贵州省工商行政管理局
数据库巡检报告

（2018/3/1-2018/3/31）

集成技术解决方案
虚拟化、云计算和大数据
数据库高端运维服务
系统、网络与安全

专业运维团队，24X7小时服务，让您更放心！

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文档属性

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1. 故障响应流程
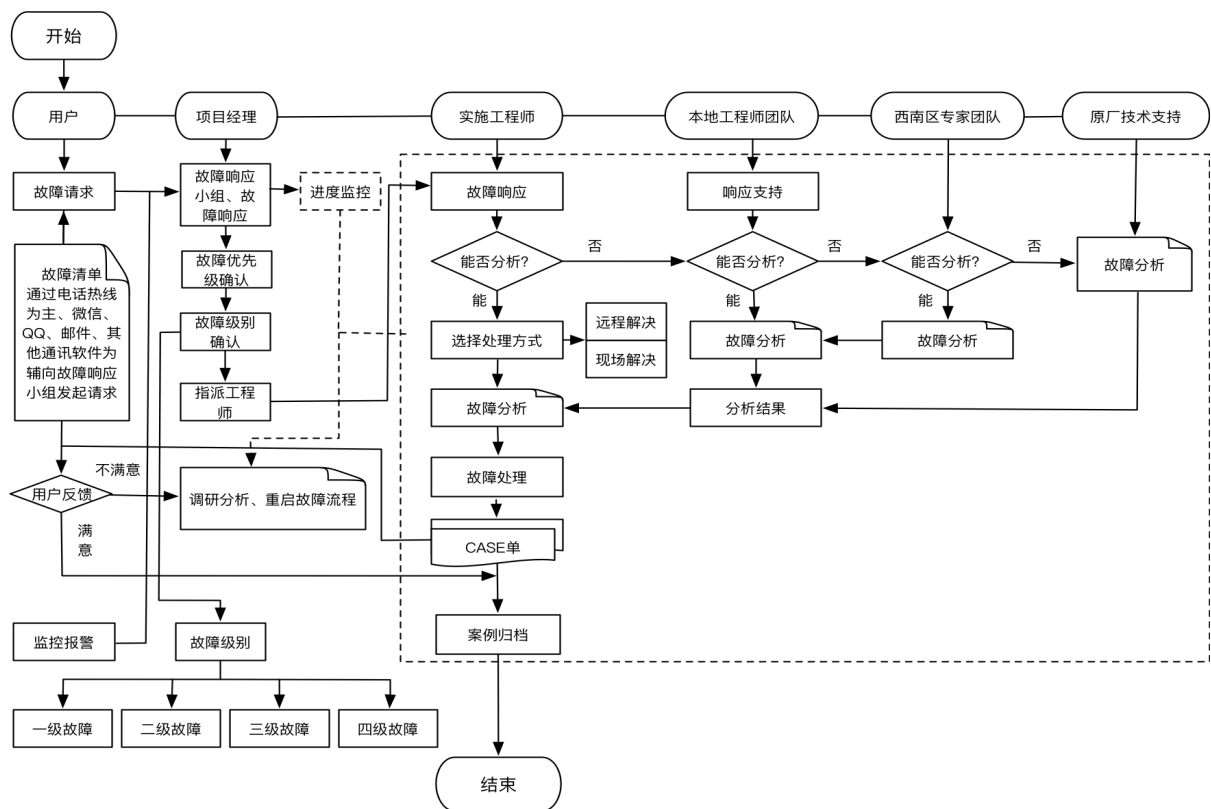
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1. 运维资源对象

表1 数据库资源对象

编号	实例名称	业务名称	数据库名	主机	数据库版本
1	prod1	查询库节点1	prod	172.28.1.221	11.2.0.3
2	prod2	查询库节点2	prod	172.28.1.222	11.2.0.3
3	orcl	协同监管库	orcl	172.230.0.40	12.1.0.2

编号	实例名称	业务名称	数据库名	主机	数据库版本

2. 数据库运行状态概览

表2.1 数据库资源状态

实例	状态	库	监听	CPU	内存	磁盘	日志	表空间	告警	备份	OGG	DG
prod1	⬆	⬆	⬆	?	?	?	?	?	?	?	?	?
prod2	⬆	⬆	⬆	?	?	?	?	?	?	?	?	?
orcl	⬆	⬆	⬆	?	?	?	?	?	?	?	?	?

(1)查询库节点1服务器当前状态

>> 负载

Server	1 mins	5 mins	15 mins
查询库节点1	0.40	0.32	0.33

>> CPU

Server	CPU Used Ratio
查询库节点1	0.01

>> 内存

Server	MemTotal	MemFree	Mem Used Rate
查询库节点1	132101104	24734224	0.81

>> 磁盘

FileSystem	Size	Used	Avail	Use%	Mounted on
/dev/mapper/vg_dbserver01-LogVol00_root	116G	85G	26G	77%	/
tmpfs	63G	24G	40G	38%	/dev/shm
/dev/sda2	485M	39M	421M	9%	/boot
/dev/sda1	500M	272K	500M	1%	/boot/efi

>> 网络

Face	Bytes	Drop
lo:910067117800	616749516	0
eth0:5095227292894	25716707855	0
eth1:5278289539791	5598921601	118
eth2:	0	0

eth3:	0	0
usb0:	0	0

(2)查询库节点2服务器当前状态

>> 负载

Server	1 mins	5 mins	15 mins
查询库节点2	0.82	0.43	0.24

>> CPU

Server	CPU Used Ratio
查询库节点2	0.01

>> 内存

Server	MemTotal	MemFree	Mem Used Rate
查询库节点2	132102056	23162228	0.8200000000000001

>> 磁盘

FileSystem	Size	Used	Avail	Use%	Mounted on
/dev/mapper/vg_dbserver02-LogVol00_root	116G	57G	54G	52%	/
tmpfs	63G	24G	40G	38%	/dev/shm
/dev/sda2	485M	39M	421M	9%	/boot
/dev/sda1	500M	272K	500M	1%	/boot/efi
/dev/mapper/vg_dbserver02-LogVol01_opt	97G	47G	45G	52%	/opt

>> 网络

Face	Bytes	Drop
lo:138689458639	255934094	0
eth0:340252709053	613015977	20
eth1:3013841078237	3961384213	2347
eth2:	0	0
eth3:	0	0
usb0:	0	0

(3)协同监管库服务器当前状态

>> 负载

Server	1 mins	5 mins	15 mins
协同监管库	1.93	2.15	2.12

>> CPU

Server	CPU Used Ratio
协同监管库	0.06

>> 内存

Server	MemTotal	MemFree	Mem Used Rate
协同监管库	66084988	2329556	0.96

>> 磁盘

FileSystem	Size	Used	Avail	Use%	Mounted on
/dev/xvda2	48G	19G	27G	41%	/
/dev/mapper/oravg-oralv1	196G	167G	20G	90%	/u01
/dev/mapper/orabackup-orabackup1	196G	111G	76G	60%	/data/backup
shmfs	64G	17G	48G	26%	/dev/shm

>> 网络

Face	Bytes	Drop
lo:2623432005	15499689	0
eth0:161034139237	1337454691	0

3. 数据库存储结构

3.1. 数据库物理存储结构

3.1.1 控制文件

表3.1 查询库节点1控制文件及副本

STATUS	NAME	SIZE
	+DATA/prod/controlfile/current.265.874021683	16384
	+FRA/prod/controlfile/current.256.874021683	16384

注释：查询库节点1共有2个数据控制文件，其中有效文件有2个，无效文件有0个。

表3.2 查询库节点2控制文件及副本

STATUS	NAME	SIZE
	+DATA/prod/controlfile/current.265.874021683	16384
	+FRA/prod/controlfile/current.256.874021683	16384

注释：查询库节点2共有2个数据控制文件，其中有效文件有2个，无效文件有0个。

表3.3 协同监管库控制文件及副本

STATUS	NAME	SIZE
	/u01/app/oracle/oradata/orcl/control01.ctl	16384
	/u01/app/oracle/recovery_area/orcl/control02.ctl	16384

注释：协同监管库共有2个数据控制文件，其中有效文件有2个，无效文件有0个。

3.1.2 日志文件

表3.4 查询库节点1日志文件

GROUP	STATUS	TYPE	MEMBER
2		ONLINE	+DATA/prod/onlinelog/group_2.300
2		ONLINE	+FRA/prod/onlinelog/group_2.300
1		ONLINE	+DATA/prod/onlinelog/group_1.300
1		ONLINE	+FRA/prod/onlinelog/group_1.300
3		ONLINE	+DATA/prod/onlinelog/group_3.300
3		ONLINE	+FRA/prod/onlinelog/group_3.300
4		ONLINE	+DATA/prod/onlinelog/group_4.300
4		ONLINE	+FRA/prod/onlinelog/group_4.300
5		ONLINE	+DATA/prod/onlinelog/group_5.300
5		ONLINE	+FRA/prod/onlinelog/group_5.300

GROUP	STATUS	TYPE	MEMBER
7		ONLINE	+DATA/prod/onlinelog/group_7.300
8		ONLINE	+DATA/prod/onlinelog/group_8.300
8		ONLINE	+FRA/prod/onlinelog/group_8.300
6		ONLINE	+DATA/prod/onlinelog/group_6.300
6		ONLINE	+FRA/prod/onlinelog/group_6.300
7		ONLINE	+FRA/prod/onlinelog/group_7.300

注释：查询库节点1共有8日志组，16个日志文件文件，其中有效文件有16个，无效文件有0个。

表3.5 查询库节点2日志文件

GROUP	STATUS	TYPE	MEMBER
2		ONLINE	+DATA/prod/onlinelog/group_2.300
2		ONLINE	+FRA/prod/onlinelog/group_2.300
1		ONLINE	+DATA/prod/onlinelog/group_1.300
1		ONLINE	+FRA/prod/onlinelog/group_1.300
3		ONLINE	+DATA/prod/onlinelog/group_3.300
3		ONLINE	+FRA/prod/onlinelog/group_3.300
4		ONLINE	+DATA/prod/onlinelog/group_4.300
4		ONLINE	+FRA/prod/onlinelog/group_4.300
5		ONLINE	+DATA/prod/onlinelog/group_5.300
5		ONLINE	+FRA/prod/onlinelog/group_5.300
7		ONLINE	+DATA/prod/onlinelog/group_7.300
8		ONLINE	+DATA/prod/onlinelog/group_8.300
8		ONLINE	+FRA/prod/onlinelog/group_8.300
6		ONLINE	+DATA/prod/onlinelog/group_6.300
6		ONLINE	+FRA/prod/onlinelog/group_6.300
7		ONLINE	+FRA/prod/onlinelog/group_7.300

注释：查询库节点2共有8日志组，16个日志文件文件，其中有效文件有16个，无效文件有0个。

表3.6 协同监管库日志文件

GROUP	STATUS	TYPE	MEMBER
3		ONLINE	/u01/app/oracle/oradata/orcl/redo03.log
2		ONLINE	/u01/app/oracle/oradata/orcl/redo02.log
1		ONLINE	/u01/app/oracle/oradata/orcl/redo01.log

注释：协同监管库共有3日志组，3个日志文件文件，其中有效文件有3个，无效文件有0个。

3.1.3 数据文件

表3.7 查询库节点1数据文件存储结构

ID	NAME	STATUS	SIZE	MAXSIZE	EXTENSIBLE
1	+DATA/prod/datafile/system.260.874021585	SYSTEM	10290	32767.98	YES
2	+DATA/prod/datafile/sysaux.267.874021585	ONLINE	7500	32767.98	YES
3	+DATA/prod/datafile/undotbs1.263.874021585	ONLINE	7370	32767.98	YES
4	+DATA/prod/datafile/users.266.874021585	ONLINE	32760	32767.98	YES
5	+DATA/prod/datafile/undotbs2.259.874021749	ONLINE	11225	32767.98	YES
6	+DATA/prod/datafile/gzgs_cx.268.874073449	ONLINE	4096	32767.98	YES
7	+DATA/prod/datafile/oggcx.269.874073563	ONLINE	1024	32767.98	YES
8	+DATA/prod/datafile/gzgs_wsbsdt_cx001	ONLINE	3122	600000	YES
9	+DATA/prod/datafile/gzgshz001	ONLINE	75826	600000	YES
10	+DATA/prod/datafile/tsfa.dbf	ONLINE	500	32767.98	YES
11	+DATA/prod/datafile/gzgs_exchange01	ONLINE	32743	32767.98	YES
12	+DATA/prod/datafile/gzgscx_wlsp.dbf	ONLINE	50	30000	YES
13	+DATA/prod/datafile/report_saic.dbf	ONLINE	50	600000	YES
14	+DATA/prod/datafile/report_mtgg01.dbf	ONLINE	10240	32767	YES
15	+DATA/prod/datafile/report_wljg01.dbf	ONLINE	10240	32767	YES
16	+DATA/prod/datafile/gysgsj01.dbf	ONLINE	32767	32767	YES
17	+DATA/prod/datafile/gzgs_sharedb01.dbf	ONLINE	4106	33554431	YES
18	+DATA/prod/datafile/gzgs_ga_cx01.dbf	ONLINE	1024	16384	YES

ID	NAME	STATUS	SIZE	MAXSIZE	EXTENSIBLE
19	+DATA/prod/datafile/gzgs_12315.dbf	ONLINE	3073	30000	YES
20	+DATA/prod/datafile/gysfrk.dbf	ONLINE	2049	30000	YES
21	+DATA/prod/datafile/gzgs_exchange02.dbf	ONLINE	24052	32767.98	YES
22	+DATA/prod/datafile/gzgs_exchange03.dbf	ONLINE	24052	32767.98	YES
23	+DATA/prod/datafile/ldcss01.dbf	ONLINE	10240	32767.98	YES
24	+DATA/prod/datafile/topmcpp01.dbf	ONLINE	13200	32767.98	YES
25	+DATA/prod/datafile/topicis02.dbf	ONLINE	1850	32767.98	YES
26	+DATA/prod/datafile/gzgs_xtjg_cx01.dbf	ONLINE	2127.5	8192	YES
27	+DATA/prod/datafile/portal.dbf	ONLINE	2048	32767.98	YES

注释：查询库节点1共有27个数据文件，其中在线文件有27个，离线文件有0个。

表3.8 查询库节点2数据文件存储结构

ID	NAME	STATUS	SIZE	MAXSIZE	EXTENSIBLE
1	+DATA/prod/datafile/system.260.874021585	SYSTEM	10290	32767.98	YES
2	+DATA/prod/datafile/sysaux.267.874021585	ONLINE	7500	32767.98	YES
3	+DATA/prod/datafile/undotbs1.263.874021585	ONLINE	7370	32767.98	YES
4	+DATA/prod/datafile/users.266.874021585	ONLINE	32760	32767.98	YES
5	+DATA/prod/datafile/undotbs2.259.874021749	ONLINE	11225	32767.98	YES
6	+DATA/prod/datafile/gzgs_cx.268.874073449	ONLINE	4096	32767.98	YES
7	+DATA/prod/datafile/oggcx.269.874073563	ONLINE	1024	32767.98	YES
8	+DATA/prod/datafile/gzgs_wsbsdt_cx001	ONLINE	3122	600000	YES
9	+DATA/prod/datafile/gzgshz001	ONLINE	75826	600000	YES

ID	NAME	STATUS	SIZE	MAXSIZE	EXTENSIBLE
10	+DATA/prod/datafile/tsfa.dbf	ONLINE	500	32767.98	YES
11	+DATA/prod/datafile/gzgs_exchange01	ONLINE	32743	32767.98	YES
12	+DATA/prod/datafile/gzgscx_wlsp.dbf	ONLINE	50	30000	YES
13	+DATA/prod/datafile/report_saic.dbf	ONLINE	50	600000	YES
14	+DATA/prod/datafile/report_mtgg01.dbf	ONLINE	10240	32767	YES
15	+DATA/prod/datafile/report_wljg01.dbf	ONLINE	10240	32767	YES
16	+DATA/prod/datafile/gysgsj01.dbf	ONLINE	32767	32767	YES
17	+DATA/prod/datafile/gzgs_sharedb01.dbf	ONLINE	4106	33554431	YES
18	+DATA/prod/datafile/gzgs_ga_cx01.dbf	ONLINE	1024	16384	YES
19	+DATA/prod/datafile/gzgs_12315.dbf	ONLINE	3073	30000	YES
20	+DATA/prod/datafile/gysfrk.dbf	ONLINE	2049	30000	YES
21	+DATA/prod/datafile/gzgs_exchange02.dbf	ONLINE	24052	32767.98	YES
22	+DATA/prod/datafile/gzgs_exchange03.dbf	ONLINE	24052	32767.98	YES
23	+DATA/prod/datafile/ldcss01.dbf	ONLINE	10240	32767.98	YES
24	+DATA/prod/datafile/topmcpp01.dbf	ONLINE	13200	32767.98	YES
25	+DATA/prod/datafile/topicis02.dbf	ONLINE	1850	32767.98	YES
26	+DATA/prod/datafile/gzgs_xtjg_cx01.dbf	ONLINE	2127.5	8192	YES
27	+DATA/prod/datafile/portal.dbf	ONLINE	2048	32767.98	YES

