua_subgrupo	380000
dtl_con_punis	248451
dep_dependencias	94310
dpa_departamento	76456
dfp_defensor	75590
mas_aseguramiento	44625
tdc_tip_docum	41806
esd_defensor	41507
num_rus_ruc	40068
Total	**35332007**

tabname	Suma de lockwts
abc	0
acc_acciones	0
acc_gru_grupos	0
acc_mdl_modulo	0
acc_per_perfil	0
acc_prg_programa	0
acc_pxp_progperf	0
acc_usu_usuario	0
acom_dependencias	0
act_actividad_pyd	0
act_reparto_caso	0
act_visita	0
afe_ciudadano_raj	0
ale_alertas	0
Total	**0**

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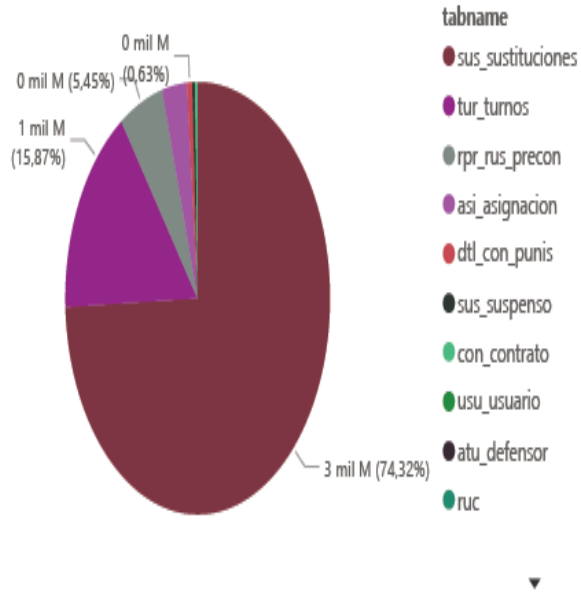
REPORTE DE SERVICIO

Contrato 11 - 2023

Suma de deadlks por tabname



Suma de lockreqs por tabname



tabname	Suma de deadlks
abc	0
acc_acciones	0
acc_gru_grupos	0
acc_mdl_modulo	0
acc_per_perfil	0
acc_prg_programa	0
acc_pxp_progperf	0
acc_usu_usuario	0
acom_dependencias	0
act_actividad_pyd	0
act_reparto_caso	0
act_visita	0
afe_ciudadano_raj	0
ale_alertas	0
Total	**0**

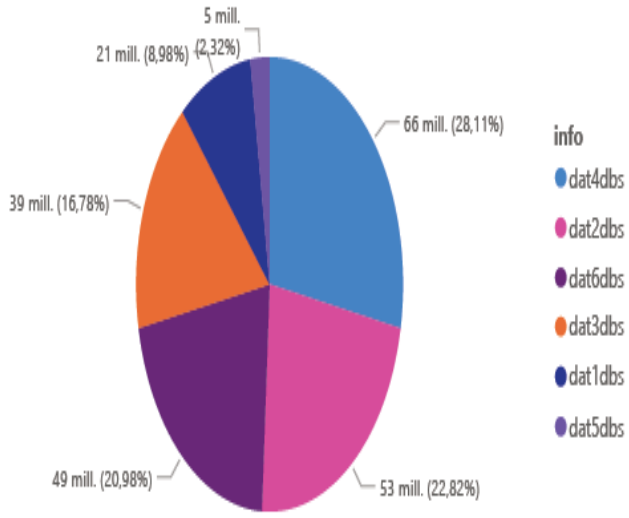
tabname	Suma de lockreqs
sus_sustituciones	2517534104
tur_turnos	537631567
rpr_rus_precon	184446482
asi_asignacion	102593569
dtl_con_punis	21310545
sus_suspenso	12403476
con_contrato	9949344
usu_usuario	429693
atu_defensor	230220
ruc	180841
num_rus_ruc	146854
bit_bitacora	92011
rce_recepcion	64208
pet_peticionario	58812
Total	**3387356698**

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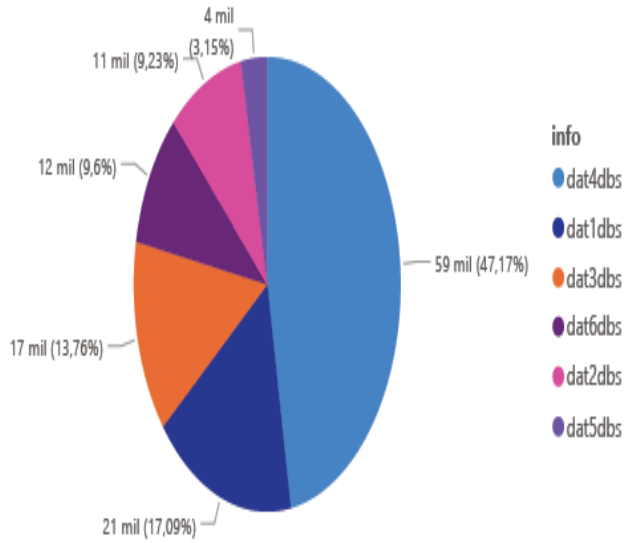
REPORTE DE SERVICIO

Contrato 11 - 2023

Suma de pagreads por info



Suma de pagwrites por info



info	Suma de pagreads
dat4dbs	65756504
dat2dbs	53376810
dat6dbs	49084926
dat3dbs	39262646
dat1dbs	21010646
dat5dbs	5430783
Total	233922315

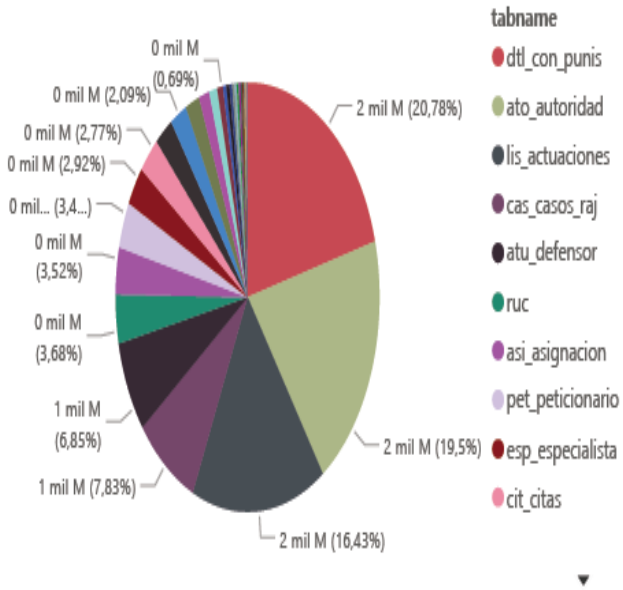
info	Suma de pagwrites
dat4dbs	58688
dat1dbs	21264
dat3dbs	17114
dat6dbs	11948
dat2dbs	11483
dat5dbs	3920
Total	124417

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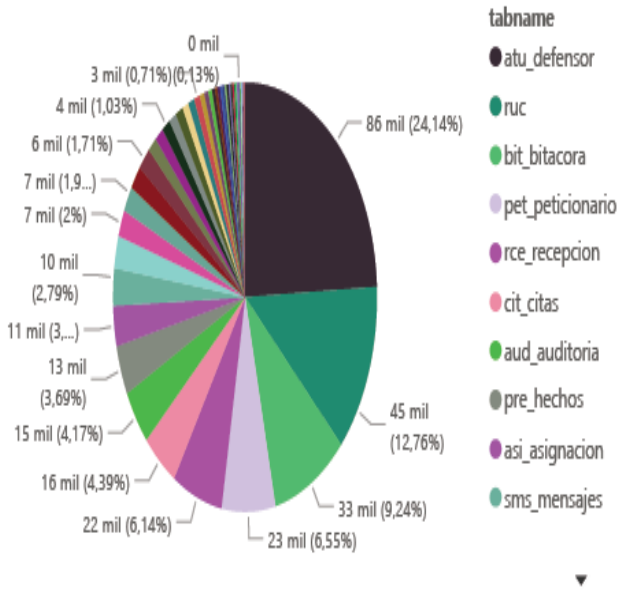
REPORTE DE SERVICIO