注释：查询库节点2共有27个数据文件，其中在线文件有27个，离线文件有0个。

表3.9 协同监管库数据文件存储结构

ID	NAME	STATUS	SIZE	MAXSIZE	EXTENSIBLE

1	/u01/app/oracle/oradata/orcl/system01.dbf	SYSTEM	4290	32767.98	YES
2	/u01/app/oracle/oradata/orcl/sysaux01.dbf	ONLINE	1390	32767.98	YES
3	/u01/app/oracle/oradata/orcl/undotbs01.dbf	ONLINE	8205	32767.98	YES
4	/u01/app/oracle/oradata/orcl/users01.dbf	ONLINE	5046.25	32767.98	YES
5	/u01/app/oracle/oradata/orcl/gzgs_ycml01.dbf	ONLINE	1699.25	16384	YES
6	/u01/app/oracle/oradata/orcl/gzgs_wq01.dbf	ONLINE	430.94	16384	YES
7	/u01/app/oracle/oradata/orcl/gzgs_dj01.dbf	ONLINE	16384	16384	YES
8	/u01/app/oracle/oradata/orcl/gzgs_hz01.dbf	ONLINE	128	16384	YES
9	/u01/app/oracle/oradata/orcl/gzgs_credit_new01.dbf	ONLINE	10018	16384	YES
10	/u01/app/oracle/oradata/orcl/gzgs_credit_new02.dbf	ONLINE	8880.63	16384	YES
11	/u01/app/oracle/oradata/orcl/gzgs_gysjtl01.dbf	ONLINE	128	16384	YES
12	/u01/app/oracle/oradata/orcl/gzgs_backup01.dbf	ONLINE	128	8192	YES
13	/u01/app/oracle/oradata/orcl/gzgs_topicis01.dbf	ONLINE	128	16384	YES
14	/u01/app/oracle/oradata/orcl/gzgs_dj02.dbf	ONLINE	3624.88	16384	YES
15	/u01/app/oracle/oradata/orcl/oggtbs01.dbf	ONLINE	64	8192	YES

注释：协同监管库共有15个数据文件，其中在线文件有15个，离线文件有0个。

3.2. 数据库逻辑存储结构

表3.10 查询库节点1表空间及使用情况

NAME	STATUS	TOTAL	USED	FREE	USEDPCT
GYSGSJ	ONLINE	32767	32266.13	500.88	98.47%
GZGS_SHAREDB	ONLINE	4106	3748.06	357.94	91.28%
SYSAUX	ONLINE	7500	4774.38	2725.63	63.66%
UNDOTBS1	ONLINE	7370	98.19	7271.81	1.33%

NAME	STATUS	TOTAL	USED	FREE	USEDPCT
TSFA	ONLINE	500	219.31	280.69	43.86%
GZGSCX_WLSP	ONLINE	50	1	49	2%
TOPMCPP	ONLINE	13200	1	13199	.01%
USERS	ONLINE	32760	1588	31172	4.85%
GZGS_HZ	ONLINE	75826	72494.88	3331.13	95.61%
REPORT_SAIC	ONLINE	50	1	49	2%
GZGS_12315	ONLINE	3073	2400	673	78.1%
GYSFRK	ONLINE	2049	135.06	1913.94	6.59%
LDCSS	ONLINE	10240	1	10239	.01%
SYSTEM	ONLINE	10290	10249.13	40.88	99.6%
GZGS_WSBSDT_CX	ONLINE	3122	2047.25	1074.75	65.57%
GZGS_XTJG_CX	ONLINE	2127.5	1720.69	406.81	80.88%
GZGS_CX	ONLINE	4096	3339.5	756.5	81.53%
OGGCX	ONLINE	1024	1.25	1022.75	.12%
REPORT_WLJG	ONLINE	10240	1	10239	.01%
UNDOTBS2	ONLINE	11225	72.06	11152.94	.64%
REPORT_MTGG	ONLINE	10240	1	10239	.01%
PORTAL	ONLINE	2048	23.63	2024.38	1.15%
GZGS_EXCHANGE	ONLINE	80847	78104.5	2742.5	96.61%
GZGS_GA_CX	ONLINE	1024	1	1023	.1%
TOPICIS	ONLINE	1850	1	1849	.05%
TEMP	ONLINE	32767	32566	201	99.39%

注释：查询库节点1共有26个表空间，其中在线有26个，离线有0个。

表3.11 查询库节点2表空间及使用情况

NAME	STATUS	TOTAL	USED	FREE	USEDPCT
GYSGSJ	ONLINE	32767	32266.13	500.88	98.47%
GZGS_SHAREDB	ONLINE	4106	3748.06	357.94	91.28%
SYSAUX	ONLINE	7500	4774.38	2725.63	63.66%
UNDOTBS1	ONLINE	7370	98.19	7271.81	1.33%
TSFA	ONLINE	500	219.31	280.69	43.86%
GZGSCX_WLSP	ONLINE	50	1	49	2%
TOPMCPP	ONLINE	13200	1	13199	.01%
USERS	ONLINE	32760	1588	31172	4.85%
GZGS_HZ	ONLINE	75826	72494.88	3331.13	95.61%

NAME	STATUS	TOTAL	USED	FREE	USEDPCT
REPORT_SAIC	ONLINE	50	1	49	2%
GZGS_12315	ONLINE	3073	2400	673	78.1%
GYSFRK	ONLINE	2049	135.06	1913.94	6.59%
LDCSS	ONLINE	10240	1	10239	.01%
SYSTEM	ONLINE	10290	10249.13	40.88	99.6%
GZGS_WSBSDT_CX	ONLINE	3122	2047.25	1074.75	65.57%
GZGS_XTJG_CX	ONLINE	2127.5	1720.69	406.81	80.88%
GZGS_CX	ONLINE	4096	3339.5	756.5	81.53%
OGGCX	ONLINE	1024	1.25	1022.75	.12%
REPORT_WLJG	ONLINE	10240	1	10239	.01%
UNDOTBS2	ONLINE	11225	72.06	11152.94	.64%
REPORT_MTGG	ONLINE	10240	1	10239	.01%
PORTAL	ONLINE	2048	23.63	2024.38	1.15%
GZGS_EXCHANGE	ONLINE	80847	78104.5	2742.5	96.61%
GZGS_GA_CX	ONLINE	1024	1	1023	.1%
TOPICIS	ONLINE	1850	1	1849	.05%
TEMP	ONLINE	32767	183	32584	.56%

注释：查询库节点2共有26个表空间，其中在线有26个，离线有0个。

表3.12 协同监管库表空间及使用情况

NAME	STATUS	TOTAL	USED	FREE	USEDPCT
SYSAUX	ONLINE	1390	1307.25	82.75	94.05%
UNDOTBS1	ONLINE	8205	49.56	8155.44	.6%
GZGS_YCML	ONLINE	1699.25	1618.31	80.94	95.24%
USERS	ONLINE	5046.25	4449.94	596.31	88.18%
GZGS_HZ	ONLINE	128	26	102	20.31%
GZGS_GYSJTL	ONLINE	128	1	127	.78%
GZGS_BACKUP	ONLINE	128	1.19	126.81	.93%
OGGTBS	ONLINE	64	1	63	1.56%
SYSTEM	ONLINE	4290	4231.31	58.69	98.63%
GZGS_WQ	ONLINE	430.94	390.38	40.56	90.59%
GZGS_DJ	ONLINE	20008.88	18738.94	1269.94	93.65%
GZGS_CREDIT_NEW	ONLINE	18898.63	17978.06	920.56	95.13%
GZGS_TOPICIS	ONLINE	128	1.25	126.75	.98%
TEMP	ONLINE	49407	49149	258	99.48%

注释：协同监管库共有14个表空间，其中在线有14个，离线有0个。

4. 数据库对象监测

4.1 数据库无效对象

表4.1 查询库节点1数据库无效对象

OWER	NAME	TYPE	STATUS
GZGSCX_CLOUDCX	V_KY_SCZT	VIEW	INVALID
GZGS_WSBSDT_TEST	BUSINESSER_TASK_VIEW	VIEW	INVALID
GZGS_WSBSDT_TEST	PKG_HOTLINE	PACKAGE	INVALID
GZGS_WSBSDT_TEST	SPO_GSXTSY02	PROCEDURE	INVALID
GZGS_WSBSDT_TEST	SPO_GSXTSY01	PROCEDURE	INVALID
GZGS_WSBSDT_TEST	USER_BUSINESS_VIEW	VIEW	INVALID
GZGS_WSBSDT_TEST	SPO_GSXTSY	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_SYNC_DATA_RK	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_SP_PLEDGE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_CASE_PUB_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_DEREGISTRATION_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_PB_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_GROUPENTINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_SP_PLEDGE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_CASE_PUB_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_CASE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_CASALT_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_SPOTCHECK_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_UNIONPUNISH_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_SMENTSUPPORT_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_LI_ILLDISHONESTY_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_LI_ILLDISDETAIL_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AFFICHE_BASE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AFFICHE_SPOTCHECK_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AFFICHE_ABNOPER_PRO	PROCEDURE	INVALID

GZGS_HZ_CX	WW_AFFICHE_ILLEGALITY_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AFFICHE_SIMPCAN_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AGR_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AGR_SUPINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AGR_MANUFINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_WM_WADENETINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_WM_MARKETBASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_AN_SFC_BRANCHINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_E_SP_PLEDGE_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_CASE_PUB_BASEINFO_VIEW	VIEW	INVALID
GZGS_HZ_CX	INIT_E_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_PRI_PERSON_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_LIQ_MBR_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_E_PRI_PERSON_VIEW	VIEW	INVALID
GZGS_HZ_CX	TR_YCML_NZ_ZT	TRIGGER	INVALID
GZGS_HZ_CX	TR_YCML_QY_ZT	TRIGGER	INVALID
GZGS_HZ_CX	CUX_CONVERT_CNY	FUNCTION	INVALID
GZGS_HZ_CX	INIT_E_PB_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	XYGS_JYYC_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_AFFICHE_BASE_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_AFFICHE_ABNOPER_VIEW	VIEW	INVALID
GZGS_HZ_CX	UPDATEGYSFRK	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_OT_CASE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_OT_CASALT_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	HZ_JYZX_GT_GGXX	SYNONYM	INVALID
GZGS_HZ_CX	YZW_GSGG_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_AFFICHE_ILLEGALITY_VIEW	VIEW	INVALID
GZGS_HZ_CX	WW_E_SHOULD_CONTRIBUTION_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_FACT_CONTRIBUTION_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_DEL_PERSON_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_PRI_PERSON_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_REVOKE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_CANCEL_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	A_SYS_USRO_VIEW	VIEW	INVALID

GZGS_HZ_CX	A_SYS_ROLE_VIEW	VIEW	INVALID
GZGS_HZ_CX	A_SYS_USER_VIEW	VIEW	INVALID
GZGS_HZ_CX	VIEW_QYZT_LMZY_ZRR	VIEW	INVALID
GZGS_HZ_CX	VIEW_SFXZ_GDQK	VIEW	INVALID
GZGS_HZ_CX	XYGS_B_GTGSH_VIEW	VIEW	INVALID
GZGS_HZ_CX	VIEW_??	VIEW	INVALID
GZGS_HZ_CX	VIEW_WQDJTZTJ	VIEW	INVALID
GZGS_HZ_CX	A_CWFZR_VIEW	VIEW	INVALID
GZGS_HZ_CX	V_GSDJXX	VIEW	INVALID
GZGS_HZ_CX	VIEW_GTDJ_BGQK	VIEW	INVALID
GZGS_HZ_CX	XYGS_NB_GTGSH_VIEW	VIEW	INVALID
GZGS_HZ_CX	VIEW_????	VIEW	INVALID
GZGS_HZ_CX	GENERATE_LSBH	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_JYXKZ	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_YCGG	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_GDYSP	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_AJ	PROCEDURE	INVALID
GZGS_HZ_CX	FGDJ_TJQK	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_HWGG	PROCEDURE	INVALID
GZGS_HZ_CX	SYNC_WSBSDT_DATA	PROCEDURE	INVALID
GZGS_HZ_CX	IMPORT_CALENDAR	PROCEDURE	INVALID
GZGS_HZ_CX	GZGS_UPDATE_HYDM	PROCEDURE	INVALID
GZGS_HZ_CX	GZGS_DIAOYONG3	PROCEDURE	INVALID
GZGS_HZ_CX	CREDIT_SYNCHRONIZED_PACKAGE	PACKAGE BODY	INVALID
GZGS_HZ_CX	VIEW_HFGTDATA	VIEW	INVALID
GZGS_HZ_CX	VIEW_USER_PER	VIEW	INVALID
GZGS_HZ_CX	A_SCZT_VIEW	VIEW	INVALID
GZGS_HZ_CX	CREDIT_DRAW_DATA_AJ	VIEW	INVALID
GZGS_HZ_CX	V_GSDJXX_GT	VIEW	INVALID
GZGS_HZ_CX	GSCX_QBGS	VIEW	INVALID
GZGS_HZ_CX	INIT_E_REVOKE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_GROUPENTINFO_VIEW	VIEW	INVALID
GZGS_HZ_CX	INIT_GROUPENTINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_CANCEL_PRO	PROCEDURE	INVALID

GZGS_HZ_CX	YZW_E_CANCEL_VIEW	VIEW	INVALID
GZGS_HZ_CX	INIT_AN_SUBCAPITAL_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_INIT_DATA_RK	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_JYYC_LRJDS_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_AFFICHE_SIMPCAN_VIEW	VIEW	INVALID
GZGS_HZ_CX	INIT_E_DEL_PERSON_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_E_PB_BASEINFO_VIEW	VIEW	INVALID
GZGS_HZ_CX	WW_AN_SUBCAPITAL_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AN_SFC_BRANCHINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_E_OT_CASE_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_E_OT_CASALT_VIEW	VIEW	INVALID
GZGS_WSBSDT_CX	XYGS_SBZC_VIEW	VIEW	INVALID
GZGS_WSBSDT_CX	XYGS_SBZC_I_VIEW	VIEW	INVALID
GZGS_WSBSDT_CX	XYGS_YHGG_VIEW_JOB	PROCEDURE	INVALID
GZGS_WSBSDT_CX	XYGS_SBZC_IMG_VIEW	VIEW	INVALID
GZGS_WSBSDT_CX	MV_KY_SCZT	MATERIALIZED VIEW	INVALID
GZGS_WSBSDT_CX	V_KY_SCZT	VIEW	INVALID
GZGS_EXCHANGE	A_BM_CZFS	SYNONYM	INVALID
ABELIT	A_SCZT_VIEW	VIEW	INVALID
ABELIT	XYGS_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_GQCZ_VIEW	VIEW	INVALID
ABELIT	XYGS_NMZYHZS_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NZGS_HMD_VIEW	VIEW	INVALID
ABELIT	XYGS_SPWJ_VIEW	VIEW	INVALID
ABELIT	XYGS_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_WZHH_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_DETAIL_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_LIST_VIEW	VIEW	INVALID

ABELIT	V_WX_XZCFXX_LIST	VIEW	INVALID
ABELIT	XYGS_GQCZ_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_GQCZ_ZXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_CCJC_VIEW	VIEW	INVALID
ABELIT	XYGS_DCDY_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_DCDY_DYQR_VIEW	VIEW	INVALID
ABELIT	XYGS_DCDY_DYW_VIEW	VIEW	INVALID
ABELIT	XYGS_DCDY_JBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_DCDY_VIEW	VIEW	INVALID
ABELIT	XYGS_HOLIDAY	VIEW	INVALID
ABELIT	XYGS_NB_DWTGDB_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_DWTZ_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GQBG_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTJBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTJYQK_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTWZWD_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTXKXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_JBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_NZFZJG_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_NZJBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_NZJYQK_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_NZXKXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_WZWD_VIEW	VIEW	INVALID
ABELIT	XYGS_QSXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QT_XZCF_VIEW	VIEW	INVALID
ABELIT	XYGS_QT_XZXK_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_GQZR_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_XZCFXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_XZXK_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_ZSCQCZ_VIEW	VIEW	INVALID
ABELIT	XYGS_YZWF_VIEW	VIEW	INVALID

ABELIT	XYGS_NB_FZJYQK_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_JYQK_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_BGXX_VIEW	VIEW	INVALID
ABELIT	V_GG_LIST	VIEW	INVALID
ABELIT	XYGS_QY_TZXX_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_ZSCQCZ_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_ZSCQCZ_ZXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_XZXK_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_XZXK_ZXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_XZXK_DXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_GT_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_QY_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_DQ_VIEW	VIEW	INVALID
ABELIT	TBL_GTNBTJ_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_XQ_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_XQ_YJBS_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_NZ_VIEW	VIEW	INVALID
ABELIT	XYGS_DATE_STATE_VIEW	VIEW	INVALID
ABELIT	XYGS_YHGG_CCJG_VIEW	VIEW	INVALID
ABELIT	XYGS_XZ_GQJD_VIEW	VIEW	INVALID
ABELIT	XYGS_XZ_GQSX_VIEW	VIEW	INVALID
ABELIT	XYGS_SFXZGG_VIEW	VIEW	INVALID
ABELIT	XYGS_XZ_GDBG_VIEW	VIEW	INVALID
ABELIT	XYGS_XZ_GQDJ_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_FZCX_VIEW	VIEW	INVALID
ABELIT	XYGS_A_QYZT_VIEW	VIEW	INVALID
ABELIT	XYGS_B_GTGSH_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_GZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_CXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_GTGSH_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_GTGSH_ZYRY_VIEW	VIEW	INVALID
ABELIT	XYGS_HMD_VIEW	VIEW	INVALID
ABELIT	XYGS_JBXX_VIEW	VIEW	INVALID

ABELIT	XYGS_FGS_VIEW	VIEW	INVALID
ABELIT	XYGS_GTGSH_JBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_SCZT_VIEW	VIEW	INVALID
ABELIT	XYGS_ZYRY_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTGSH_VIEW	VIEW	INVALID
ABELIT	XYGS_JYYC_VIEW	VIEW	INVALID
ABELIT	XYGS_JYYC_LRJDS_VIEW	VIEW	INVALID
ABELIT	XYGS_WORKDAY_VIEW	VIEW	INVALID
ABELIT	XYGS_YHGG_VIEW	VIEW	INVALID
ABELIT	XYGS_COUNT	PROCEDURE	INVALID
ABELIT	XYGS_NBTJ	PROCEDURE	INVALID
ABELIT	XYGS_TJBL	PROCEDURE	INVALID
ABELIT	XYGS_YTBTJ	PROCEDURE	INVALID
ABELIT	GETCFYJ	FUNCTION	INVALID
ABELIT	GETGQCZRY	FUNCTION	INVALID
ABELIT	GETGQCZZJHM	FUNCTION	INVALID
GYSGSJ	TRIG_INS_REG_BUSMAIINF	TRIGGER	INVALID
GYSGSJ	FUNCT_BANK_TJ	FUNCTION	INVALID
GYSGSJ	TRIG_INS_REG_BUSMAIINF_COPY	TRIGGER	INVALID
GZGS_12315	DC2_ZX_MV	VIEW	INVALID
GZGS_12315	VIEW_CHECK_12315_DJXX	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_FEE_INFO	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_INFO_REVE	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_INVOB_INFO	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_INVOPT_INFO	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_REG_INFO	VIEW	INVALID
GZGS_12315	V_DJNRB	VIEW	INVALID
GZGS_12315	V_CASE	VIEW	INVALID
GZGS_12315	V_CASE_VISIT	VIEW	INVALID
GZGS_12315	V_DJNRB_APPROVE	VIEW	INVALID
GZGS_12315	V_DJNRB_BM_SPYFWFLDM_2008	VIEW	INVALID
GZGS_12315	V_DJNRB_QUERY	VIEW	INVALID
GZGS_12315	V_DJ_LZ_INFO	VIEW	INVALID
GZGS_12315	V_RATE_QUERY	VIEW	INVALID

GZGS_12315	V_SLRYGZQK	VIEW	INVALID
GZGS_12315	V_AJGL	VIEW	INVALID
GZGS_12315	WH12315_2011_SHOULI_INFO	VIEW	INVALID
GZGS_12315	JJHK	VIEW	INVALID
GZGS_12315	AI_12315_FEE_INFO	VIEW	INVALID
GZGS_12315	AI_12315_INFO_REVE	VIEW	INVALID
GZGS_12315	AI_12315_INVOB_INFO	VIEW	INVALID
GZGS_12315	AI_12315_INVOPT_INFO	VIEW	INVALID
GZGS_12315	AI_12315_REG_INFO	VIEW	INVALID
GZGS_12315	VIEW_CHECK_12315_ALL	VIEW	INVALID
GZGS_12315	WH12315_2011_SS_FK_TJ_INFO	VIEW	INVALID
GZGS_12315	WH12315_2011_STS_FK_AJXA_INFO	VIEW	INVALID
GZGS_12315	WH12315_2011_STS_FK_INFO	VIEW	INVALID
GZGS_12315	WH12315_2011_LIUZHUAN_INFO	VIEW	INVALID
GZGS_12315	SP_FXBB	PROCEDURE	INVALID
GZGS_12315	SP_CHECK_12315_DJXX_ALL	PROCEDURE	INVALID
GZGS_12315	REP_CALL_FESTIVAL	PROCEDURE	INVALID
GZGS_12315	PRO_TODOWORK_BACK	PROCEDURE	INVALID
GZGS_12315	PRO_HOT_DATE_TEMP	PROCEDURE	INVALID
GZGS_12315	WH12315_2011_CHECK	PROCEDURE	INVALID
GZGS_12315	MV_DJ_FK_CF	MATERIALIZED VIEW	INVALID
GZGS_12315	MV_DJ_FK_TJ	MATERIALIZED VIEW	INVALID
GZGS_12315	XB06_2013_VIEW	MATERIALIZED VIEW	INVALID
GZGS_12315	DC2_TJ_MV	VIEW	INVALID
GZGS_12315	DC2_DJ_MV	VIEW	INVALID
GZGS_12315	CASE_VISIT_VIEW	VIEW	INVALID
GZGS_12315	DC2_CF_MV	VIEW	INVALID

注释：查询库节点1共有251个无效对象。

表4.2 查询库节点2数据库无效对象

OWER	NAME	TYPE	STATUS
GZGSCX_CLOUDCX	V_KY_SCZT	VIEW	INVALID
GZGS_WSBSDT_TEST	BUSINESSER_TASK_VIEW	VIEW	INVALID

GZGS_WSBSDT_TEST	PKG_HOTLINE	PACKAGE	INVALID
GZGS_WSBSDT_TEST	SPO_GSXTSY02	PROCEDURE	INVALID
GZGS_WSBSDT_TEST	SPO_GSXTSY01	PROCEDURE	INVALID
GZGS_WSBSDT_TEST	USER_BUSINESS_VIEW	VIEW	INVALID
GZGS_WSBSDT_TEST	SPO_GSXTSY	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_SYNC_DATA_RK	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_SP_PLEDGE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_CASE_PUB_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_DEREGISTRATION_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_PB_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_GROUPENTINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_SP_PLEDGE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_CASE_PUB_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_CASE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_CASALT_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_SPOTCHECK_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_UNIONPUNISH_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_OT_SMENTSUPPORT_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_LI_ILLDISHONESTY_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_LI_ILLDISDETAIL_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AFFICHE_BASE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AFFICHE_SPOTCHECK_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AFFICHE_ABNOPER_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AFFICHE_ILLEGALITY_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AFFICHE_SIMPCAN_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AGR_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AGR_SUPINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_AGR_MANUFINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_WM_WADENETINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_WM_MARKETBASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_AN_SFC_BRANCHINFO_PRO	PROCEDURE	INVALID

GZGS_HZ_CX	YZW_E_SP_PLEDGE_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_CASE_PUB_BASEINFO_VIEW	VIEW	INVALID
GZGS_HZ_CX	INIT_E_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_PRI_PERSON_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_LIQ_MBR_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_E_PRI_PERSON_VIEW	VIEW	INVALID
GZGS_HZ_CX	TR_YCML_NZ_ZT	TRIGGER	INVALID
GZGS_HZ_CX	TR_YCML_QY_ZT	TRIGGER	INVALID
GZGS_HZ_CX	CUX_CONVERT_CNY	FUNCTION	INVALID
GZGS_HZ_CX	INIT_E_PB_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	XYGS_JYYC_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_AFFICHE_BASE_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_AFFICHE_ABNOPER_VIEW	VIEW	INVALID
GZGS_HZ_CX	UPDATEGYSFRK	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_OT_CASE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_OT_CASALT_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	HZ_JYZX_GT_GGXX	SYNONYM	INVALID
GZGS_HZ_CX	YZW_GSGG_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_AFFICHE_ILLEGALITY_VIEW	VIEW	INVALID
GZGS_HZ_CX	WW_E_SHOULD_CONTRIBUTION_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_FACT_CONTRIBUTION_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_DEL_PERSON_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_PRI_PERSON_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_REVOKE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_CANCEL_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	A_SYS_USRO_VIEW	VIEW	INVALID
GZGS_HZ_CX	A_SYS_ROLE_VIEW	VIEW	INVALID
GZGS_HZ_CX	A_SYS_USER_VIEW	VIEW	INVALID
GZGS_HZ_CX	VIEW_QYZT_LMZY_ZRR	VIEW	INVALID
GZGS_HZ_CX	VIEW_SFXZ_GDQK	VIEW	INVALID
GZGS_HZ_CX	XYGS_B_GTGSH_VIEW	VIEW	INVALID
GZGS_HZ_CX	VIEW_??	VIEW	INVALID
GZGS_HZ_CX	VIEW_WQDJTZTJ	VIEW	INVALID
GZGS_HZ_CX	A_CWFZR_VIEW	VIEW	INVALID

GZGS_HZ_CX	V_GSDJXX	VIEW	INVALID
GZGS_HZ_CX	VIEW_GTDJ_BGQK	VIEW	INVALID
GZGS_HZ_CX	XYGS_NB_GTGSH_VIEW	VIEW	INVALID
GZGS_HZ_CX	VIEW_????	VIEW	INVALID
GZGS_HZ_CX	GENERATE_LSBH	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_JYXKZ	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_YCGG	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_GDYSP	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_AJ	PROCEDURE	INVALID
GZGS_HZ_CX	FGDJ_TJQK	PROCEDURE	INVALID
GZGS_HZ_CX	CONVERT_HWGG	PROCEDURE	INVALID
GZGS_HZ_CX	SYNC_WSBSDT_DATA	PROCEDURE	INVALID
GZGS_HZ_CX	IMPORT_CALENDAR	PROCEDURE	INVALID
GZGS_HZ_CX	GZGS_UPDATE_HYDM	PROCEDURE	INVALID
GZGS_HZ_CX	GZGS_DIAOYONG3	PROCEDURE	INVALID
GZGS_HZ_CX	CREDIT_SYNCHRONIZED_PACKAGE	PACKAGE BODY	INVALID
GZGS_HZ_CX	VIEW_HFGTDATA	VIEW	INVALID
GZGS_HZ_CX	VIEW_USER_PER	VIEW	INVALID
GZGS_HZ_CX	A_SCZT_VIEW	VIEW	INVALID
GZGS_HZ_CX	CREDIT_DRAW_DATA_AJ	VIEW	INVALID
GZGS_HZ_CX	V_GSDJXX_GT	VIEW	INVALID
GZGS_HZ_CX	GSCX_QBGS	VIEW	INVALID
GZGS_HZ_CX	INIT_E_REVOKE_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_GROUPENTINFO_VIEW	VIEW	INVALID
GZGS_HZ_CX	INIT_GROUPENTINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	INIT_E_CANCEL_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_E_CANCEL_VIEW	VIEW	INVALID
GZGS_HZ_CX	INIT_AN_SUBCAPITAL_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_INIT_DATA_RK	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_JYYC_LRJDS_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_AFFICHE_SIMPCAN_VIEW	VIEW	INVALID
GZGS_HZ_CX	INIT_E_DEL_PERSON_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_E_PB_BASEINFO_VIEW	VIEW	INVALID
GZGS_HZ_CX	WW_AN_SUBCAPITAL_PRO	PROCEDURE	INVALID

GZGS_HZ_CX	WW_AN_SFC_BRANCHINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	WW_E_BASEINFO_PRO	PROCEDURE	INVALID
GZGS_HZ_CX	YZW_E_OT_CASE_VIEW	VIEW	INVALID
GZGS_HZ_CX	YZW_E_OT_CASALT_VIEW	VIEW	INVALID
GZGS_WSBSDT_CX	XYGS_SBZC_VIEW	VIEW	INVALID
GZGS_WSBSDT_CX	XYGS_SBZC_I_VIEW	VIEW	INVALID
GZGS_WSBSDT_CX	XYGS_YHGG_VIEW_JOB	PROCEDURE	INVALID
GZGS_WSBSDT_CX	XYGS_SBZC_IMG_VIEW	VIEW	INVALID
GZGS_WSBSDT_CX	MV_KY_SCZT	MATERIALIZED VIEW	INVALID
GZGS_WSBSDT_CX	V_KY_SCZT	VIEW	INVALID
GZGS_EXCHANGE	A_BM_CZFS	SYNONYM	INVALID
ABELIT	A_SCZT_VIEW	VIEW	INVALID
ABELIT	XYGS_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_GQCZ_VIEW	VIEW	INVALID
ABELIT	XYGS_NMZYHZS_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NZGS_HMD_VIEW	VIEW	INVALID
ABELIT	XYGS_SPWJ_VIEW	VIEW	INVALID
ABELIT	XYGS_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_WZHH_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_DETAIL_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_LIST_VIEW	VIEW	INVALID
ABELIT	V_WX_XZCFXX_LIST	VIEW	INVALID
ABELIT	XYGS_GQCZ_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_GQCZ_ZXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_CCJC_VIEW	VIEW	INVALID
ABELIT	XYGS_DCDY_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_DCDY_DYQR_VIEW	VIEW	INVALID
ABELIT	XYGS_DCDY_DYW_VIEW	VIEW	INVALID
ABELIT	XYGS_DCDY_JBXX_VIEW	VIEW	INVALID

ABELIT	XYGS_DCDY_VIEW	VIEW	INVALID
ABELIT	XYGS_HOLIDAY	VIEW	INVALID
ABELIT	XYGS_NB_DWTGDB_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_DWTZ_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GQBG_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTJBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTJYQK_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTWZWD_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTXKXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_JBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_NZFZJG_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_NZJBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_NZJYQK_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_NZXKXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_WZWD_VIEW	VIEW	INVALID
ABELIT	XYGS_QSXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QT_XZCF_VIEW	VIEW	INVALID
ABELIT	XYGS_QT_XZXK_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_GQZR_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_TZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_XZCFXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_XZXK_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_ZSCQCZ_VIEW	VIEW	INVALID
ABELIT	XYGS_YZWF_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_FZJYQK_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_JYQK_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_BGXX_VIEW	VIEW	INVALID
ABELIT	V_GG_LIST	VIEW	INVALID
ABELIT	XYGS_QY_TZXX_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_ZSCQCZ_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_ZSCQCZ_ZXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_XZXK_BGXX_VIEW	VIEW	INVALID

ABELIT	XYGS_QY_XZXK_ZXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_QY_XZXK_DXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_GT_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_QY_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_DQ_VIEW	VIEW	INVALID
ABELIT	TBL_GTNBTJ_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_XQ_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_XQ_YJBS_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_NZ_VIEW	VIEW	INVALID
ABELIT	XYGS_DATE_STATE_VIEW	VIEW	INVALID
ABELIT	XYGS_YHGG_CCJG_VIEW	VIEW	INVALID
ABELIT	XYGS_XZ_GQJD_VIEW	VIEW	INVALID
ABELIT	XYGS_XZ_GQSX_VIEW	VIEW	INVALID
ABELIT	XYGS_SFXZGG_VIEW	VIEW	INVALID
ABELIT	XYGS_XZ_GDBG_VIEW	VIEW	INVALID
ABELIT	XYGS_XZ_GQDJ_VIEW	VIEW	INVALID
ABELIT	XYGS_NBTJ_FZCX_VIEW	VIEW	INVALID
ABELIT	XYGS_A_QYZT_VIEW	VIEW	INVALID
ABELIT	XYGS_B_GTGSH_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_GZXX_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_XZCFXX_CXXX_VIEW	VIEW	INVALID
ABELIT	XYGS_GTGSH_BGXX_VIEW	VIEW	INVALID
ABELIT	XYGS_GTGSH_ZYRY_VIEW	VIEW	INVALID
ABELIT	XYGS_HMD_VIEW	VIEW	INVALID
ABELIT	XYGS_JBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_FGS_VIEW	VIEW	INVALID
ABELIT	XYGS_GTGSH_JBXX_VIEW	VIEW	INVALID
ABELIT	XYGS_SCZT_VIEW	VIEW	INVALID
ABELIT	XYGS_ZYRY_VIEW	VIEW	INVALID
ABELIT	XYGS_NB_GTGSH_VIEW	VIEW	INVALID
ABELIT	XYGS_JYYC_VIEW	VIEW	INVALID
ABELIT	XYGS_JYYC_LRJDS_VIEW	VIEW	INVALID
ABELIT	XYGS_WORKDAY_VIEW	VIEW	INVALID