Contrato 11 - 2023

Suma de bufreads por tabname



Suma de bufwrites por tabname



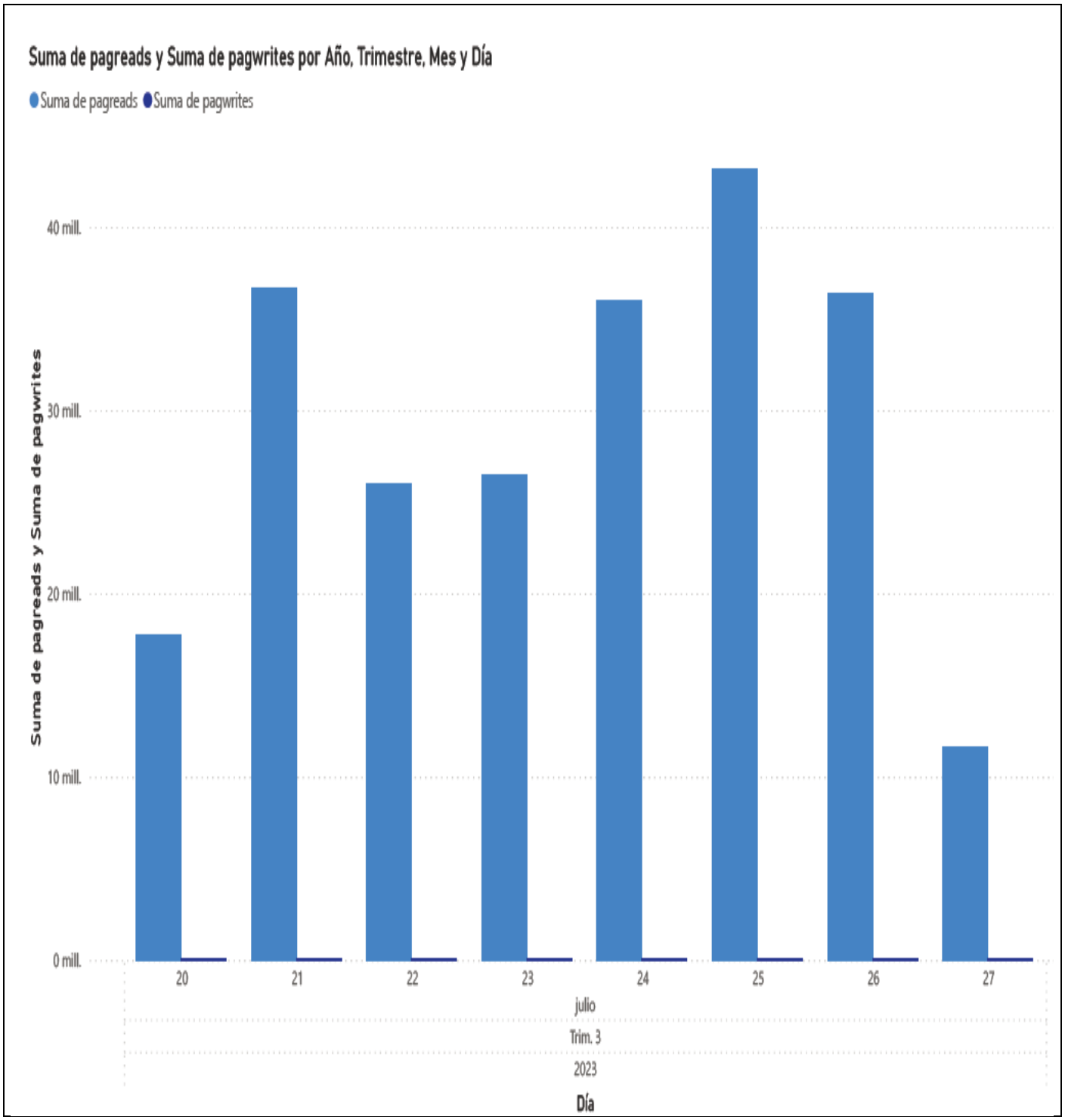
tabname	Suma de bufreads
dtl_con_punis	1916197915
ato_autoridad	1798467151
lis_actuaciones	1514656206
cas_casos_raj	722347781
atu_defensor	631919312
ruc	338963751
asi_asignacion	324572896
pet_peticionario	320550360
esp_especialista	269475730
cit_citas	255252483
del_delitos	208313221
tct_actua_subgrupo	192821819
caf_ciu_afect	159333513
rce_recepcion	119231961
Total	**9220670836**

tabname	Suma de bufwrites
atu_defensor	85727
ruc	45297
bit_bitacora	32820
pet_peticionario	23247
rce_recepcion	21822
cit_citas	15585
aud_auditoria	14810
pre_hechos	13101
asi_asignacion	10736
sms_mensajes	9900
ciu_ciudadano	8659
teo_teoria	7106
ges_gestion_docum	6800
esp_especialista	6241
Total	**355126**

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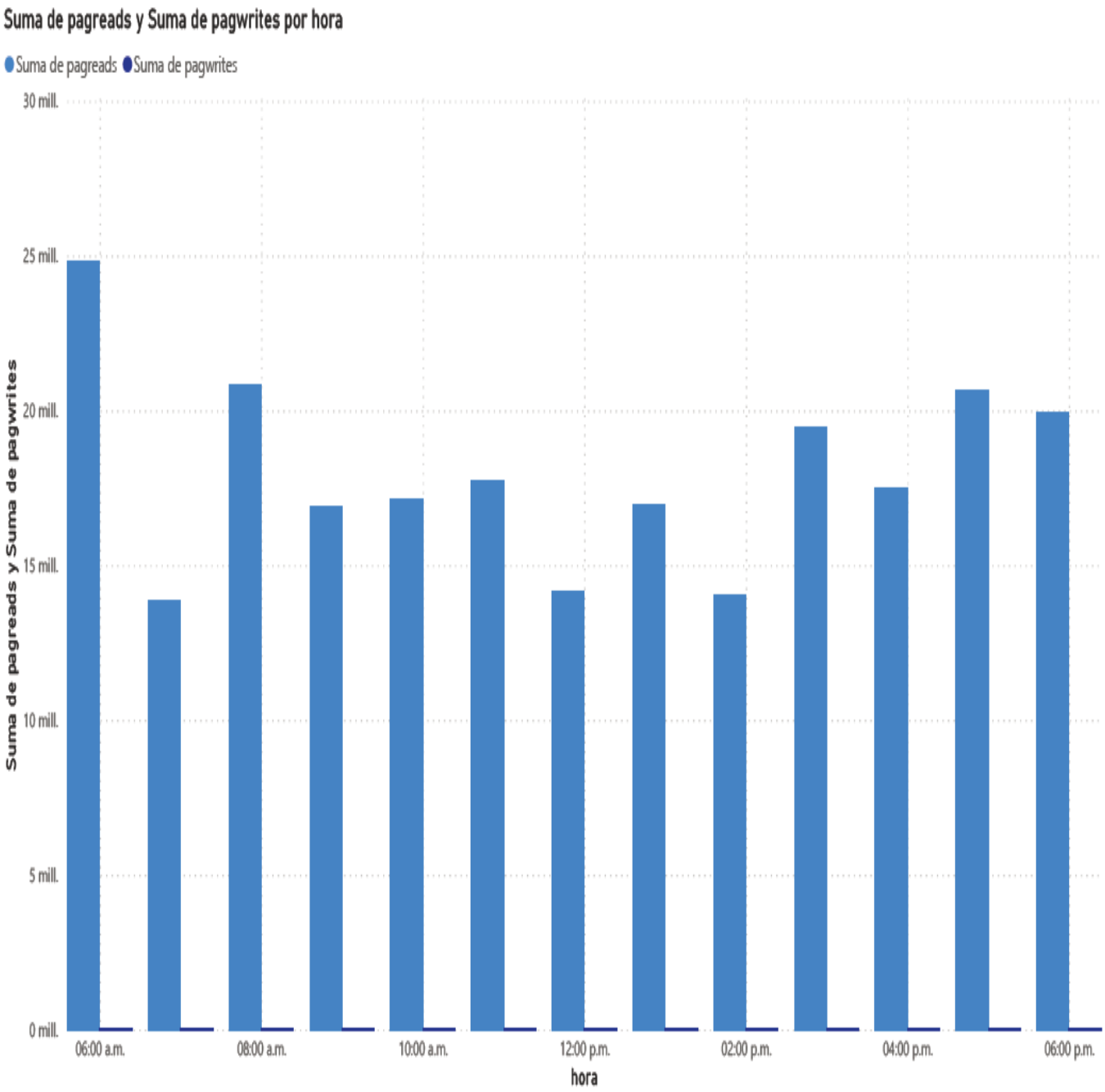
Contrato 11 - 2023