ABELIT	XYGS_YHGG_VIEW	VIEW	INVALID
ABELIT	XYGS_COUNT	PROCEDURE	INVALID
ABELIT	XYGS_NBTJ	PROCEDURE	INVALID
ABELIT	XYGS_TJBL	PROCEDURE	INVALID
ABELIT	XYGS_YTBTJ	PROCEDURE	INVALID
ABELIT	GETCFYJ	FUNCTION	INVALID
ABELIT	GETGQCZRY	FUNCTION	INVALID
ABELIT	GETGQCZZJHM	FUNCTION	INVALID
GYSGSJ	TRIG_INS_REG_BUSMAIINF	TRIGGER	INVALID
GYSGSJ	FUNCT_BANK_TJ	FUNCTION	INVALID
GYSGSJ	TRIG_INS_REG_BUSMAIINF_COPY	TRIGGER	INVALID
GZGS_12315	DC2_ZX_MV	VIEW	INVALID
GZGS_12315	VIEW_CHECK_12315_DJXX	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_FEE_INFO	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_INFO_REVE	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_INVOB_INFO	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_INVOPT_INFO	VIEW	INVALID
GZGS_12315	VJZ_AI_12315_REG_INFO	VIEW	INVALID
GZGS_12315	V_DJNRB	VIEW	INVALID
GZGS_12315	V_CASE	VIEW	INVALID
GZGS_12315	V_CASE_VISIT	VIEW	INVALID
GZGS_12315	V_DJNRB_APPROVE	VIEW	INVALID
GZGS_12315	V_DJNRB_BM_SPYFWFLDM_2008	VIEW	INVALID
GZGS_12315	V_DJNRB_QUERY	VIEW	INVALID
GZGS_12315	V_DJ_LZ_INFO	VIEW	INVALID
GZGS_12315	V_RATE_QUERY	VIEW	INVALID
GZGS_12315	V_SLRYGZQK	VIEW	INVALID
GZGS_12315	V_AJGL	VIEW	INVALID
GZGS_12315	WH12315_2011_SHOULI_INFO	VIEW	INVALID
GZGS_12315	JJHK	VIEW	INVALID
GZGS_12315	AI_12315_FEE_INFO	VIEW	INVALID
GZGS_12315	AI_12315_INFO_REVE	VIEW	INVALID
GZGS_12315	AI_12315_INVOB_INFO	VIEW	INVALID
GZGS_12315	AI_12315_INVOPT_INFO	VIEW	INVALID

GZGS_12315	AI_12315_REG_INFO	VIEW	INVALID
GZGS_12315	VIEW_CHECK_12315_ALL	VIEW	INVALID
GZGS_12315	WH12315_2011_SS_FK_TJ_INFO	VIEW	INVALID
GZGS_12315	WH12315_2011_STS_FK_AJXA_INFO	VIEW	INVALID
GZGS_12315	WH12315_2011_STS_FK_INFO	VIEW	INVALID
GZGS_12315	WH12315_2011_LIUZHUAN_INFO	VIEW	INVALID
GZGS_12315	SP_FXBB	PROCEDURE	INVALID
GZGS_12315	SP_CHECK_12315_DJXX_ALL	PROCEDURE	INVALID
GZGS_12315	REP_CALL_FESTIVAL	PROCEDURE	INVALID
GZGS_12315	PRO_TODOWORK_BACK	PROCEDURE	INVALID
GZGS_12315	PRO_HOT_DATE_TEMP	PROCEDURE	INVALID
GZGS_12315	WH12315_2011_CHECK	PROCEDURE	INVALID
GZGS_12315	MV_DJ_FK_CF	MATERIALIZED VIEW	INVALID
GZGS_12315	MV_DJ_FK_TJ	MATERIALIZED VIEW	INVALID
GZGS_12315	XB06_2013_VIEW	MATERIALIZED VIEW	INVALID
GZGS_12315	DC2_TJ_MV	VIEW	INVALID
GZGS_12315	DC2_DJ_MV	VIEW	INVALID
GZGS_12315	CASE_VISIT_VIEW	VIEW	INVALID
GZGS_12315	DC2_CF_MV	VIEW	INVALID

注释：查询库节点2共有251个无效对象。

表4.3 协同监管库数据库无效对象

OWER	NAME	TYPE	STATUS
GZGS_CREDIT_NEW	FMRYD	PROCEDURE	INVALID
GZGS_CREDIT_NEW	FFRW	PROCEDURE	INVALID
GZGS_CREDIT_NEW	REMOVEALL	PROCEDURE	INVALID
GZGS_CREDIT_NEW	FMRY	PROCEDURE	INVALID
GZGS_CREDIT_NEW	STAT_NEW	PROCEDURE	INVALID
GZGS_CREDIT_NEW	INSERT_NEW_SCZT_PROC	PROCEDURE	INVALID
GZGS_CREDIT_NEW	FMQY	PROCEDURE	INVALID

GZGS_CREDIT_NEW	SCZTVIEW	MATERIALIZED VIEW	INVALID
GZGS_YCML	TR_YCML_NZ_ZT	TRIGGER	INVALID
GZGS_YCML	TR_YCML_QY_ZT	TRIGGER	INVALID
GZGS_YCML	YCML_YCVIEW	VIEW	INVALID
GZGS_WQ	VIEW_WQCZBZZJYSQK	VIEW	INVALID
GZGS_DJ	A_SCZT_VIEW	VIEW	INVALID
GZGS_DJ	GETXZCFXX	PROCEDURE	INVALID
GZGSXY	SCZTBLXX	SYNONYM	INVALID
GZGSXY	XZCF	SYNONYM	INVALID
GZGSXY	XZXK	SYNONYM	INVALID
GZGSXY	INDEX_PARAM_VIEW	VIEW	INVALID
GZGSXY	PUBLIC_CYDW_VIEW	VIEW	INVALID
GZGSXY	PUBLIC_LIST_VIEW	VIEW	INVALID
GZGSXY	PUBLIC_FIELD_VIEW	VIEW	INVALID
GZGSXY	GETGSZXRQ	FUNCTION	INVALID
GZGSXY	GETGSDXRQ	FUNCTION	INVALID

注释：协同监管库共有23个无效对象。

4.2. 数据库无效触发器

表4.4 查询库节点1数据库无效触发器

OWER	TRIGGER	TABLE	STATUS
GZGS_HZ_CX	TR_YCML_NZ_ZT	YCML_NZ	DISABLED
GZGS_HZ_CX	TR_YCML_QY_ZT	YCML_QY	DISABLED
GYSGSJ	TRI_INS_REG_BUSMAIINF_FROMWEIX	A_SXWEIXIN_BUSMAIINF	DISABLED
GYSGSJ	TRIG_INS_INTRAE_TEST_BG	INTRAEXTRACONNECT	DISABLED
GYSGSJ	TRIG_INS_REG_BUSMAIINF	A_SXTP_DATA	DISABLED
GYSGSJ	TRIG_INS_REG_BUSMAIINF_COPY	A_SXTP_DATA_COPY	DISABLED
WMSYS	NO_VM_DDL		DISABLED
WMSYS	NO_VM_DROP_A		DISABLED
EXFSYS	EXPFIL_RESTRICT_TYPEEVOLVE		DISABLED
EXFSYS	EXPFIL_ALTEREXPTAB_MAINT		DISABLED
EXFSYS	EXPFIL_DROPOBJ_MAINT		DISABLED
EXFSYS	EXPFIL_DROPUSR_MAINT		DISABLED
EXFSYS	RLMGR_TRUNCATE_MAINT		DISABLED

注释：查询库节点1共有13个无效触发器。

表4.5 查询库节点2数据库无效触发器

OWER	TRIGGER	TABLE	STATUS
GZGS_HZ_CX	TR_YCML_NZ_ZT	YCML_NZ	DISABLED
GZGS_HZ_CX	TR_YCML_QY_ZT	YCML_QY	DISABLED
GYSGSJ	TRI_INS_REG_BUSMAIINF_FROMWEIX	A_SXWEIXIN_BUSMAIINF	DISABLED
GYSGSJ	TRIG_INS_INTRAE_TEST_BG	INTRAEXTRACONNECT	DISABLED
GYSGSJ	TRIG_INS_REG_BUSMAIINF	A_SXTP_DATA	DISABLED
GYSGSJ	TRIG_INS_REG_BUSMAIINF_COPY	A_SXTP_DATA_COPY	DISABLED
WMSYS	NO_VM_DDL		DISABLED
WMSYS	NO_VM_DROP_A		DISABLED
EXFSYS	EXPFIL_RESTRICT_TYPEEVOLVE		DISABLED
EXFSYS	EXPFIL_ALTEREXPTAB_MAINT		DISABLED
EXFSYS	EXPFIL_DROPOBJ_MAINT		DISABLED
EXFSYS	EXPFIL_DROPUSR_MAINT		DISABLED
EXFSYS	RLMGR_TRUNCATE_MAINT		DISABLED

注释：查询库节点2共有13个无效触发器。

表4.6 协同监管库数据库无效触发器

OWER	TRIGGER	TABLE	STATUS
GZGS_CREDIT_NEW	TG_INSERT_XZXKXX	XZXKXX	DISABLED
GZGS_YCML	TR_YCML_NZ_ZT	YCML_NZ	DISABLED
GZGS_YCML	TR_YCML_QY_ZT	YCML_QY	DISABLED
GZGS_DJ	TG_INSERT_REG_INVESTOR_ESI	REG_INVESTOR_ESI	DISABLED
GZGS_DJ	TG_INSERT_REG_MANAGER_ESI	REG_MANAGER_ESI	DISABLED
GZGS_DJ	TG_INSERT_REG_MARPRIPINFO_ESI	REG_MARPRIPINFO_ESI	DISABLED
GZGS_DJ	TG_INSERT_REG_LEGREPRE_ESI	REG_LEGREPRE_ESI	DISABLED
GZGS_DJ	TG_INSERT_ECPS_ENTYEAREXAMINFO	ECPS_ENTYEAREXAMINFO	DISABLED
GZGS_DJ	TG_INSERT_REG_ALTACCITEM_ESI	REG_ALTACCITEM_ESI	DISABLED
GZGS_DJ	TG_INSERT_REG_INTPLEINFO_ESI	REG_INTPLEINFO_ESI	DISABLED
GZGS_DJ	TG_INSERT_REG_MARPRIPCANCEL	REG_MARPRIPCANCEL_INV_ESI	DISABLED
WMSYS	NO_VM_DDL		DISABLED
WMSYS	NO_VM_DROP_A		DISABLED

EXFSYS	EXPFIL_RESTRICT_TYPEEVOLVE	DISABLED
EXFSYS	EXPFIL_ALTEREXPTAB_MAINT	DISABLED
EXFSYS	EXPFIL_DROPOBJ_MAINT	DISABLED
EXFSYS	EXPFIL_DROPUSR_MAINT	DISABLED
EXFSYS	RLMGR_TRUNCATE_MAINT	DISABLED

注释：协同监管库共有18个无效触发器。

4.3. 数据库无效索引

表4.7 查询库节点1无效索引

OWER	NAME	TABLE	TABLESPACE	STATUS

注释：查询库节点1共有0个无效索引。

表4.8 查询库节点2无效索引

OWER	NAME	TABLE	TABLESPACE	STATUS

注释：查询库节点2共有0个无效索引。

表4.9 协同监管库无效索引

OWER	NAME	TABLE	TABLESPACE	STATUS

注释：协同监管库共有0个无效索引。

4.4. 数据库无效约束

表4.10 查询库节点1无效约束

OWER	NAME	TABLE	TYPE	STATUS
GZGS_12315	CKC_CODE_SM_BM_UN	SM_BM_UNITGRADE	C	DISABLED
GZGS_12315	PK_BM_LZLXDM	BM_LZLXDM	P	DISABLED
GZGS_HZ_CX	QYFR_ZJM_3986244632	QYFR	U	DISABLED
GZGS_HZ_CX	JCXX	JJHK_ZXJC_JCXX	P	DISABLED
GZGS_HZ_CX	YZW_COMPOSITE_KEY_PK	YZW_COMPOSITE_KEY	P	DISABLED
GZGS_HZ_CX	A_MCHZ_DEL_KEY	A_MCHZ_DEL	P	DISABLED
GZGS_HZ_CX	A_WZDBSLDJ_XXX	A_WZDBZX	P	DISABLED

OWER	NAME	TABLE	TYPE	STATUS
GZGS_HZ_CX	SX_SCXX_X	SX_SCXX	P	DISABLED
GZGS_HZ_CX	SX_HZXX_X	SX_HZXX	P	DISABLED
OLAPSYS	CWM$DOMAIN_UK	CWM$DOMAIN	U	DISABLED

注释：查询库节点1共有10个无效约束。

表4.11 查询库节点2无效约束

OWER	NAME	TABLE	TYPE	STATUS
GZGS_12315	CKC_CODE_SM_BM_UN	SM_BM_UNITGRADE	C	DISABLED
GZGS_12315	PK_BM_LZLXDM	BM_LZLXDM	P	DISABLED
GZGS_HZ_CX	QYFR_ZJM_3986244632	QYFR	U	DISABLED
GZGS_HZ_CX	JCXX	JJHK_ZXJC_JCXX	P	DISABLED
GZGS_HZ_CX	YZW_COMPOSITE_KEY_PK	YZW_COMPOSITE_KEY	P	DISABLED
GZGS_HZ_CX	A_MCHZ_DEL_KEY	A_MCHZ_DEL	P	DISABLED
GZGS_HZ_CX	A_WZDBSLDJ_XXX	A_WZDBZX	P	DISABLED
GZGS_HZ_CX	SX_SCXX_X	SX_SCXX	P	DISABLED
GZGS_HZ_CX	SX_HZXX_X	SX_HZXX	P	DISABLED
OLAPSYS	CWM$DOMAIN_UK	CWM$DOMAIN	U	DISABLED

注释：查询库节点2共有10个无效约束。

表4.12 协同监管库无效约束

OWER	NAME	TABLE	TYPE	STATUS
GZGS_CREDIT_NEW	BIN$XSDPDbjIq9vgU2MAaQoIFw==$0	BIN$XSDPDbjKq9vgU2MAaQoIFw==$0	P	DISABLED
GZGS_CREDIT_NEW	UQ_GZMD_RLJL_NBXH	GZMD_RLJL	U	DISABLED
OLAPSYS	CWM$DOMAIN_UK	CWM$DOMAIN	U	DISABLED

注释：协同监管库共有3个无效约束。

4.5. 数据库组件对象

表4.13 查询库节点1数据库组件

ID	NAME	VERSION	STATUS
OWB	OWB	11.2.0.3.0	VALID
APEX	Oracle Application Express	3.2.1.00.12	VALID
EM	Oracle Enterprise Manager	11.2.0.3.0	VALID
AMD	OLAP Catalog	11.2.0.3.0	VALID
SDO	Spatial	11.2.0.3.0	VALID
ORDIM	Oracle Multimedia	11.2.0.3.0	VALID
XDB	Oracle XML Database	11.2.0.3.0	VALID
CONTEXT	Oracle Text	11.2.0.3.0	VALID
EXF	Oracle Expression Filter	11.2.0.3.0	VALID
RUL	Oracle Rules Manager	11.2.0.3.0	VALID
OWM	Oracle Workspace Manager	11.2.0.3.0	VALID
CATALOG	Oracle Database Catalog Views	11.2.0.3.0	VALID
CATPROC	Oracle Database Packages and Types	11.2.0.3.0	VALID
JAVAVM	JServer JAVA Virtual Machine	11.2.0.3.0	VALID
XML	Oracle XDK	11.2.0.3.0	VALID
CATJAVA	Oracle Database Java Packages	11.2.0.3.0	VALID
APS	OLAP Analytic Workspace	11.2.0.3.0	VALID
XOQ	Oracle OLAP API	11.2.0.3.0	VALID
RAC	Oracle Real Application Clusters	11.2.0.3.0	VALID

注释：查询库节点1共有19个组件。

表4.14 查询库节点2数据库组件

ID	NAME	VERSION	STATUS
OWB	OWB	11.2.0.3.0	VALID

APEX	Oracle Application Express	3.2.1.00.12	VALID
EM	Oracle Enterprise Manager	11.2.0.3.0	VALID
AMD	OLAP Catalog	11.2.0.3.0	VALID
SDO	Spatial	11.2.0.3.0	VALID
ORDIM	Oracle Multimedia	11.2.0.3.0	VALID
XDB	Oracle XML Database	11.2.0.3.0	VALID
CONTEXT	Oracle Text	11.2.0.3.0	VALID
EXF	Oracle Expression Filter	11.2.0.3.0	VALID
RUL	Oracle Rules Manager	11.2.0.3.0	VALID
OWM	Oracle Workspace Manager	11.2.0.3.0	VALID
CATALOG	Oracle Database Catalog Views	11.2.0.3.0	VALID
CATPROC	Oracle Database Packages and Types	11.2.0.3.0	VALID
JAVAVM	JServer JAVA Virtual Machine	11.2.0.3.0	VALID
XML	Oracle XDK	11.2.0.3.0	VALID
CATJAVA	Oracle Database Java Packages	11.2.0.3.0	VALID
APS	OLAP Analytic Workspace	11.2.0.3.0	VALID
XOQ	Oracle OLAP API	11.2.0.3.0	VALID
RAC	Oracle Real Application Clusters	11.2.0.3.0	VALID

注释：查询库节点2共有19个组件。

表4.15 协同监管库数据库组件

ID	NAME	VERSION	STATUS
OWB	OWB	11.2.0.3.0	VALID
APEX	Oracle Application Express	3.2.1.00.12	VALID
EM	Oracle Enterprise Manager	11.2.0.3.0	VALID
AMD	OLAP Catalog	11.2.0.3.0	VALID
SDO	Spatial	11.2.0.3.0	VALID

ORDIM	Oracle Multimedia	11.2.0.3.0	VALID
XDB	Oracle XML Database	11.2.0.3.0	VALID
CONTEXT	Oracle Text	11.2.0.3.0	VALID
EXF	Oracle Expression Filter	11.2.0.3.0	VALID
RUL	Oracle Rules Manager	11.2.0.3.0	VALID
OWM	Oracle Workspace Manager	11.2.0.3.0	VALID
CATALOG	Oracle Database Catalog Views	11.2.0.3.0	VALID
CATPROC	Oracle Database Packages and Types	11.2.0.3.0	VALID
JAVAVM	JServer JAVA Virtual Machine	11.2.0.3.0	VALID
XML	Oracle XDK	11.2.0.3.0	VALID
CATJAVA	Oracle Database Java Packages	11.2.0.3.0	VALID
APS	OLAP Analytic Workspace	11.2.0.3.0	VALID
XOQ	Oracle OLAP API	11.2.0.3.0	VALID

注释：协同监管库共有18个组件。

5. 数据库性能分析

5.1 SQL性能统计

5.1.1 最近CPU消耗最高的前10条SQL

表5.1 查询库节点1数据库CPU消耗之SQL

SQL_ID	SQL_TEXT	CPU_TIME	DISK_READ_TIME	COUNTS
5zruc4v6y32f9	DECLARE job BINARY_INTEGER := : job; next_date TIMESTAMP WITH TIME ZONE := :mydate; broken BOOLEAN	3909531662	104520	24
4qfjph6yrgucu	INSERT INTO LZZH_GUOSHUI_SW XX01(ID, UNISCID, WSZG, NSRMC, KJSWJG, KJRQ, INFOTIME) SELECT ID||99, UNI......	4836628518	220	336
1sc1shnp5dpfd	select t.* from(select * from lzzh_sync_log a where a.id not in(select b.SYNCID from lzzh_sync_detai......	13880239856	23656	254
2nmptgzx1rv1n	INSERT INTO LZZH_DISHUI_SWXX 02(ID, UNISCID, ZGSWJG, NSRZT, YBNSRZG, NSRXYDJ, INFOTIME) SELECT ID||99......	9932814526	4	336
0360tpj2j7thu	DECLARE job BINARY_INTEGER := : job; next_date DATE := :mydate; broken BOOLEAN := FALSE; BEGIN lzzh_......	29896817272	574	336
bjjyzdc9k26ra	INSERT INTO LZZH_GUOSHUI_SW XX02(ID, UNISCID, ZGSWJG, NSRZT, YBNSRZG, NSRXYDJ, INFOTIME) SELECT ID||9......	11623463150	348	336
cwx0zf74mpr3v	select f.id,f.pdfno,f.xmltemplate,f.x mlverify,f.createtime,j.id,j.codeid,j. bizid,j.downloadtime,j.pd......	2477957348	9488	90
cn17p88d4um9a	INSERT INTO LZZH_DISHUI_SWXX 01(ID, UNISCID, WSZG, NSRMC, KJSWJG, KJRQ, INFOTIME) SELECT ID||99, UNIS......	3096820438	0	336
772s25v1y0x8k	select shared_pool_size_for_estima te s, shared_pool_size_factor * 100 f, estd_lc_l......	4708418214	0	670

SQL_ID		CPU_TIME	DISK_READ_TIME	COUNTS
4u3wppkv1ud9c	SELECT COUNT(*) FROM (SELECT B.NBXH,B.ZCH,B.QYMC,B.QYLX,'1' ZTLX,A.CCRQ,A.CCJG,ROWNUM ROW_NUM FROM X......	5256554808	115746	336

注释：以上列出的是最近消耗CPU资源排名前十的SQL语句

表5.2 查询库节点2数据库CPU消耗之SQL

SQL_ID	SQL_TEXT	CPU_TIME	DISK_READ_TIME	COUNTS
5zruc4v6y32f9	DECLARE job BINARY_INTEGER := : job; next_date TIMESTAMP WITH TIME ZONE := :mydate; broken BOOLEAN	3909531662	104520	24
4qfjph6yrgucu	INSERT INTO LZZH_GUOSHUI_SW XX01(ID, UNISCID, WSZG, NSRMC, KJSWJG, KJRQ, INFOTIME) SELECT ID||99, UNI......	4836628518	220	336
1sc1shnp5dpfd	select t.* from(select * from lzzh_sync_log a where a.id not in(select b.SYNCID from lzzh_sync_detai......	13880239856	23656	254
2nmptgzx1rv1n	INSERT INTO LZZH_DISHUI_SWXX 02(ID, UNISCID, ZGSWJG, NSRZT, YBNSRZG, NSRXYDJ, INFOTIME) SELECT ID||99......	9932814526	4	336
0360tpj2j7thu	DECLARE job BINARY_INTEGER := : job; next_date DATE := :mydate; broken BOOLEAN := FALSE; BEGIN lzzh_......	29896817272	574	336
bjjyzdc9k26ra	INSERT INTO LZZH_GUOSHUI_SW XX02(ID, UNISCID, ZGSWJG, NSRZT, YBNSRZG, NSRXYDJ, INFOTIME) SELECT ID||9......	11623463150	348	336
cwx0zf74mpr3v	select f.id,f.pdfno,f.xmltemplate,f.x mlverify,f.createtime,j.id,j.codeid,j. bizid,j.downloadtime,j.pd......	2477957348	9488	90
cn17p88d4um9a	INSERT INTO LZZH_DISHUI_SWXX 01(ID, UNISCID, WSZG, NSRMC, KJSWJG, KJRQ, INFOTIME) SELECT ID||99, UNIS......	3096820438	0	336
772s25v1y0x8k	select shared_pool_size_for_estima te s, shared_pool_size_factor * 100 f, estd_lc_l......	4708418214	0	670

	SELECT COUNT(*) FROM (SELECT B.NBXH,B.ZCH,B.QYMC,B.QYLX,'1' ZTLX,A.CCRQ,A.CCJG,ROWNUM			
4u3wppkv1ud9c	ROW_NUM FROM X......	5256554808	115746	336

注释：以上列出的是最近消耗CPU资源排名前十的SQL语句

表5.3 协同监管库数据库CPU消耗之SQL

SQL_ID	SQL_TEXT	CPU_TIME	DISK_READ_TIME	COUNTS
23ct052xf565u	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	32827908387	178357781	289
fpvcf9mg2hugv	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	38169968272	179686242	336
9cxjaubu5rqsd	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	37547517926	178848539	287
d0xn27p6aqb75	SELECT ID, NBXH, CUSTOMSETTLEMENT, CLEANBONDUNIT, EXTCLEBRSIGN, CANCELBRSIGN, AFFWRITNO, CLEANTAX, P......	45539201010	391	99
76jj0840d016j	UPDATE gs_zxxx SET ID = :1 , NBXH = :2 , CUSTOMSETTLEMENT = :3 , CLEANBONDUNIT = :4 , E......	49814804986	0	99
9haj5xxu5tj4a	DECLARE job BINARY_INTEGER := :job; next_date DATE := :mydate; broken BOOLEAN := FALSE; BEGIN JYYC_......	89745352688	27	168
6kdm1g4wkaj6m	SELECT COUNT(DISTINCT A.NBXH) HS,COUNT(A.NBXH) TS FROM YCML_GT A WHERE EXISTS (SELECT 1 FROM REG_MAR......	62596116985	18	168
dfdjvy5gnpqdu	SELECT (a.qyzs-b.qylrs) qyzcs,b.qylrs,(c.nzzs-d.nzlrs) nzzcs,d.nzlrs,(e.gtzs-f.gtlrs) gtzcs,f.gtlrs	226516688324	39706	168
a2hk7vqz7k68k	SELECT g.bm,g.nr,g.jc,NVL(qyzs,0) qyzs,NVL(qylrs,0) qylrs,NVL(qyycs, 0) qyycs,NVL(nzzs,0) nzzs,NVL(nz......	181935542779	40211	289

3g6cqn867pmy1	SELECT bm,nr,jc,NVL(w.qywnb,0) qywnb,NVL(w.qywgs,0) qywgs,NVL(w.qyxjxx,0) qyxjxx,NVL(w.qysl,0) qysl,......	85650428149	55224	414

注释：以上列出的是最近消耗CPU资源排名前十的SQL语句

5.1.2 最近物理读消耗最高的前10条SQL

表5.4 查询库节点1数据库IO消耗之SQL

SQL_ID	SQL_TEXT	DISK_GETS_TIME	CPU_TIME	COUNTS
3x71qcz1auw6t	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803280018', ' SYSTEM', 0); END;	727088	63610328	2
6mcpb06rctk0x	call dbms_space.auto_space_advis or_job_proc ( )......	6715972	1051760108	32
gmv29fvbgzuhm	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803270018', ' SYSTEM', 0); END;	726918	61088714	2
7wgks43wrjtrz	SELECT U.SPACE_USED, U.SPACE_ALLOCATED FROM TABLE(DBMS_SPACE.OBJECT_SPA CE_USAGE_TBF(:B1 , :B2 , :B3......	3141836	399563244	8
927pb2mb355aq	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803230018', ' SYSTEM', 0); END;	727262	61818602	2
anvnpqrc2mht5	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803240018', ' SYSTEM', 0); END;	726772	55625544	2
3r8afmt8179wj	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803260018', ' SYSTEM', 0); END;	726270	59602938	2
8szmwam7fysa3	insert into wri$_adv_objspace_tren d_data select timepoint, space_usage, space_alloc, quality from	3152940	447060068	12
fwnhw1hztsus3	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803250018', ' SYSTEM', 0); END;	726274	61620632	2
8yddrrgdmkrac	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803290018', ' SYSTEM', 0); END;	726198	57805210	2

注释：以上列出的是最近消耗IO资源排名前十的SQL语句

表5.5 查询库节点2数据库IO消耗之SQL

SQL_ID	SQL_TEXT	DISK_GETS_TIME	CPU_TIME	COUNTS
3x71qcz1auw6t	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803280018', ' SYSTEM', 0); END; ……	727088	63610328	2
6mcpb06rctk0x	call dbms_space.auto_space_advis or_job_proc ( )……	6715972	1051760108	32
gmv29fvbgzuhm	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803270018', ' SYSTEM', 0); END; ……	726918	61088714	2
7wgks43wrjtrz	SELECT U.SPACE_USED, U.SPACE_ALLOCATED FROM TABLE(DBMS_SPACE.OBJECT_SPA CE_USAGE_TBF(:B1 , :B2 , :B3……	3141836	399563244	8
927pb2mb355aq	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803230018', ' SYSTEM', 0); END; ……	727262	61818602	2
anvnpqrc2mht5	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803240018', ' SYSTEM', 0); END; ……	726772	55625544	2
3r8afmt8179wj	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803260018', ' SYSTEM', 0); END; ……	726270	59602938	2
8szmwam7fysa3	insert into wri$_adv_objspace_tren d_data select timepoint, space_usage, space_alloc, quality from ……	3152940	447060068	12
fwnhw1hztsus3	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803250018', ' SYSTEM', 0); END; ……	726274	61620632	2
8yddrrgdmkrac	BEGIN SYS.KUPW$WORKER.MAIN ('PROD1201803290018', ' SYSTEM', 0); END; ……	726198	57805210	2

注释：以上列出的是最近消耗IO资源排名前十的SQL语句

表5.6 协同监管库数据库IO消耗之SQL

SQL_ID	SQL_TEXT	DISK_GETS_TIME	CPU_TIME	COUNTS
83q2fpbwzq342	SELECT '2018-03-21 23:59:59' rq , COUNT(1) CNT FROM ecps_entyearexaminfo A,reg_marpripinfo_……	26167723	692976644	54

23ct052xf565u	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	178357781	32827908387	289
fpvcf9mg2hugv	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	179686242	38169968272	336
9cxjaubu5rqsd	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	178848539	37547517926	287
gy2jw4zad5v8n	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	118004296	14642823977	288
cutj0wbd8junu	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	116964549	13403001413	292
947wfa1uu14t8	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	118005475	14430636192	291
d8sttu0w5ft70	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	27376726	934280975	37
48vtyqmn0w1h4	SELECT NBND, DJJG, RANK, hydm, DLMC, XLMC, CNT FROM (SELECT NBND, ...	64541214	2505203127	97
0uqzaqdyutgfx	SELECT SUBSTR(c.code, 1, 6) djjg, A.ANCHEYEAR ND, SUM(DECODE(SIGN(TO_NUMBER(TO......	118557284	8764434622	168

注释：以上列出的是最近消耗IO资源排名前十的SQL语句

5.1.3 最近逻辑读消耗最高的前10条SQL

表5.7 查询库节点1数据库逻辑读消耗之SQL

SQL_ID	SQL_TEXT	BUFFER_GETS_TIME	CPU_TIME	COUNTS
brrw2js1658k3	select * from tdwebreguserinfo where recordid in (select userid from activitystep where recordid =:......	145416572	1146867570	70
5zruc4v6y32f9	DECLARE job BINARY_INTEGER := : job; next_date TIMESTAMP WITH TIME ZONE := :mydate; broken BOOLEAN	160281602	3909531662	24

SQL_ID	SQL_TEXT	BUFFER_GETS_TIME	CPU_TIME	COUNTS
4qfjph6yrgucu	INSERT INTO LZZH_GUOSHUI_SW XX01(ID, UNISCID, WSZG, NSRMC, KJSWJG, KJRQ, INFOTIME) SELECT ID||99, UNI......	271254436	4836628518	336
1sc1shnp5dpfd	select t.* from(select * from lzzh_sync_log a where a.id not in(select b.SYNCID from lzzh_sync_detai......	788470992	13880239856	254
2nmptgzx1rv1n	INSERT INTO LZZH_DISHUI_SWXX 02(ID, UNISCID, ZGSWJG, NSRZT, YBNSRZG, NSRXYDJ, INFOTIME) SELECT ID||99......	611506060	9932814526	336
0360tpj2j7thu	DECLARE job BINARY_INTEGER := : job; next_date DATE := :mydate; broken BOOLEAN := FALSE; BEGIN lzzh_......	1771325078	29896817272	336
bjjyzdc9k26ra	INSERT INTO LZZH_GUOSHUI_SW XX02(ID, UNISCID, ZGSWJG, NSRZT, YBNSRZG, NSRXYDJ, INFOTIME) SELECT ID||9......	611495940	11623463150	336
cwx0zf74mpr3v	select f.id,f.pdfno,f.xmltemplate,f.x mlverify,f.createtime,j.id,j.codeid,j. bizid,j.downloadtime,j.pd......	1370958922	2477957348	90
cn17p88d4um9a	INSERT INTO LZZH_DISHUI_SWXX 01(ID, UNISCID, WSZG, NSRMC, KJSWJG, KJRQ, INFOTIME) SELECT ID||99, UNIS......	271253190	3096820438	336
4u3wppkv1ud9c	SELECT COUNT(*) FROM (SELECT B.NBXH,B.ZCH,B.QYMC,B.QYLX,'1' ZTLX,A.CCRQ,A.CCJG,ROWNUM ROW_NUM FROM X......	154796038	5256554808	336