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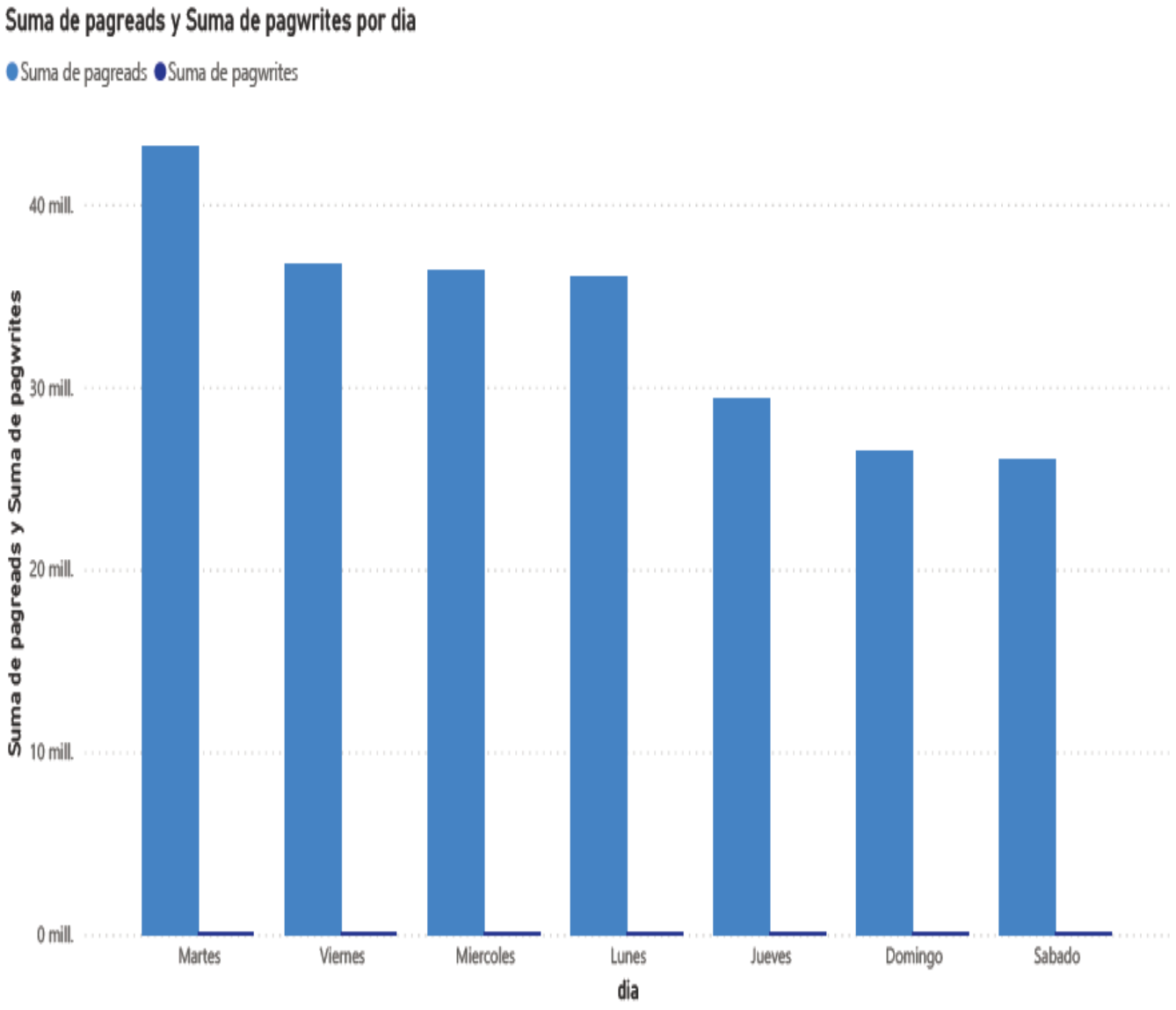
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REPORTE DE SERVICIO

Contrato 11 - 2023

Actividad #: 3	**Monitoreo de servidor web / php servidor eliseo.defensoria.org.co**

- Se encuentran Instalados 2 php, apache2 (puerto 80) y apache3 (puerto 81)

```
[root@eliseo ~]# netstat -anltp | grep LISTEN | grep httpd
tcp        0      0 :::80                   :::*                    LISTEN      310/httpd
tcp        0      0 :::81                   :::*                    LISTEN      425/httpd
[root@eliseo ~]#
```

- Memoria, se tienen 62Gb de memoria, de las cuales solo se usan 9Gb

```
[root@eliseo local]# free -g
             total       used       free     shared    buffers     cached
Mem:            62          9         53          0          0          4
-/+ buffers/cache:          4         58
Swap:           25          0         25
[root@eliseo local]#
```

- Procesos apache2 en horas pico 900
- Procesos apache3 en horas pico 100
- Límites de usuarios

```
[root@eliseo conf]# cat /etc/security/limits.d/90-nproc.conf
# Default limit for number of user's processes to prevent
# accidental fork bombs.
# See rhbz #432903 for reasoning.

*          soft    nproc     1024
[root@eliseo conf]#
```

```
root       soft    nofile   10000
root       hard    nofile   30000
*          soft    nofile   100000
*          hard    nofile   300000
```

- Configuración de apache
  - Prefork

```
<IfModule prefork.c>
StartServers 10
#   Este era el que estaba al dia    8  Marzo  2022
MinSpareServers 10
MaxSpareServers 15
ServerLimit 1024
MaxClients 1024



#StartServers  40
#MinSpareServers 30
#MaxSpareServers 50
#ServerLimit 1024
#MaxClients 1024


#Se dejo este  que no estaba el  8 de  Marzo

MaxRequestsPerChild 6000



##StartServers 8
#StartServers  10
##MinSpareServers 5
#MaxSpareServers 30
##MaxSpareServers 20
##ServerLimit 1000
##ServerLimit  2400
##MaxClients   2000
##MaxClients   500

#MaxRequestsPerChld 400
#ThreadsPerChild 100

# aca para abajo se tenia

#StartServers       16
#MinSpareServers    16
#MaxSpareServers   20
#ServerLimit      2050
#MaxClients       2000
#MaxRequestsPerChild  1000
</IfModule>
```

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- Número de cores

```
[root@eliseo conf]# nproc
24
[root@eliseo conf]#
```

- Uso de CPU Load average

```
top - 17:56:02 up 10:56,  5 users,  load average: 0.05, 0.08, 0.08
Tasks: 888 total,   1 running, 886 sleeping,   0 stopped,   1 zombie
Cpu(s):  1.4%us,  0.3%sy,  0.0%ni, 98.3%id,  0.0%wa,  0.0%hi,  0.0%si,  0.0%st
Mem:  65961616k total, 10796416k used, 55165200k free,   451364k buffers
Swap: 26791928k total,        0k used, 26791928k free,  5167932k cached
```

- Tamaño del proceso apache promedio 22 megas

```
Memory :  65,961,616 kB
a apache memory  : 14,390 kB
MaxClients  4583

If
  Memory  1G :  maxClients  71
  Memory  2G :  maxClients  142
  Memory  4G :  maxClients  284
  Memory  6G :  maxClients  426
  Memory  8G :  maxClients  569
  Memory 12G :  maxClients  853
  Memory 16G :  maxClients  1138
[root@eliseo root]#
```

- Tamaño de logs

```
-rw-r--r-- 1 root root 2.0G Aug  1  2022 access_julio_log
-rw-r--r-- 1 root root  26M Aug  1  2022 error_julio_log
-rw-r--r-- 1 root root  56M Oct 19  2022 apache2_ibm_log
-rw-r--r-- 1 root root 107M Jul 25 16:00 20230725.log
-rw-r--r-- 1 root root 4.0G Jul 25 17:23 access_log.20230725.1730
```

- Tiempos de respuesta

Estas son las peticiones a la aplicación con tiempos de respuesta promedio mayores a 10 segundos

URL	Promedio de Tiempo
GET /visionweb/dp/registro/info_resultadobus_alertas.php	1,100
POST /visionweb/dp/reparto/reporte_reparto.php	716
POST /visionweb/dp/control/reporte_direccionar_g.php	633
POST /visionweb/cac2/citas/rep_especialista.php	444
GET /visionweb/cac2/regional_remitido_penal.php	396
POST /visionweb/pyd/reportes/rep_dependencia_nac_todas.php	365
POST /visionweb/raj/reportes/reporte_activos.php	353
GET /visionweb/cac2/con_precon1.php	342
POST /visionweb/dp/gestion/reporte_direccionar_g.php	334
POST /visionweb/dp/gestion/info_puni_g.php	286
GET /visionweb/cac2/citas/citas_victimas.php	265
GET /visionweb/raj/recepcion/radicado_corte.php	241
POST /visionweb/raj/reportes/accion_por_derecho_reg.php	238
GET /visionweb/dp/gestion/ges_por_defensor.php	230
GET /visionweb/cac2/citas/citas_consultorio.php	230
GET /visionweb/dp/control/control_actividades.php	226
GET /visionweb/cac2/regional_remitido_penal.php	218
GET /visionweb/cac2/citas/citas_asesor.php	213
POST /visionweb/raj/reportes/acciones_por_asesor1.php	204
POST /visionweb/dp/registro/datosjur_update.php	201
POST /visionweb/cac2/citas/mensual_gestion_fec.php	192
GET /visionweb/pendientes.php	182
POST /visionweb/cac2/peticionarios_rup.php	171
GET /visionweb/dp/gestion/ges_suspenso_defensor.php	154
GET /visionweb/cac2/citas/especialista_pendi.php	153
GET /visionweb/dp/gestion/ges_por_defensor.php	151
GET /visionweb/raj/consultas/recepcion_consulta.php	134

GET /visionweb/dp/gestion/ges_defensor_inicial_np.php	130	
GET /visionweb/dp/gestion/ges_defensor_inicial.php	126	
GET /visionweb/cac2/citas/ficha_soc1.php	120	
GET /visionweb/cac2/citas/especialista.php	119	
GET /visionweb/dp/control/por_finalizar_alertas.php	117	
POST /visionweb/raj/control/reporte_direccionar_g.php	116	
GET /visionweb/pyd/gestion/gestion_cierre.php	115	
GET /visionweb/cac2/citas/citas_consultorio.php	114	
POST /visionweb/cac2/con_precon1.php	112	
GET /visionweb/dp/registro/rce_modifica_delito.php	111	
POST /visionweb/cac2/estadisticas_pqrsfd.php	107	
GET /visionweb/dp/gestion/ges_suspenso_defensor.php	106	
POST /visionweb/dp/reparto/main_repamanual.php	106	
GET /visionweb/cac2/top_logo.php	105	
POST /visionweb/dp/control/supervision_resultadobus.php	99	
GET /visionweb/dp/control/control_inactivos.php	97	
GET /visionweb/cac2/adjuntos/64beb686bfcac.pdf	95	
GET /visionweb/dp/gestion/ges_periodico_suspenso.php	93	
POST /visionweb/dp/registro/info_resultadobus.php	92	
POST /visionweb/cac2/citas/rep_petic.php	92	
GET /visionweb/pyd/gestion/gestion_inicial.php	92	
GET /visionweb/raj/gestion/gestion_inicial.php	88	
GET /visionweb/cac2/citas/mensual_gestion_fec.php	84	
GET /visionweb/pyd/gestion/gestion_inicial.php	82	
GET /visionweb/dp/menu_izq_12.php	81	
GET /visionweb/dp/sustituciones/sustituciones_alerta.php	77	
GET /visionweb/cac2/citas/cancela_cita.php	77	
GET /visionweb/pyd/gestion/gestion.php	77	
POST /visionweb/cac2/web_insercion.php	76	
GET /visionweb/raprag/gestion/gestion_popular.php	76	
POST /visionweb/dp/consultas/info_resultadobus.php	74	
GET /visionweb/cac2/citas/citas_preconsulta.php	74	

GET /visionweb/dp/menu_izq_6.php	69	
GET /visionweb/dp/sustituciones/sustituciones_otraregional.php	67	
GET /visionweb/dp/registro/info_datosjur_penal.php	67	
GET /visionweb/cac2/citas/rep_reportes2.php	66	
GET /visionweb/dp/consultas/info_resultadobus.php	64	
POST /visionweb/dp/consultas/info_resultadobus.php	64	
POST /visionweb/cac2/citas/inser_casas.php	62	
POST /visionweb/cac2/citas/esp_consulta1.php	61	
GET /visionweb/dp/gestion/ges_periodico_defensor.php	59	
POST /visionweb/dp/registro/info_bensol.php	59	
GET /visionweb/raj/recepcion/reporte_recepcion.php	59	
POST /visionweb/cac2/web_insercion_ninos.php	58	
POST /visionweb/cac2/descentralizados.php	58	
POST /visionweb/cac2/citas/consulta_r.php	57	
POST /visionweb/dp/control/inf_supervision_v10.php	54	
POST /visionweb/dp/gestion/gestion_new_update.php	54	
GET /visionweb/pyd/consultas/recepcion_consulta.php	53	
GET /visionweb/cac2/citas/modifi_citas.php	50	
GET /visionweb/cac2/top_logo_v.php	50	
POST /visionweb/dp/gestion/inicial_update.php	49	
POST /visionweb/dp/gestion/ges_actuacion_update_np.php	49	
POST /visionweb/pyd/gestion/info_result_radicado.php	48	
POST /visionweb/raprag/consulta/consulta1_rap.php	48	
GET /visionweb/dp/gestion/reporte_direccionar_g.php	48	
POST /visionweb/dp/gestion/reportes.php	47	
POST /visionweb/rap/consul_edicion.php	46	
GET /visionweb/login.php	46	
POST /visionweb/dp/manten/registro_reactiva.php	45	
POST /visionweb/cac2/citas/rep_ficha_soc.php	45	
GET /visionweb/dp/gestion/ges_periodico_defensor_np.php	45	
GET /visionweb/raj/reparto/reparto.php	44	
GET /visionweb/cac2/citas/citas_defensor.php	44	

POST /visionweb/dp/gestion/actuacion_insert_np.php	43	
POST /visionweb/dp/gestion/actuacion_update_np.php	42	
GET /visionweb/dp/gestion/reportes.php	42	
GET /visionweb/dp/control/por_finalizar.php	42	
GET /visionweb/pyd/consultas/gestion_actividades.php	42	
GET /visionweb/cac2/citas/rep_ficha_soc.php	41	
POST /visionweb/dp/gestion/ges_periodico_suspenso.php	41	
GET /visionweb/dp/control/supervision_busqueda.php	41	
POST /visionweb/dp/registro/info_datosjur_penal.php	40	
GET /visionweb/login.php	40	
GET /visionweb/dp/gestion/ges_por_defensor_nuevos.php	40	
GET /visionweb/raj/gestion/recibir_caso.php	40	
GET /visionweb/cac2/control_reporte_est.php	40	
GET /visionweb/pyd/gestion/recibir_actividad.php	39	
POST /visionweb/cac2/citas/citas_espe_fec.php	39	
GET /visionweb/cac2/adjuntos/64add8574510b.pdf	39	
GET /visionweb/dp/menu_izq_9.php	38	
POST /visionweb/dp/gestion/ges_periodico_defensor.php	38	
GET /visionweb/cac2/control_consultas.php	37	
GET /visionweb/cac2/menu_izq_5.php	37	
GET /visionweb/dp/consultas/info_busqueda.php	37	
GET /visionweb/dp/reparto/main_repamanual.php	36	
GET /visionweb/dp/reparto/main_repamanual.php	35	
GET /visionweb/cac2/control_gestion.php	35	
GET /visionweb/dp/menu_izq_2.php	34	
GET /visionweb/cac2/citas/externas_defensor.php	34	
POST /visionweb/dp/gestion/actuacion_insert.php	33	
GET /visionweb/cac2/menu_izq_6.php	32	
GET /visionweb/raj/consultas/info_busqueda.php	32	
POST /visionweb/cac2/insercion_orfeo.php	31	
GET /visionweb/cac2/menu_izq_9.php	31	
GET /visionweb/dp/sustituciones/sustituciones.php	30	

POST /visionweb/dp/gestion/gestion_fin_update_suspenso.php	30	
GET /visionweb/cac2/citas/inserta_cita.php	30	
GET /visionweb/rap/gg/src/Examples/graf_hechos.php	30	
GET /visionweb/pyd/reportes/reportes_pyd.php	30	
GET /visionweb/cac2/citas/asigna_citas.php	30	
GET /visionweb/dp/gestion/reportes.php	30	
GET /visionweb/raprag/gestion/gestion_popular.php	30	
POST /visionweb/dp/consultas/info_busqueda.php	29	
POST /visionweb/dp/gestion/actuacion_delete_suspenso.php	29	
POST /visionweb/dp/gestion/diagnostico_update.php	29	
GET /visionweb/dp/control/inf_supervision_v10.php	29	
GET /visionweb/pyd/gestion/gestion_divulgacion.php	28	
POST /visionweb/cac2/citas/rep_consul_espec1.php	28	
GET /visionweb/cac2/control_recibo.php	27	
POST /visionweb/dp/manten/registro_defensor.php	27	
GET /visionweb/raj/gestion/gestion_inicial.php	27	
POST /visionweb/dp/gestion/actuacion_delete.php	27	
GET /visionweb/cac2/citas/ingre_especialista.php	27	
GET /visionweb/cac2/control_reportes.php	25	
POST /visionweb/dp/gestion/actuacion_delete_np.php	25	
GET /visionweb/cac2/citas/ficha_soc.php	25	
GET /visionweb/cac2/citas/rep_reportes.php	25	
GET /visionweb/cac2/regional_remitido.php	24	
POST /visionweb/dp/gestion/gestion_fin_update.php	24	
POST /visionweb/cac2/regional_preconsulta.php	23	
GET /visionweb/raj/gestion/gestion_asesoria.php	23	
GET /visionweb/cac2/citas/ingre_especialista.php	23	
GET /visionweb/cac2/citas/ficha_soc_pendi.php	23	
POST /visionweb/cac2/espe_pendiente.php	23	
POST /visionweb/raj/recepcion/recepcion.php	22	
GET /visionweb/pyd/recepcion/recepcion_consulta.php	21	
POST /visionweb/raj/gestion/inser_asesoria.php	21	