注释：以上列出的是最近逻辑读资源消耗排名前十的SQL语句

表5.8 查询库节点2数据库逻辑读消耗之SQL

SQL_ID	SQL_TEXT	BUFFER_GETS_TIME	CPU_TIME	COUNTS
brrw2js1658k3	select * from tdwebreguserinfo where recordid in (select userid from activitystep where recordid =:......	145416572	1146867570	70
5zruc4v6y32f9	DECLARE job BINARY_INTEGER := : job; next_date TIMESTAMP WITH TIME ZONE := :mydate; broken BOOLEAN	160281602	3909531662	24

SQL_ID	SQL_TEXT			
4qfjph6yrgucu	INSERT INTO LZZH_GUOSHUI_SW XX01(ID, UNISCID, WSZG, NSRMC, KJSWJG, KJRQ, INFOTIME) SELECT ID||99, UNI......	271254436	4836628518	336
1sc1shnp5dpfd	select t.* from(select * from lzzh_sync_log a where a.id not in(select b.SYNCID from lzzh_sync_detai......	788470992	13880239856	254
2nmptgzx1rv1n	INSERT INTO LZZH_DISHUI_SWXX 02(ID, UNISCID, ZGSWJG, NSRZT, YBNSRZG, NSRXYDJ, INFOTIME) SELECT ID||99......	611506060	9932814526	336
0360tpj2j7thu	DECLARE job BINARY_INTEGER := : job; next_date DATE := :mydate; broken BOOLEAN := FALSE; BEGIN lzzh_......	1771325078	29896817272	336
bjjyzdc9k26ra	INSERT INTO LZZH_GUOSHUI_SW XX02(ID, UNISCID, ZGSWJG, NSRZT, YBNSRZG, NSRXYDJ, INFOTIME) SELECT ID||9......	611495940	11623463150	336
cwx0zf74mpr3v	select f.id,f.pdfno,f.xmltemplate,f.x mlverify,f.createtime,j.id,j.codeid,j. bizid,j.downloadtime,j.pd......	1370958922	2477957348	90
cn17p88d4um9a	INSERT INTO LZZH_DISHUI_SWXX 01(ID, UNISCID, WSZG, NSRMC, KJSWJG, KJRQ, INFOTIME) SELECT ID||99, UNIS......	271253190	3096820438	336
4u3wppkv1ud9c	SELECT COUNT(*) FROM (SELECT B.NBXH,B.ZCH,B.QYMC,B.QYLX,'1' ZTLX,A.CCRQ,A.CCJG,ROWNUM ROW_NUM FROM X......	154796038	5256554808	336

注释：以上列出的是最近逻辑读资源消耗排名前十的SQL语句

表5.9 协同监管库数据库逻辑读消耗之SQL

SQL_ID	SQL_TEXT	BUFFER_GETS_TIME	CPU_TIME	COUNTS
7s1fu5kyz3gdy	SELECT COUNT(DISTINCT A.NBXH) HS,COUNT(A.NBXH) TS FROM YCML_QY A WHERE EXISTS (SELECT 1 FROM REG_MAR......	10877808972	25509591119	168
d0xn27p6aqb75	SELECT ID, NBXH, CUSTOMSETTLEMENT, CLEANBONDUNIT, EXTCLEBRSIGN, CANCELBRSIGN, AFFWRITNO, CLEANTAX, P......	5715289776	45539201010	99

76jj0840d016j	UPDATE gs_zxxx SET ID = :1 , NBXH = :2 , CUSTOMSETTLEMENT = :3 , CLEANBONDUNIT = :4 , E......	5526765807	49814804986	99
9haj5xxu5tj4a	DECLARE job BINARY_INTEGER := : job; next_date DATE := :mydate; broken BOOLEAN := FALSE; BEGIN JYYC_......	40725062949	89745352688	168
6kdm1g4wkaj6m	SELECT COUNT(DISTINCT A.NBXH) HS,COUNT(A.NBXH) TS FROM YCML_GT A WHERE EXISTS (SELECT 1 FROM REG_MAR......	30805546084	62596116985	168
dfdjvy5gnpqdu	SELECT (a.qyzs-b.qylrs) qyzcs,b.qylrs,(c.nzzs-d.nzlrs) nzzcs,d.nzlrs,(e.gtzs-f.gtlrs) gtzcs,f.gtlrs	19042681012	226516688324	168
0rnudh0q10tgx	SELECT NVL(a.bm,NVL(b.bm,c.bm)) bm,nvl(a.zjfd,NVL(b.zjfd,c.zjfd)) zjfd,NVL(a.qysl,0) qysl,NVL(b.gtsl..... .	3839878670	20028110253	168
a2hk7vqz7k68k	SELECT g.bm,g.nr,g.jc,NVL(qyzs,0) qyzs,NVL(qylrs,0) qylrs,NVL(qyycs, 0) qyycs,NVL(nzzs,0) nzzs,NVL(nz......	28265980708	181935542779	289
3g6cqn867pmy1	SELECT bm,nr,jc,NVL(w.qywnb,0) qywnb,NVL(w.qywgs,0) qywgs,NVL(w.qyxjxx,0) qyxjxx,NVL(w.qysl,0) qysl,......	9412929787	85650428149	414
149kfk27g8n5g	SELECT f.parind||f.code dlbm,f.name dlnr,e.djjg,f.parind||d. code bm,d.name nr,e.qysl,e.qypm, e.gtsl,e......	3843672432	20238704268	168

注释：以上列出的是最近逻辑读资源消耗排名前十的SQL语句

5.1.4 最近物执行次数最多的前10条SQL

表5.10 查询库节点1数据库SQL执行次数统计

SQL_ID	SQL_TEXT	EXECUTIONS	CPU_TIME	COUNTS
0k8522rmdzg4k	select privilege# from sysauth$ where (grantee#=:1 or grantee#=1) and privilege#>0......	517748	174613234	354

SQL_ID	SQL_TEXT	EXECUTIONS	CPU_TIME	COUNTS
cm5vu20fhtnq1	select /*+ connect_by_filtering */ privilege#,level from sysauth$ connect by grantee#=prior privileg......	2769034	427959240	362
87gaftwrm2h68	select o.owner#,o.name,o.namespace,o.remoteowner,o.linkname,o.subname from obj$ o where o.obj#=:1......	869086	14587798	330
7c788jjtrpfbt	SELECT DECODE(status, 'STALE', 1, 0) FROM v$logfile WHERE member = :log_name	936558	446461824	320
dr97hbjraumrm	SELECT 1 FROM V$LOGFILE WHERE(STATUS NOT IN ('STALE', 'INVALID') OR STATUS IS NULL) AND MEMBER......	974326	1992214942	334
8ydcdrdu92qdd	SELECT MAX(sequence#) FROM v$log WHERE thread# = :ora_thread AND archived = 'NO' AND status i......	974326	661337930	334
9gdcsdf04pab3	SELECT DECODE(archived, 'YES', 1, 0), status FROM v$log WHERE thread# = :ora_thread AND	974320	915689224	334
5ms6rbzdnq16t	select job, nvl2(last_date, 1, 0) from sys.job$ where (((:1 <= next_date) and (next_date <= :2))	1974568	1095508532	392
7h35uxf5uhmm1	select sysdate from dual......	2203534	62288392	232
b7t0nj2bquw2w	begin dbms_application_info.set_client_info(sys_context('userenv', 'ip_address')); end;......	518834	238802598	366

注释：以上列出的是最近消执行次数排名前十的SQL语句

表5.11 查询库节点2数据库SQL执行次数统计

SQL_ID	SQL_TEXT	EXECUTIONS	CPU_TIME	COUNTS
0k8522rmdzg4k	select privilege# from sysauth$ where (grantee#=:1 or grantee#=1) and privilege#>0......	517748	174613234	354
cm5vu20fhtnq1	select /*+ connect_by_filtering */ privilege#,level from sysauth$ connect by grantee#=prior privileg......	2769034	427959240	362

SQL_ID	SQL_TEXT	EXECUTIONS	CPU_TIME	COUNTS
87gaftwrm2h68	select o.owner#,o.name,o.namespace,o.remoteowner,o.linkname,o.subname from obj$ o where o.obj#=:1......	869086	14587798	330
7c788jjtrpfbt	SELECT DECODE(status, 'STALE', 1, 0) FROM v$logfile WHERE member = :log_name	936558	446461824	320
dr97hbjraumrm	SELECT 1 FROM V$LOGFILE WHERE(STATUS NOT IN ('STALE', 'INVALID') OR STATUS IS NULL) AND MEMBER......	974326	1992214942	334
8ydcdrdu92qdd	SELECT MAX(sequence#) FROM v$log WHERE thread# = :ora_thread AND archived = 'NO' AND status i......	974326	661337930	334
9gdcsdf04pab3	SELECT DECODE(archived, 'YES', 1, 0), status FROM v$log WHERE thread# = :ora_thread AND	974320	915689224	334
5ms6rbzdnq16t	select job, nvl2(last_date, 1, 0) from sys.job$ where (((:1 <= next_date) and (next_date <= :2))	1974568	1095508532	392
7h35uxf5uhmm1	select sysdate from dual......	2203534	62288392	232
b7t0nj2bquw2w	begin dbms_application_info.set_client_info(sys_context('userenv', 'ip_address')); end;......	518834	238802598	366

注释：以上列出的是最近消执行次数排名前十的SQL语句

表5.12 协同监管库数据库SQL执行次数统计

SQL_ID	SQL_TEXT	EXECUTIONS	CPU_TIME	COUNTS
0k8522rmdzg4k	select privilege# from sysauth$ where (grantee#=:1 or grantee#=1) and privilege#>0......	655026	37449411	168
cm5vu20fhtnq1	select /*+ connect_by_filtering */ privilege#,level from sysauth$ connect by grantee#=prior privileg......	2797277	131733574	168
aq8yqxyyb40nn	update sys.job$ set this_date=:1 where job=:2......	377046	65897975	168
cumjq42201t37	select u1.user#, u2.user#, u3.user#, failures, flag, interval#, what, nlsenv, env, field1, next_d......	375435	11837162	168

SQL_ID	SQL_TEXT			
47a50dvdgnxc2	update sys.job$ set failures=0, this_date=null, flag=:1, last_date=:2, next_date = greatest(:3, sys......	377048	109272339	168
a4y9vqmdagx2z	SELECT USER# FROM SYS.USER$ WHERE NAME = :B1	362371	10185370	168
27qsj3phzykzn	select SYSDATE + (1/24/60/60) from dual......	362469	34682729	168
5tvn4u6bj2gcy	SELECT /*+ ORDERED USE_NL(o) */ IDX_ID, IDX_TYPE, :B1 , :B3 , IDX_NAME, U.NAME, O.NAME, IDX_TABLE#, ...	361322	40011002	168
4m5huq2ur8591	SELECT STATE FROM GS_ZYRY WHERE ((ID = :1))	23949523	3978418	6
24gd1g10j2hk7	UPDATE GS_JBXX SET NBXH = :1 , MC = :2 , GSZCH = :3 , ZS = :4 , FDDBR = :5 , JJXZ = ...	411271	676993266	11

注释：以上列出的是最近消执行次数排名前十的SQL语句

5.1.5 最近排序消耗最高的前10条SQL

表5.13 查询库节点1数据库SQL排序资源统计

SQL_ID	SQL_TEXT	SORTS	CPU_TIME	COUNTS
az33m61ym46y4	SELECT NULL AS table_cat, o.owner AS table_schem, o.object_name AS table_name, ...	191192	202834800	2946
ddtx15a9nzmjt	SELECT nvl(iot_name, 'NULL') FROM all_tables WHERE owner = :owner AND table_name = :ob......	40278	96497472	294
bn4b3vjw2mj3u	SELECT OBJOID, CLSOID, DECODE(BITAND(FLAGS, 16384), 0, RUNTIME, LETIME), (2*PRI + ...	150056	50516526	684
aykvshm7zsabd	select size_for_estimate, size_factor * 100 f, estd_physical......	241152	180118998	672
9dhn1b8d88dpf	select OBJOID, CLSOID, RUNTIME, PRI, JOBTYPE, SCHLIM, WT, INST, RUNNOW, ENQ_SCHLIM from (select......	136732	103378058	1936
dr97hbjraumrm	SELECT 1 FROM V$LOGFILE WHERE(STATUS NOT IN ('STALE', 'INVALID') OR STATUS IS NULL) AND MEMBER......	974330	1992214942	334

SQL_ID	SQL_TEXT	SORTS	CPU_TIME	COUNTS
9gdcsdf04pab3	SELECT DECODE(archived, 'YES', 1, 0), status FROM v$log WHERE thread# = :ora_thread AND	974330	915689224	334
5ms6rbzdnq16t	select job, nvl2(last_date, 1, 0) from sys.job$ where (((:1 <= next_date) and (next_date <= :2))	1974568	1095508532	392
bx4shbmvpr31z	select * from a_sxtp_data where entname = :1 and sqtype = :2 order by createdate desc......	75948	171532072	64
db78fxqxwxt7r	select /*+ rule */ bucket, endpoint, col#, epvalue from histgrm$ where obj#=:1 and intcol#=:2 and ro......	138984	23240376	130

注释：以上列出的是最近排序资源消耗排名前十的SQL语句

表5.14 查询库节点2数据库SQL排序资源统计

SQL_ID	SQL_TEXT	SORTS	CPU_TIME	COUNTS
az33m61ym46y4	SELECT NULL AS table_cat, o.owner AS table_schem, o.object_name AS table_name, ...	191192	202834800	2946
ddtx15a9nzmjt	SELECT nvl(iot_name, 'NULL') FROM all_tables WHERE owner = :owner AND table_name = :ob......	40278	96497472	294
bn4b3vjw2mj3u	SELECT OBJOID, CLSOID, DECODE(BITAND(FLAGS, 16384), 0, RUNTIME, LETIME), (2*PRI + ...	150056	50516526	684
aykvshm7zsabd	select size_for_estimate, size_factor * 100 f, estd_physical......	241152	180118998	672
9dhn1b8d88dpf	select OBJOID, CLSOID, RUNTIME, PRI, JOBTYPE, SCHLIM, WT, INST, RUNNOW, ENQ_SCHLIM from (select......	136732	103378058	1936
dr97hbjraumrm	SELECT 1 FROM V$LOGFILE WHERE(STATUS NOT IN ('STALE', ' INVALID') OR STATUS IS NULL) AND MEMBER......	974330	1992214942	334
9gdcsdf04pab3	SELECT DECODE(archived, 'YES', 1, 0), status FROM v$log WHERE thread# = :ora_thread AND	974330	915689224	334

SQL_ID	SQL_TEXT			
5ms6rbzdnq16t	select job, nvl2(last_date, 1, 0) from sys.job$ where (((:1 <= next_date) and (next_date <= :2))	1974568	1095508532	392
bx4shbmvpr31z	select * from a_sxtp_data where entname = :1 and sqtype = :2 order by createdate desc......	75948	171532072	64
db78fxqxwxt7r	select /*+ rule */ bucket, endpoint, col#, epvalue from histgrm$ where obj#=:1 and intcol#=:2 and ro......	138984	23240376	130