POST /visionweb/dp/control/ges_formal.php	20	
POST /visionweb/dp/gestion/actualiza_rinp.php	19	
GET /visionweb/pyd/gestion/gestion_plan.php	19	
POST /visionweb/pyd/consultas/info_resultadobus.php	19	
POST /visionweb/cac2/regional_penal.php	19	
GET /visionweb/cac2/consulta_peti.php	19	
POST /visionweb/cac2/consultorio_jur.php	18	
GET /visionweb/cac2/citas/inserta_cita2.php	17	
GET /visionweb/cac2/preconsulta.php	17	
GET /visionweb/cac2/citas/web_recibir_gran.php	17	
GET /visionweb/pyd/recepcion/reporte_recepcion.php	17	
POST /visionweb/raj/recepcion/actualiza.php	17	
POST /visionweb/verificacion.php	16	
GET /visionweb/raj/control/ges_formal.php	16	
GET /visionweb/cac2/menu_izq_2.php	16	
GET /visionweb/cac2/citas/asigna_citasmodif.php	16	
GET /visionweb/dp/control/inf_supervision_v9.php	16	
GET /visionweb/dp/control/ges_formal.php	15	
GET /visionweb/cac2/citas/citas_preconsulta.php	15	
GET /visionweb/dp/consultas/ges_periodico_ctrl.php	15	
GET /visionweb/pyd/gestion/gestion_cierre_divulg.php	15	
POST /visionweb/cac2/citas/asigna_citas.php	15	
GET /visionweb/cac2/con_modifica1.php	15	
GET /visionweb/pyd/gestion/gestion_informe_divulg.php	15	
POST /visionweb/rap/repor_tema2.php	14	
GET /visionweb/raj/reparto/reparto.php	14	
GET /visionweb/f_top.php	14	
GET /visionweb/pyd/recepcion/recepcion.php	14	
GET /visionweb/f_middle.php	13	
GET /visionweb/dp/sustituciones/sustituciones_otraunidad.php	13	
GET /visionweb/cac2/citas/rep_consul_espec2.php	12	
GET /visionweb/cac2/web_juana.php	12	

GET /visionweb/pyd/gestion/gestion_informe.php	12
GET /visionweb/cac2/con_modif.php	12
GET /visionweb/pyd/consultas/info_busqueda.php	12
GET /visionweb/cac2/citas/inserta_cita.php	11
GET /visionweb/dp/menu_izq_5.php	11
POST /visionweb/dp/manten/info_usu_registro.php	11
GET /visionweb/cac2/citas/busca_citas1.php	11
GET /visionweb/dp/registro/recepcion_nuevo.php	11
GET /visionweb/cac2/preconsulta_orfeo.php	11
POST /visionweb/dp/gestion/suspenso_insert.php	11
GET /visionweb/cac2/citas/modifi_citas.php	10
POST /visionweb/pyd/gestion/inser_cierre.php	10

La versión de php que se tiene actualmente (5.1) está muy desactualizada y tiene problemas de desempeño y uso de memoria, no permite usar herramientas de profiling que permitan detectar cuellos de botella.

Se sugiere migrar a php 7 u 8, ya que es una versión más estable, más segura, con mejor desempeño, menor uso de memoria y soporte nativo de 64 bits.

Performance –

The performance of PHP 7 and PHP 5 is a major difference. Supposing that you have written a PHP code in PHP 5, if you run the same code in both the versions, the performance of PHP 7 will be significantly higher than PHP 5. PHP is powered by Zend engine even since the release of PHP 4. PHP 5 uses Zend II but PHP 7 uses a brand new model of engine called PHP-NG or Next Generation. This new PHPNG engine improves the performance as much as twice with optimized memory usage. This has been proved by the benchmark provided by the company. As a matter of fact, the new engine requires fewer servers to serve the same number of users as before.

REPORTE DE SERVICIO

Contrato 11 - 2023

Actividad #: 4	Monitoreo de Servidor 172.31.75.146 (vision_web) y SO

```
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.92    0.00    0.08       44.74    0.00   54.26
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           1.00    0.00    0.04       36.37    0.00   62.59
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.96    0.00    0.13       43.78    0.00   55.14
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.84    0.00    0.04       44.76    0.00   54.36
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           1.29    0.00    0.08       44.36    0.00   54.26
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           3.63    0.00    0.13       34.84    0.00   61.40
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.83    0.00    0.08       21.36    0.00   77.72
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.79    0.00    0.13       19.95    0.00   79.13
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           1.25    0.00    0.08       19.48    0.00   79.18
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.96    0.00    0.13       19.87    0.00   79.05


10:45:17 AM  CPU    %usr   %nice    %sys         %iowait    %irq   %soft  %steal  %guest   %idle
10:45:18 AM  all    2.38       0.00    0.13      28.62    0.00    0.04    0.00    0.00   68.84
10:45:19 AM  all    2.34       0.00    0.08       29.45    0.00    0.00    0.00    0.00   68.13
10:45:20 AM  all    1.76       0.00    0.08      29.40    0.00    0.04    0.00    0.00   68.72
10:45:21 AM  all    2.54       0.00    0.13      29.87    0.00    0.04    0.00    0.00   67.42
10:45:22 AM  all    2.80       0.00    0.13      28.77    0.00    0.04    0.00    0.00   68.27
10:45:23 AM  all    2.42       0.00    0.13       34.39    0.00    0.00    0.00    0.00   63.06
10:45:24 AM  all    1.63       0.00    0.08      33.65    0.00    0.04    0.00    0.00   64.59
10:45:25 AM  all    1.04       0.00    0.08      25.18    0.00    0.00    0.00    0.00   73.70
10:45:26 AM  all    1.38       0.00    0.04      27.31    0.00    0.00    0.00    0.00   71.27
10:45:27 AM  all    1.34       0.00    0.13      27.50    0.00    0.04    0.00    0.00   70.99
10:45:28 AM  all    2.29       0.00    0.17      25.32    0.00    0.04    0.00    0.00   72.17
10:45:29 AM  all    1.59       0.00    0.17      26.79    0.00    0.00    0.00    0.00   71.46
10:45:30 AM  all    1.96       0.00    0.21      26.81    0.00    0.04    0.00    0.00   70.98
10:45:31 AM  all    1.21       0.00    0.13      27.87    0.00    0.00    0.00    0.00   70.80
10:45:32 AM  all    1.30       0.00    0.13      27.16    0.00    0.00    0.00    0.00   71.42
10:45:33 AM  all    1.38       0.00    0.08      27.62    0.00    0.04    0.00    0.00   70.88
10:45:34 AM  all    1.71       0.00    0.08      27.36    0.00    0.00    0.00    0.00   70.84
10:45:35 AM  all    2.55       0.00    0.08      27.05    0.00    0.04    0.00    0.00   70.28
10:45:36 AM  all    1.46       0.00    0.13      27.93    0.00    0.00    0.00    0.00   70.48
10:45:37 AM  all    1.21       0.00    0.08      26.88    0.00    0.04    0.00    0.00   71.79
10:45:38 AM  all    1.67       0.00    0.08      25.69    0.00    0.00    0.00    0.00   72.56
10:45:39 AM  all    3.09       0.00    0.13       23.50    0.00    0.04    0.00    0.00   73.25
10:45:40 AM  all    1.71       0.00    0.04      23.90    0.00    0.00    0.00    0.00   74.34
10:45:41 AM  all    1.21       0.00    0.13      23.61    0.00    0.04    0.00    0.00   75.01
```

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```
[informix@elias]$ time mkdir prueba
real    1m7.732s
user    0m0.000s
sys     0m0.002s
[informix@elias]$ time rmdir prueba
real    0m46.027s
user    0m0.000s
sys     0m0.001s
[informix@elias .ayg]$

[informix@elias]$ time cp ../otroar .
real    0m36.028s
user    0m0.000s
sys     0m0.001s
```

Se evidencian problemas de I/O y contención a nivel de sistema operativo (discos). Estos problemas afectan la base de datos y las aplicaciones.

```
Critical Sections                    Physical Log    Logical Log
        Clock                          Total Flush Block #     Ckpt  Wait  Long  # Dirty  Dskflu Total   Avg   Total   Avg
Interval  Time          Trigger              LSN          Time  Time  Time  Waits  Time  Time  Time  Buffers  /Sec   Pages   /Sec  Pages
/Sec
971896    09:11:07 CKPTINTVL 576:0x48fa018    23.5  5.5   0.0   2     0.0   3.7   4.5   512     92     3008    9     2       0
971897    09:16:23 CKPTINTVL 576:0x48fc018    16.8  2.4   0.0   2     0.0   0.3   0.4   393     166    2309    7     2       0
971898    09:21:49 CKPTINTVL 576:0x48fe018    26.0  11.8  0.0   1     0.0   3.6   3.6   494     41     2654    8     20      0
971899    09:27:33 CKPTINTVL 576:0x4912018    44.5  15.8  0.0   3     0.0   2.8   4.4   647     40     3127    9     20      0
971900    09:32:50 CKPTINTVL 576:0x4914018    47.2  11.7  0.0   1     0.0   0.2   0.2   598     51     3466    11    2       0
971901    09:37:59 CKPTINTVL 576:0x498d018    39.3  11.7  0.0   0     0.0   0.0   0.0   995     84     3864    12    121     0
971902    09:44:45 CKPTINTVL 576:0x498f018    27.3  7.3   0.0   3     0.3   2.5   4.5   535     72     3108    10    2       0
971903    09:53:25 CKPTINTVL 576:0x4991018    339.0 321.5 0.0   2     0.0   2.7   3.6   587     1      3344    10    215     0
971904    09:54:57 CKPTINTVL 576:0x4a8c7dc    62.7  44.9  0.0   3     0.0   2.1   2.6   864     19     2972    8     255     0
971905    10:00:39 CKPTINTVL 576:0x4a92018    72.2  69.8  0.0   1     0.0   0.6   0.6   374     5      1826    5     5       0
971906    10:05:06 CKPTINTVL 576:0x4adf018    27.7  10.8  0.0   1     0.0   5.1   5.1   697     64     2358    7     77      0
971907    10:10:23 CKPTINTVL 576:0x4c46550    17.2  5.4   0.0   2     0.0   2.4   4.4   558     103    2889    8     359     1
971908    10:15:33 CKPTINTVL 576:0x4c94798    10.8  5.3   0.0   2     0.0   1.6   2.0   784     147    3537    11    78      0
971909    10:21:03 CKPTINTVL 576:0x4d4e018    29.0  7.1   0.0   2     0.3   2.0   3.5   793     112    2523    8     186     0
971910    10:27:02 CKPTINTVL 576:0x4d5e018    59.1  43.3  0.0   0     0.0   0.0   0.0   575     13     3110    9     16      0
971911    10:31:55 CKPTINTVL 576:0x4d60018    23.5  7.5   0.0   2     0.0   2.4   2.9   358     47     2104    6     2       0
971912    10:39:41 CKPTINTVL 576:0x4d95018    166.6 0.0   0.0   16    165.7 62.7  157.4 244     244    2257    4     53      0
971913    10:39:42 *User      576:0x4d97018    0.4   0.0   0.0   1     0.0   0.4   0.4   72      72     731     731   2       2
971914    10:45:21 CKPTINTVL 577:0x5018       10.8  5.4   0.0   4     0.0   2.1   3.9   606     112    1498    4     8       0
971915    10:50:41 CKPTINTVL 577:0x19018      20.0  4.4   0.0   0     0.0   0.0   0.0   427     96     1997    6     20      0
Max Plog      Max Llog      Max Dskflush   Avg Dskflush   Avg Dirty     Blocked
pages/sec     pages/sec     Time           pages/sec      pages/sec     Time
10240         1280          321            346            0             0