注释：以上列出的是最近排序资源消耗排名前十的SQL语句

表5.15 协同监管库数据库SQL排序资源统计

SQL_ID	SQL_TEXT	SORTS	CPU_TIME	COUNTS
9dhn1b8d88dpf	select OBJOID, CLSOID, RUNTIME, PRI, JOBTYPE, SCHLIM, WT, INST, RUNNOW, ENQ_SCHLIM from (select......	7482	2854556	168
az33m61ym46y4	SELECT NULL AS table_cat, o.owner AS table_schem, o.object_name AS table_name, ...	228144	18366214	336
7s1fu5kyz3gdy	SELECT COUNT(DISTINCT A.NBXH) HS,COUNT(A.NBXH) TS FROM YCML_QY A WHERE EXISTS (SELECT 1 FROM REG_MAR......	127869	25509591119	168
c8khjbn635s3c	select s.synonym_name object_name, o.object_type from all_synonyms s, sys.all_objects o where s......	21330	37045373	9
8bmc9596346p9	select code,mc from sczt_index where trim(mc)='?????????????????' group by code,mc order by code......	14898	11245123229	155
bn4b3vjw2mj3u	SELECT OBJOID, CLSOID, DECODE(BITAND(FLAGS, 16384), 0, RUNTIME, LETIME), (2*PRI + ...	11070	1153830	168
a12ksaa6zftp7	SELECT NVL(a.bm,NVL(b.bm,c.bm)) bm,NVL(a.nr,NVL(b.nr,c.nr)) nr,NVL(a.qysl,0) qysl,NVL(b.gtsl,0) gtsl......	7057	5367084077	336

f5yun5dynkskv	select s.synonym_name as object_name, o.object_type from all_synonyms s, sys.all_objects o where......	6220	11057318	5
6kdm1g4wkaj6m	SELECT COUNT(DISTINCT A.NBXH) HS,COUNT(A.NBXH) TS FROM YCML_GT A WHERE EXISTS (SELECT 1 FROM REG_MAR......	127869	62596116985	168
dfdjvy5gnpqdu	SELECT (a.qyzs-b.qylrs) qyzcs,b.qylrs,(c.nzzs-d.nzlrs) nzzcs,d.nzlrs,(e.gtzs-f.gtlrs) gtzcs,f.gtlrs	161259	226516688324	168

注释：以上列出的是最近排序资源消耗排名前十的SQL语句

5.2 日志增量统计
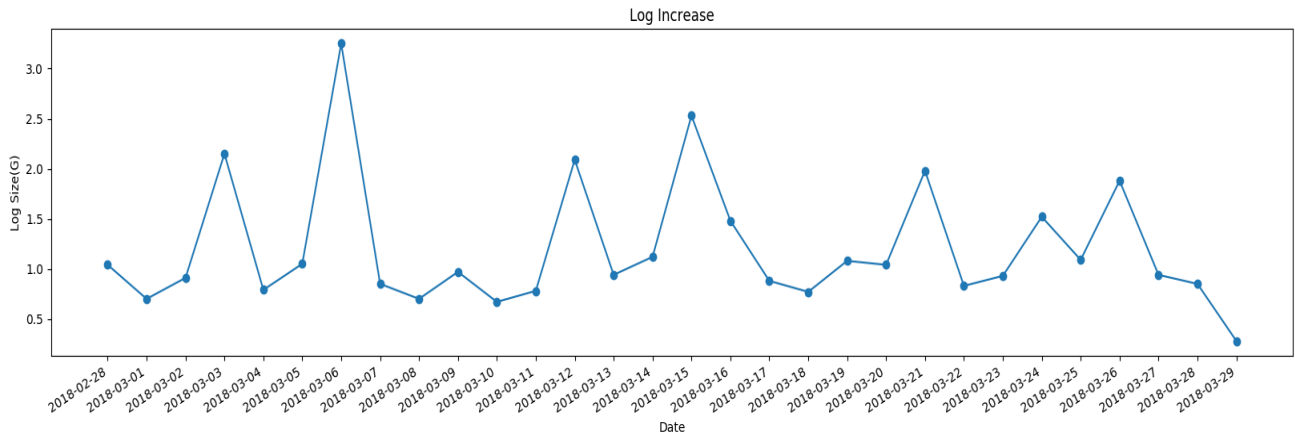
图5.16 查询库节点1数据库日志增长统计

注释：上图为数据库每日日志增长量。
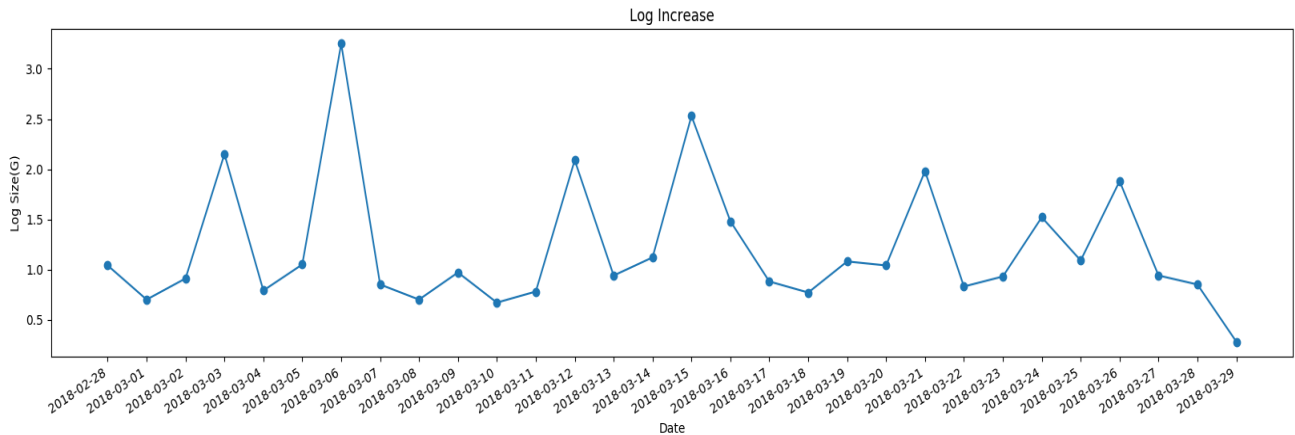
图5.17 查询库节点2数据库日志增长统计

注释：上图为数据库每日日志增长量。
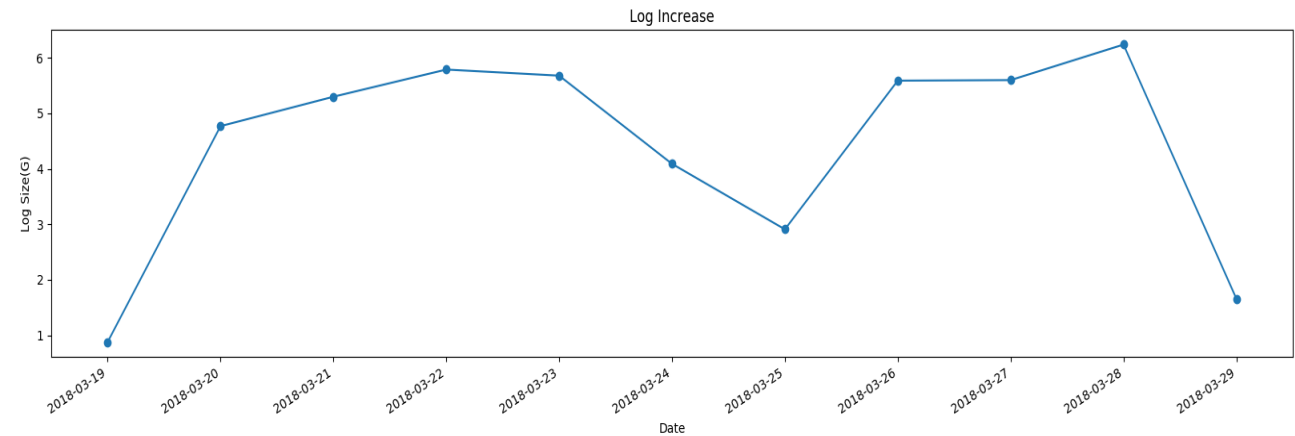
图5.18 协同监管库数据库日志增长统计

注释：上图为数据库每日日志增长量。

5.3 数据库关键指标分析

5.3.1 Buffer Cache命中率
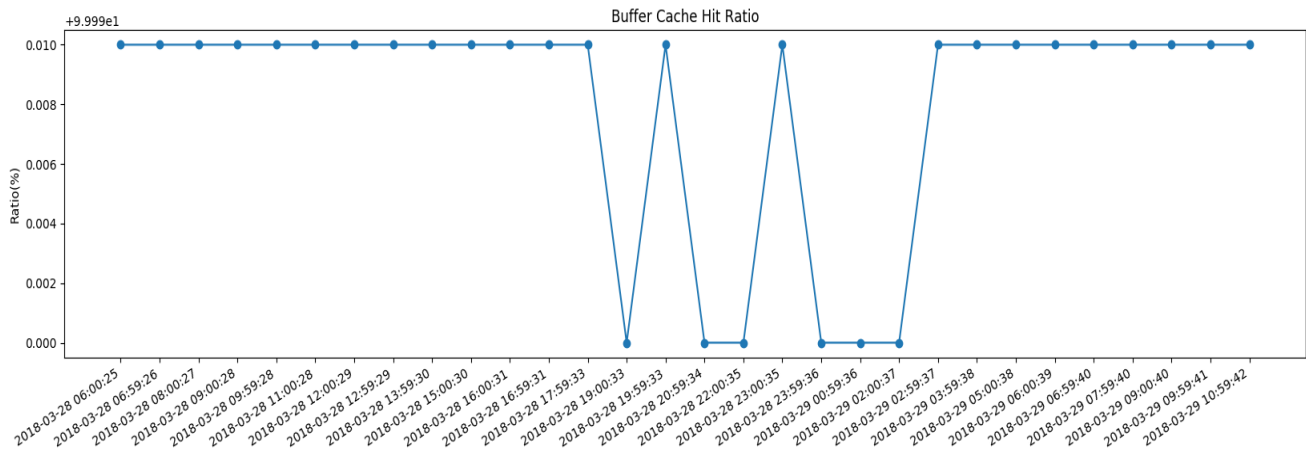
图5.19 查询库节点1Buffer Cache命中率

注释：上图为数据库最近Buffer Cache命中率情况，命中率越高，表示缓存在内存中的数据使用效率越高，当改值小于95%时，物理IO等待可能会出现，要分析该命中率低的原因。
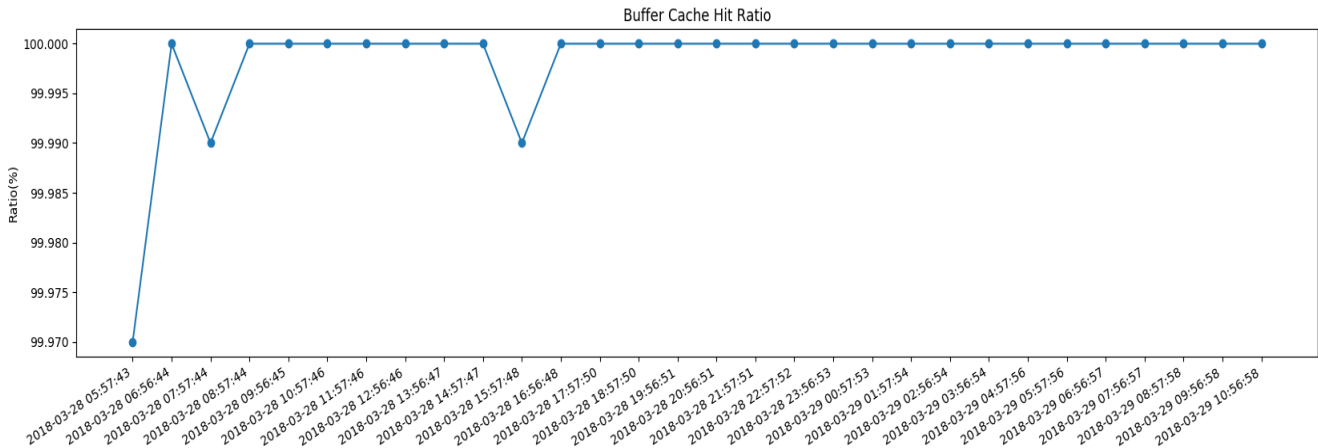
图5.20 查询库节点2Buffer Cache命中率

注释：上图为数据库最近Buffer Cache命中率情况，命中率越高，表示缓存在内存中的数据使用效率越高，当改值小于95%时，物理IO等待可能会出现，要分析该命中率低的原因。
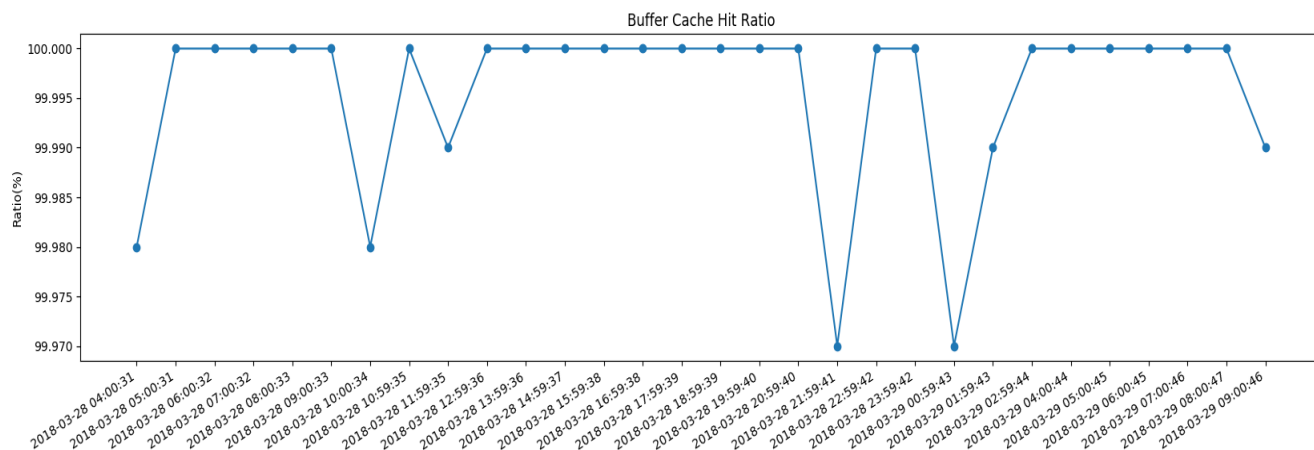
图5.21 协同监管库Buffer Cache命中率

注释：上图为数据库最近Buffer Cache命中率情况，命中率越高，表示缓存在内存中的数据使用效率越高，当改值小于95%时，物理IO等待可能会出现，要分析该命中率低的原因。

5.3.2 Library Cache命中率
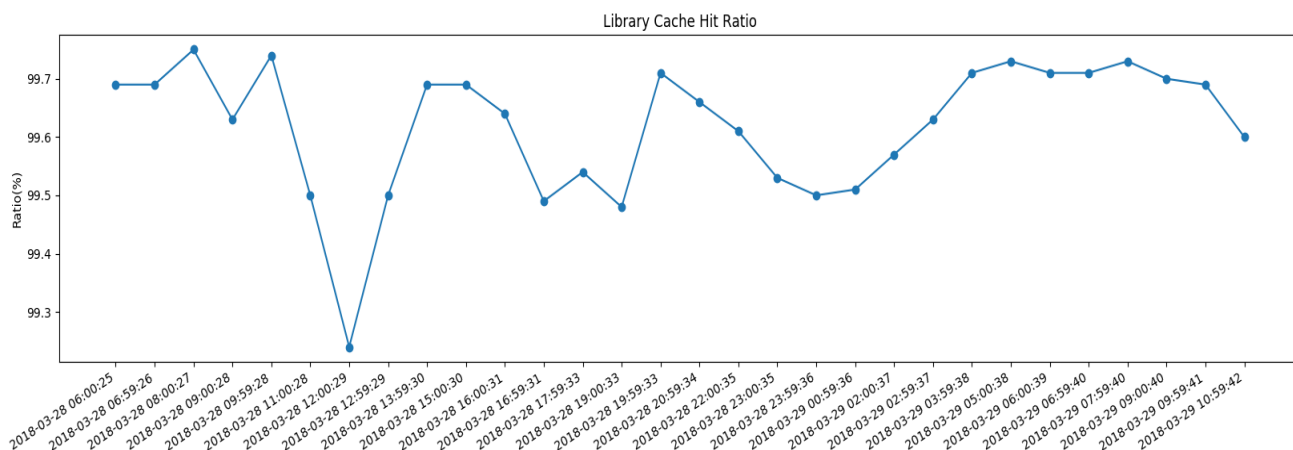
图5.22 查询库节点1Library Cache命中率

注释：上图为数据库Library Cache命中率。这个比例通常应该保持在90%以上，否则就是库缓存太小或没有使用绑定变量。
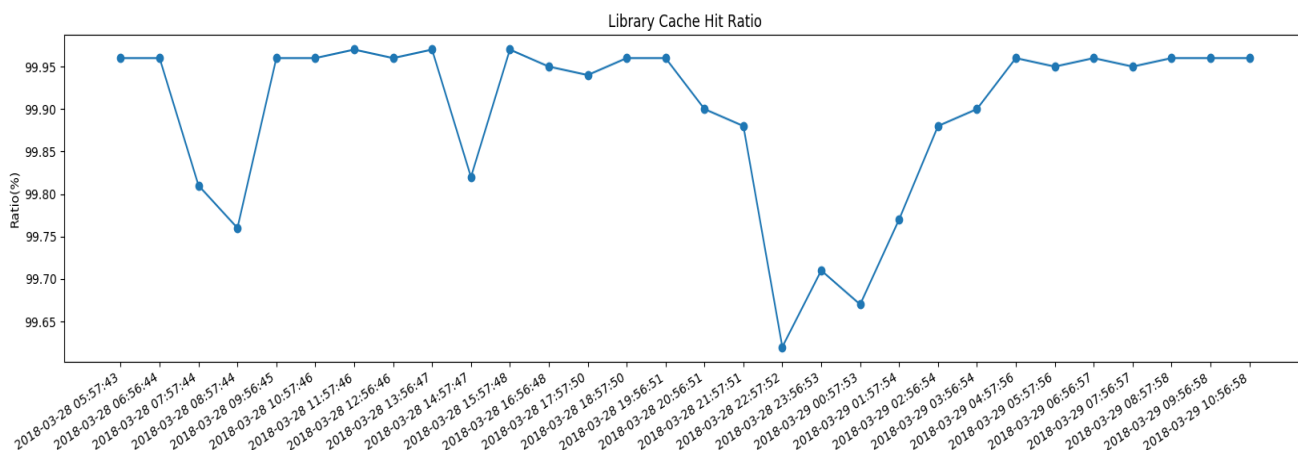
图5.23 查询库节点2Library Cache命中率