AUTO_CKPTS=On   RTO_SERVER_RESTART=Off
                                                Critical Sections                    Physical Log    Logical Log
        Clock                                 Total Flush Block #     Ckpt  Wait  Long  # Dirty  Dskflu Total   Avg   Total   Avg
Interval  Time     Trigger   LSN                    Time  Time  Time  Waits  Time  Time  Time  Buffers  /Sec   Pages   /Sec  Pages   /Sec
972178    09:20:56 CKPTINTVL 578:0x46a4018    27.9  6.8   0.0   2     0.0   0.6   1.1   805     119    3408    10    2       0
972179    09:27:19 CKPTINTVL 578:0x46bd018    121.1 110.8 0.0   0     0.0   0.0   0.0   508     4      2751    8     25      0
972180    09:31:13 CKPTINTVL 578:0x46bf018    90.1  72.4  0.0   2     0.0   2.4   3.2   586     8      2585    7     2       0
972181    09:37:38 CKPTINTVL 578:0x46c1018    205.4 202.0 0.0   1     0.0   0.6   0.6   635     3      2306    7     32      0
972182    09:40:35 CKPTINTVL 578:0x4743018    57.0  47.6  0.0   1     0.0   4.1   4.1   859     18     2137    6     130     0
972183    09:45:59 CKPTINTVL 578:0x4745018    54.0  42.6  0.0   0     0.0   0.0   0.0   592     13     1683    5     2       0
```


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972184	09:51:42	CKPTINTVL	578:0x4747018	73.3	61.7	0.0	2	0.0	2.1	3.1	803	13	2169	6	5	0
972185	09:57:53	CKPTINTVL	578:0x475641c	131.2	87.7	0.0	7	32.9	22.8	37.8	553	6	2299	6	15	0
972186	10:05:47	CKPTINTVL	578:0x4799538	264.6	252.8	0.0	2	1.2	26.0	47.6	599	2	1720	5	67	0
972187	10:09:36	CKPTINTVL	578:0x47ab3b8	169.9	103.1	0.0	15	62.7	41.0	65.2	455	4	1856	4	18	0
972188	10:16:01	CKPTINTVL	578:0x48290b8	175.1	154.8	0.0	2	2.7	18.0	27.7	777	5	2560	7	126	0
972189	10:20:42	CKPTINTVL	578:0x484d4dc	122.0	114.6	0.0	4	5.1	8.6	17.3	437	3	1687	5	36	0
972190	10:23:52	CKPTINTVL	578:0x48a7018	10.4	0.0	0.0	3	0.0	5.3	6.4	644	644	2372	7	90	0
972191	10:29:30	CKPTINTVL	578:0x48a9018	38.9	11.3	0.0	0	0.0	0.0	0.0	594	52	2992	9	2	0
972192	10:34:09	CKPTINTVL	578:0x48ab018	9.7	3.5	0.0	3	0.2	0.8	1.3	435	125	2581	8	47	0
972193	10:39:54	CKPTINTVL	578:0x48e5018	45.5	28.2	0.0	2	0.2	3.8	3.8	959	34	2940	9	58	0
972194	10:44:58	CKPTINTVL	578:0x48e7018	34.1	18.7	0.0	1	0.0	5.2	5.2	436	23	2406	7	2	0
972195	10:50:12	CKPTINTVL	578:0x48e9018	14.1	13.6	0.0	0	0.0	0.0	0.0	441	32	1525	4	2	0
972196	10:55:36	CKPTINTVL	578:0x48eb018	24.4	13.9	0.0	1	0.0	1.0	1.0	350	25	1425	4	2	0
972197	11:02:04	CKPTINTVL	578:0x4958074	29.3	12.0	0.0	4	0.0	4.7	6.3	621	51	1862	5	109	0

5325cdc8	B--PR-- 145939	usuprodw -	3c3374d98	0	1	5016	0
5326dff0	B--PR-- 145015	usuprodw -	3c46dd7b8	0	1	43120	0
68de9538	B--PR-- 144258	usuprodw -	3c338e518	0	1	6624	0
68dec170	B--PR-- 146343	usuprodw -	3c4482658	0	1	1756	0
68df7250	B--PR-- 146114	usuprodw -	3c4a688d8	0	1	2584	0
68dfa760	B--PR-- 146222	usuprodw -	3c3f7adb8	0	1	672	0
68e158b8	B--PR-- 144634	usuprodw -	3c388ae18	0	1	128	0
68e1b128	B--PR-- 146850	usuprodw -	3c36784b8	0	1	0	0
96e2be10	B--PR-- 146845	usuprodw -	3c36784b8	0	1	0	0
96e39250	B--PR-- 144816	usuprodw -	3c338e518	0	1	3052	0
96e43180	B--PR-- 141902	usuprodw -	3c3df30f8	0	1	4060	0
96e454e0	B--PR-- 143114	usuprodw -	3c338e518	0	1	10068	0
96e4eb38	B--PR-- 145420	usuprodw -	3c46dd7b8	0	1	43744	0
94525320	B--PR-- 146084	usuprodw -	3c3f7adb8	0	1	2244	0
9452d7c8	B--PR-- 141442	usuprodw -	3c4eaa0b8	0	1	2352	0
9452e978	B--PR-- 146266	usuprodw -	3c2f09718	0	1	1984	0
532551f8	B--PR-- 145991	usuprodw -	3c4dea858	0	1	4044	0
5325b340	B--PR-- 144529	usuprodw -	3c4e735b8	0	1	12174	0
5326b3b8	B--PR-- 141849	usuprodw -	3c4be0f58	0	1	15412	0
5326dff0	B--PR-- 145015	usuprodw -	3c4e95c58	0	1	43120	0
68de9538	B--PR-- 144258	usuprodw -	3c4f1e918	0	1	6624	0
68dec170	B--PR-- 146343	usuprodw -	3c4afcf38	0	1	1772	0
68dfa760	B--PR-- 146222	usuprodw -	3c40ea3d8	0	1	672	0
68e10048	B--PR-- 143543	usuprodw -	3c5071e78	0	1	11192	0
68e158b8	B--PR-- 144634	usuprodw -	3c3ff00b8	0	1	128	0
68e1b128	B--PR-- 146850	usuprodw -	3c5242bf8	0	1	0	0
96e2be10	B--PR-- 146845	usuprodw -	3c5242bf8	0	1	0	0
96e39250	B--PR-- 144816	usuprodw -	3c4f1e918	0	1	3052	0
96e43180	B--PR-- 141902	usuprodw -	3c42b3c78	0	1	4060	0
96e4eb38	B--PR-- 145420	usuprodw -	3c4e95c58	0	1	43744	0
94525320	B--PR-- 146084	usuprodw -	3c40ea3d8	0	1	2244	0
9452d7c8	B--PR-- 141442	usuprodw -	3c53cb998	0	1	2352	0
9452e978	B--PR-- 146266	usuprodw -	3c4018338	0	1	1984	0
94535398	B--PR-- 145936	usuprodw -	3c4745278	0	1	4944	0

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REPORTE DE SERVICIO

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IBM Informix Dynamic Server Version 12.10.FC9 -- On-Line -- Up 08:56:26 -- 18398204 Kbytes
Profile

dskreads	pagreads	bufreads	%cached	dskwrits	pagwrits	bufwrits	%cached
3458663	73700573	108689505	96.95	8161	53104	33065	75.32

isamtot	open	start	read	write	rewrite	delete	commit	rollbk
599144332	665859	270084	31629229	75798	2066	486	1014	0

gp_read	gp_write	gp_rewrt	gp_del	gp_alloc	gp_free	gp_curs
0	0	0	0	0	0	0

ovlock	ovuserthread	ovbuff	usercpu	syscpu	numckpts	flushes
0	0	0	997.42	69.60	12	39

bufwaits	lokwaits	lockreqs	deadlks	dltouts	ckpwaits	compress	seqscans
145335	0	31352246	0	0	32	822	67888

ixda-RA	idx-RA	da-RA	logrec-RA	RA-pgsused	lchwaits
6002846	121384	79073	0	2102698	13491

Se evidencian problemas de esperas y tiempos largos de escruitura y soincronizacion entre memoria y disco de la base de datos. Posible error de I/O y contención de discos

81106	60ad1aa8	68dfd398	3	ready	9cpu	readahead_3
97480	6a493d18	96e416f8	3	ready	1cpu	readahead_4
102954	8b8a0028	53262638	3	ready	1cpu	readahead_5
103214	979f9178	68e08478	3	ready	1cpu	readahead_6
103612	a9b7a028	53252e98	3	ready	1cpu	readahead_7
107665	60a29028	53257e30	3	ready	9cpu	readahead_8
125342	7b8c2568	68dfdc70	3	ready	8cpu	readahead_9
150228	6bc5c610	96e505c0	3	ready	1cpu	readahead_10
150337	5c171808	94544260	3	ready	1cpu	readahead_11
151316	82a75a00	68df1108	1	ready	1cpu	sqlexec
151322	5e9924c0	68e0cb38	1	ready	8cpu	sqlexec
151326	636292c8	68df7250	1	ready	8cpu	sqlexec
151332	6d009380	96e6c8c8	1	ready	8cpu	sqlexec
151357	81895220	9452d7c8	1	ready	9cpu	sqlexec
151400	6e00c568	96e34b90	1	ready	8cpu	sqlexec
151567	60ec2428	96e5da00	1	ready	8cpu	sqlexec
151570	61de76b8	68dfcac0	1	ready	8cpu	sqlexec
151578	84cdf178	94536e20	1	ready	8cpu	sqlexec
151640	6e00c220	9452a2b8	1	ready	8cpu	sqlexec
151651	5cbeebf8	94520388	1	ready	1cpu	sqlexec
151656	60a6a610	5325e850	1	ready	10cpu	sqlexec
151666	55b424c0	96e55558	1	ready	8cpu	sqlexec
151678	5e418568	5326ce40	1	ready	8cpu	sqlexec
151688	69e73028	96e30da8	1	ready	8cpu	sqlexec
151704	a7576028	96e2b538	1	ready	8cpu	sqlexec
151748	5e1b4028	68e069f0	1	ready	8cpu	sqlexec
151756	8041a028	945388a8	1	ready	8cpu	sqlexec
151760	69c03028	68e1ef10	1	ready	8cpu	sqlexec
151768	62365748	96e655d0	1	ready	9cpu	sqlexec
151782	9560e808	68df57c8	1	ready	8cpu	sqlexec

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151828	9c94a418	68de9e10	1	ready	8cpu	sqlexec
151885	6f472028	53242e20	1	ready	8cpu	sqlexec
151914	6cd50aa8	94540d50	1	ready	8cpu	sqlexec
151923	77b7a4c0	5326aae0	1	ready	8cpu	sqlexec
151947	5d4beaa8	53270350	1	ready	10cpu	sqlexec
151956	6f8512c8	5325df78	1	ready	10cpu	sqlexec
151963	705eb898	53243fd0	1	ready	8cpu	sqlexec
152000	93e73808	532401e8	1	ready	9cpu	sqlexec
152016	66b21178	94521538	1	ready	10cpu	sqlexec
152033	81a8bb40	68e0b0b0	1	ready	10cpu	sqlexec
152038	633f20d0	94543988	1	ready	1cpu	sqlexec
152041	5faf8178	9453a330	1	ready	1cpu	sqlexec
152045	943e8bf8	5325a190	1	ready	1cpu	sqlexec

Largas listas de espera en la base de datos. Significa que cada proceso esta esperando por recurso, posiblemnte I/O

Last 20 Sessions Terminated

Ses ID	Username	Hostname	PID	Time	Reason
107677	usuprodweb	nessan	35116	07/25/2023.09:35	onmode z
107698	usuprodweb	nessan	35116	07/25/2023.09:35	onmode z
74554	usuprodweb	gusperea	17948	07/25/2023.09:35	onmode z
82077	usuprodweb	gusperea	1424	07/25/2023.09:35	onmode z
84881	usuprodweb	gusperea	17948	07/25/2023.09:35	onmode z
107761	usuprodweb	nessan	35116	07/25/2023.09:35	onmode z
74555	usuprodweb	gusperea	17948	07/25/2023.09:35	onmode z
107757	usuprodweb	nessan	35116	07/25/2023.09:35	onmode z
107726	usuprodweb	nessan	35116	07/25/2023.09:35	onmode z
107811	usuprodweb	nessan	35116	07/25/2023.09:35	onmode z
107767	usuprodweb	nessan	35116	07/25/2023.09:35	onmode z
128082	usuprodweb	gusperea	17948	07/25/2023.10:35	onmode z
128099	usuprodweb	gusperea	17948	07/25/2023.10:35	onmode z
128125	usuprodweb	gusperea	17948	07/25/2023.11:35	onmode z
128174	usuprodweb	gusperea	17948	07/25/2023.11:35	onmode z

Procesos terminados abruptamente. Se debe reconsiderar ya que puede afectar las estructuras de la base.

REPORTE DE SERVICIO

Contrato 11 - 2023

Actividad #: 5	Monitoreo de Servidor 172.31.75.146 (atq)

```
Validating IBM Informix Dynamic Server reserved pages

    Validating PAGE_PZERO...

    Identity                IBM Informix Dynamic Ser
                           ver Copyright 2001, 2012
                            IBM Corporation.
    Database system state       0
    Database system flags       0x3
        64-bit server
        Always write big-chunk-style page headers
    Page Size                2048 (b)
    Date/Time created          11/05/2013 11:25:43
    Version number of creator    29
    UID of rootdbs creator      501
    Index Page Logging          OFF
    HA Disk Owner              <null>

    Validating PAGE_CONFIG...

    ROOTNAME                  rootdbs
    ROOTPATH                  /opt/IBM/informix/datos/atq_dbs1
    ROOTOFFSET                 0 (k)
    ROOTSIZE                  5242880 (k)
    MIRROR                   0
    MIRRORPATH
    MIRROROFFSET               0 (k)
    DBSERVERNAME               atq_shm
    SERVERNUM                  1
    MSGPATH                   /opt/IBM/informix/tmp/atq.log
    TAPEDEV                   /copias/nivel_0_atq

06:18:19  Maximum server connections 16
06:18:19  Checkpoint Statistics - Avg. Txn Block Time 0.000, # Txns blocked 0, Plog used 36, Llog used 12

06:33:04  IBM Informix Dynamic Server Started.
06:33:04  Requested shared memory segment size rounded from 73268KB to 74572KB



Validating PAGE_1ARCH & PAGE_2ARCH...
        Using archive page PAGE_1ARCH.
    Archive Level              0
    Real Time Archive Began      07/14/2022 14:08:09
    Time Stamp Archive Began     0x9e309825
    Logical Log Unique Id        2420
    Logical Log Position         0x16e018
    DR has not been initialized.


AUTO_CKPTS=On   RTO_SERVER_RESTART=Off
                                          Critical Sections                  Physical Log    Logical Log
```

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REPORTE DE SERVICIO

Contrato 11 - 2023

Clock Interval	Time	Trigger	LSN	Total Flush Time	Block # Time	Ckpt Wait Time	Long # Dirty Waits	Dskflu Time	Total Buffers	Avg /Sec	Total Pages	Avg /Sec	Pages
788267	10:25:48	CKPTINTVL	2618:0x3279018	6.5	3.5	0.0	0	0.0	263	74	317	1	2	0
788268	10:30:49	CKPTINTVL	2618:0x328b018	1.6	1.2	0.0	0	0.0	339	271	386	1	18	0
788269	10:35:54	CKPTINTVL	2618:0x32d5018	**5.4**	4.3	0.0	0	0.0	587	136	655	2	74	0
788270	10:40:59	CKPTINTVL	2618:0x32d7018	5.3	3.8	0.0	0	0.0	523	136	317	1	2	0
788271	10:46:04	CKPTINTVL	2618:0x32d9018	5.4	3.8	0.0	0	0.0	210	55	268	0	2	0
788272	10:51:09	CKPTINTVL	2618:0x32db018	4.3	3.1	0.0	0	0.0	300	97	355	1	2	0
788273	10:56:14	CKPTINTVL	2618:0x32dd018	5.7	4.2	0.0	1	0.0	281	66	328	1	2	0
788274	11:01:20	CKPTINTVL	2618:0x32df018	**6.4**	4.8	0.0	0	0.0	293	60	334	1	2	0
788275	11:08:57	CKPTINTVL	2618:0x32eb018	7.5	6.8	0.0	0	0.0	388	57	436	1	12	0
788276	11:11:50	CKPTINTVL	2618:0x32ed018	6.5	3.8	0.0	0	0.0	309	81	364	1	2	0
788277	11:16:53	CKPTINTVL	2618:0x32ef018	3.4	3.0	0.0	0	0.0	287	95	346	1	2	0
788278	11:22:03	CKPTINTVL	2618:0x32f1018	**3.6**	3.0	0.0	0	0.0	281	94	336	1	2	0
788279	11:28:04	CKPTINTVL	2618:0x33d6018	1.4	0.8	0.0	1	0.0	421	421	462	1	233	0
788280	11:32:07	CKPTINTVL	2618:0x33dc018	3.2	1.6	0.0	1	0.0	204	127	267	0	6	0
788281	11:37:29	CKPTINTVL	2618:0x3425018	6.1	4.1	0.0	1	0.1	590	144	662	2	73	0
788282	11:42:30	CKPTINTVL	2618:0x3427018	1.4	0.9	0.0	0	0.0	244	244	321	1	2	0
788283	11:49:04	CKPTINTVL	2618:0x3429018	5.8	3.5	0.0	0	0.0	284	80	338	1	2	0
788284	11:52:37	CKPTINTVL	2618:0x342b018	3.8	3.2	0.0	0	0.0	221	68	282	0	2	0
788285	11:57:41	CKPTINTVL	2618:0x34ab018	4.3	2.4	0.0	0	0.0	394	162	437	1	128	0
788286	11:58:19	*User	2618:0x34af210	0.8	0.2	0.0	1	0.0	0.8	0.8	4	4	96	2	4	0

Max Plog pages/sec	Max Llog pages/sec	Max Dskflush Time	Avg Dskflush pages/sec	Avg Dirty pages/sec	Blocked Time
10240	1280	7	148	0	0

MT global info:

sessions	threads	vps	lngspins	time
29	72	16	103	19518

	sched calls	thread switches	yield 0	yield n	yield forever
total:	99694965	27227747	74101676	394334	12259424
per sec:	142	112	37	16	41

Virtual processor summary:

class	vps	usercpu	syscpu	total
cpu	6	1646.83	47.79	1694.62
aio	1	0.04	0.12	0.16
lio	1	0.03	0.11	0.14
pio	1	0.03	0.11	0.14
adm	1	0.34	0.62	0.96
soc	4	10.33	16.66	26.99
msc	1	0.00	0.01	0.01
fifo	1	0.02	0.11	0.13
total	16	1657.62	65.53	1723.15

Individual virtual processors:

vp	pid	class	usercpu	syscpu	total	Thread	Eff
1	3831	cpu	346.01	11.96	357.97	7264.17	4%
2	3851	adm	0.34	0.62	0.96	0.00	0%
3	3852	lio	0.03	0.11	0.14	0.14	100%
4	3859	pio	0.03	0.11	0.14	0.14	100%
5	3866	aio	0.04	0.12	0.16	0.47	34%
6	3873	msc	0.00	0.01	0.01	0.02	45%
7	3880	fifo	0.02	0.11	0.13	0.13	100%
8	3887	cpu	520.18	14.63	534.81	7597.43	7%
9	3888	cpu	358.18	9.89	368.07	6345.56	5%
10	3889	cpu	196.36	4.98	201.34	4249.37	4%
11	3896	cpu	142.46	3.98	146.44	3344.21	4%
12	3897	cpu	83.64	2.35	85.99	1940.95	4%

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REPORTE DE SERVICIO

Contrato 11 - 2023

Dbspaces

address	number	flags	fchunk	nchunks	pgsize	flags	owner	name
4bf30028	1	0x40001	1	1	2048	N BA	informix	rootdbs
4d336218	2	0x40001	2	1	2048	N BA	informix	logsdbs
4d336458	3	0x42001	3	3	2048	N TBA	informix	tempdbs
4d336698	4	0x42001	4	5	2048	N TBA	informix	tempdbs2
4d3368d8	5	0x40001	5	1	4096	N BA	informix	indexdbs
4d336b18	6	0x40001	6	1	4096	N BA	informix	tabobservatorio
4d336d58	7	0x40001	7	1	4096	N BA	informix	tabcontrol
4d337028	8	0x40001	8	1	4096	N BA	informix	tabpetactua
4d337268	9	0x40001	9	1	4096	N BA	informix	tabasesoria
4d3374a8	10	0x40001	10	1	4096	N BA	informix	tabpersonas
4d3376e8	11	0x40001	11	1	4096	N BA	informix	tabconsecutivo
4d337928	12	0x40001	12	1	4096	N BA	informix	tabpeticion
4d337b68	13	0x40001	13	1	4096	N BA	informix	tabqueja
4d337da8	14	0x40001	14	1	4096	N BA	informix	tabsolicitud
4d338028	15	0x40001	15	1	4096	N BA	informix	tabpethisto
4d338268	16	0x40001	16	1	4096	N BA	informix	tabquehisto
4d3384a8	17	0x40001	17	1	4096	N BA	informix	tabsolhisto
4d3386e8	18	0x40001	18	1	4096	N BA	informix	tabgeneral
4d338928	19	0x40001	19	1	2048	N BA	informix	base1dbs
4d338b68	20	0x40001	20	1	2048	N BA	informix	physdbs

20 active, 2047 maximum

Chunks

address	chunk/dbs	offset	size	free	bpages	flags	pathname
4bf30268	1	1	0	2621440	2598988	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4ed028	2	2	2621442	2621440	1621387	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4ee028	3	3	5242882	2621440	2621387	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4ef028	4	4	7864322	2097152	2097099	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4f0028	5	5	9961474	2621440	2621387	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4f1028	6	6	15204354	1310720	1310667	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4f2028	7	7	17825794	1310720	1310667	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4f3028	8	8	20447234	1310720	1310667	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4f4028	9	9	23068674	1310720	1310667	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4f5028	10	10	25690114	1310720	1310667	PO-B--	/opt/IBM/informix/datos/atq_dbs1
4d4f6028	11	11	28311554	1310720	1310667	PO-B--	/opt/IBM/informix/datos/atq_dbs1

Esta instancia tiene mucha menos carga que visión_web, pero paradójicamente tiene más recurso de CPU asignado. En general presenta los mismo elementos de visión web: falta de actualización, estrategia de backup y todos los espacios lógicos y físicos de la base de datos en un solo disco del sistema operativo..

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REPORTE DE SERVICIO

Contrato 11 - 2023

- Contar con servidor para pruebas
- Entrega por parte del cliente del software en última versión
- Disponer de los espacios de disco que se encuentran en la maquina
- Se recomienda aumentar el grupo de discos de Archivelog DG_ARCH en la base de datos alterna o de contingencia.

Realizado y revisado por:	
Realizado	Arnulfo Martínez / Alex Jiménez / German Ardila
Revisado	Mario G. Barbosa M. / Omar Villalba
Fecha	09 de Agosto de 2023

Recibido y aceptado,

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