注释：上图为数据库Library Cache命中率。这个比例通常应该保持在90%以上，否则就是库缓存太小或没有使用绑定变量。
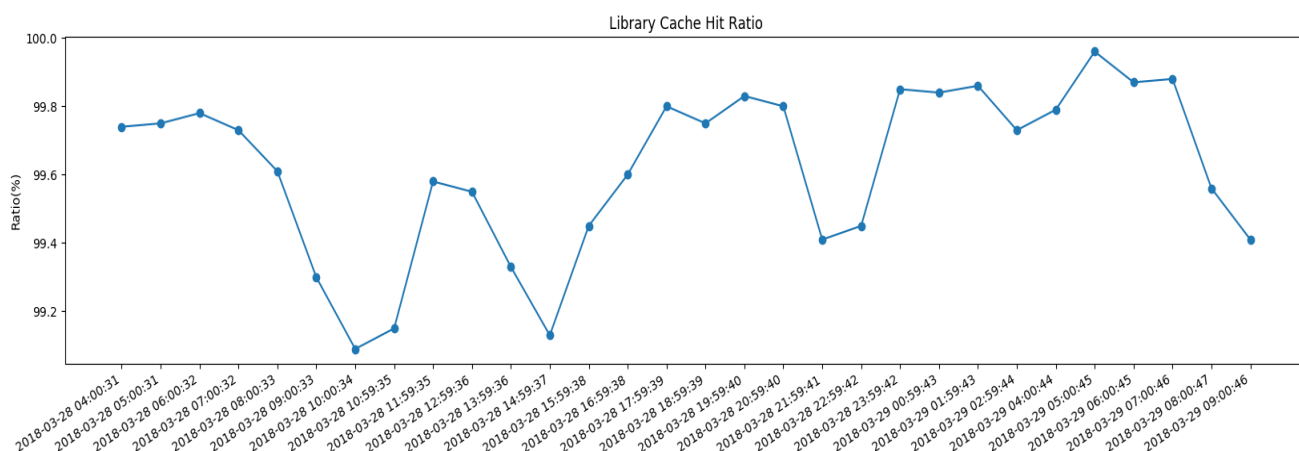
图5.24 协同监管库Library Cache命中率

注释：上图为数据库Library Cache命中率。这个比例通常应该保持在90%以上，否则就是库缓存太小或没有使用绑定变量。

5.3.3 软解析率
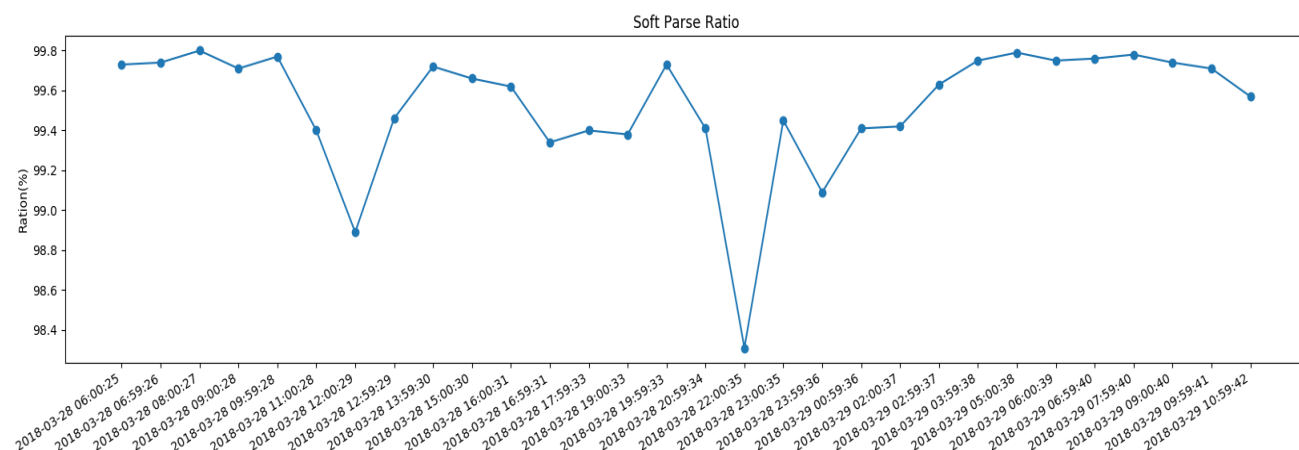
图5.25 查询库节点1软解析率

注释：上图为数据库软解析率。这个值小于<95%说明硬解析有点多，需要注意。如果低于80%，执行计划的共享就出了严重问题，解决方法当然还是加大库缓存或使用绑定变量。
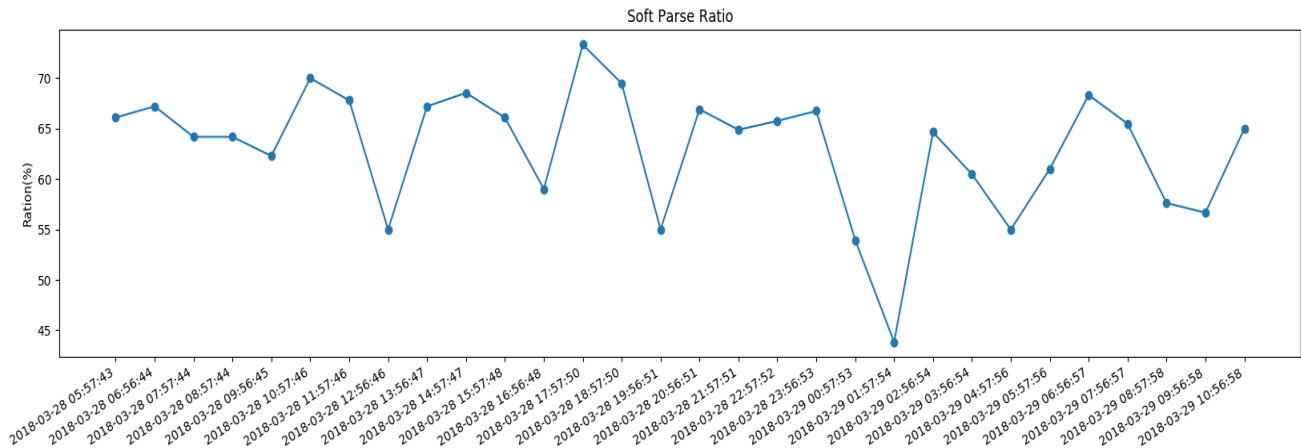
图5.26 查询库节点2软解析率

注释：上图为数据库软解析率。这个值小于<95%说明硬解析有点多，需要注意。如果低于80%，执行计划的共享就出了严重问题，解决方法当然还是加大库缓存或使用绑定变量。
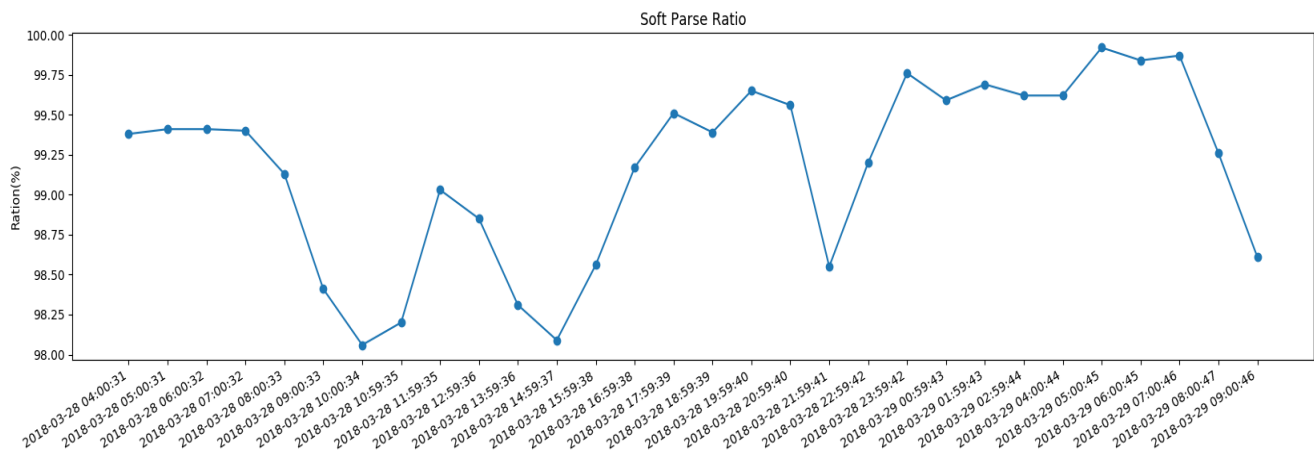
图5.27 协同监管库软解析率

注释：上图为数据库软解析率。这个值小于<95%说明硬解析有点多，需要注意。如果低于80%，执行计划的共享就出了严重问题，解决方法当然还是加大库缓存或使用绑定变量。

5.3.4 内存排序率
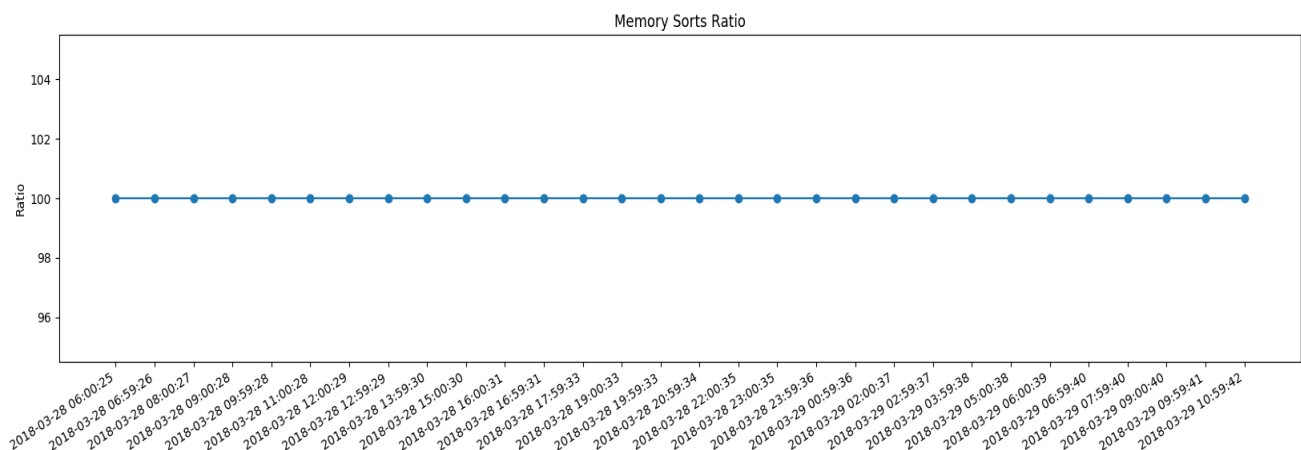
图5.28 查询库节点1内存排序率

注释：上图为数据库内存排序率。
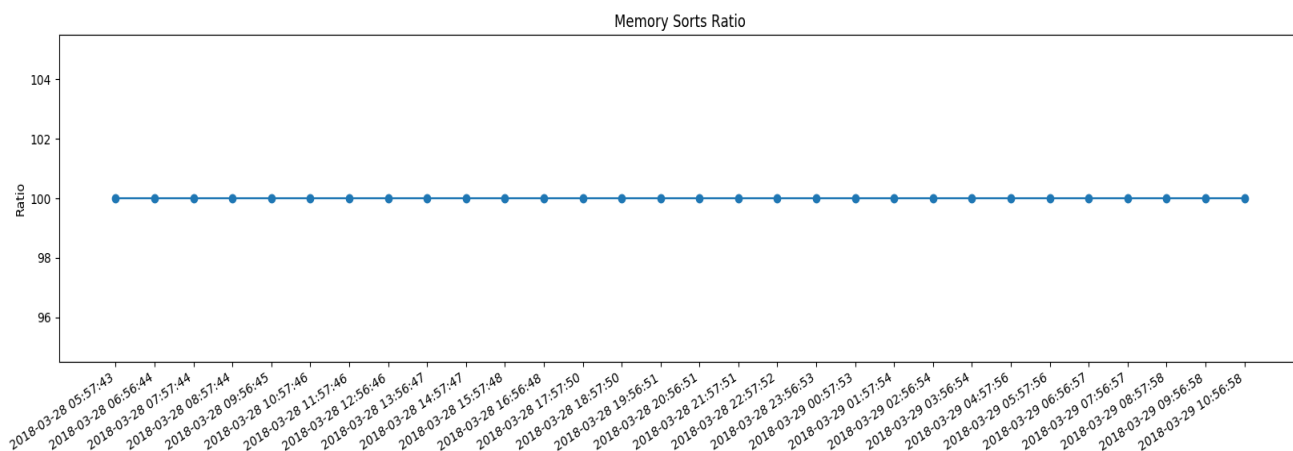
图5.29 查询库节点2内存排序率

注释：上图为数据库内存排序率。
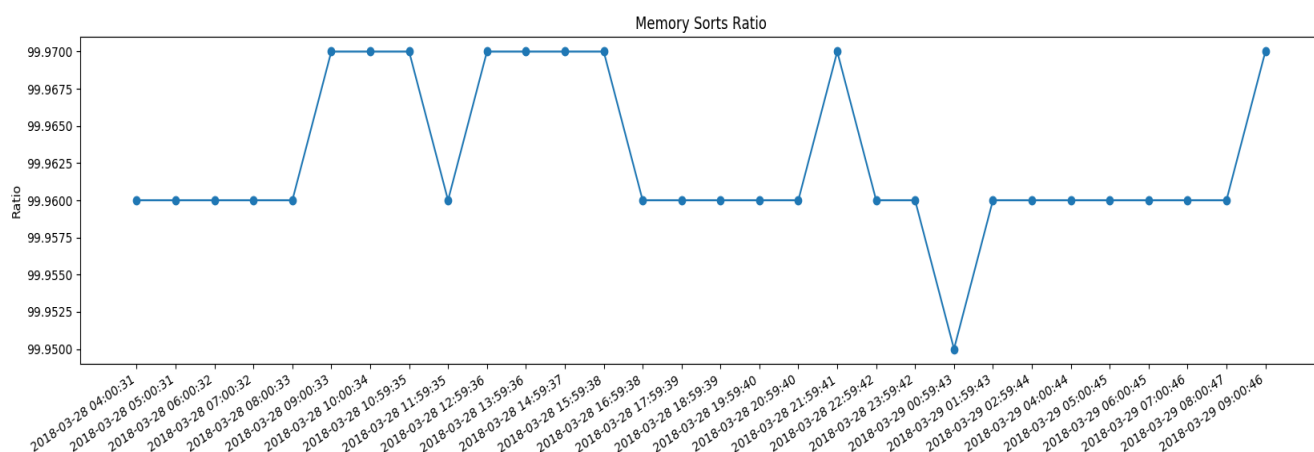
图5.30 协同监管库内存排序率

注释：上图为数据库内存排序率。

5.4 数据库等待与事件分析

5.4.1 数据库等待（按等待类划分）

表5.31 查询库节点1数据库排名前十的等待（等待类）

WAIT_CLASS	TOTAL_WAITS
Concurrency	6783639694803
System I/O	617500492020
User I/O	1047556939632
Administrative	68213
Other	1560722224125
Configuration	173412714

Scheduler	44222046677
Application	19780973446
Cluster	35197699073
Queueing	12100
Idle	13622356147905
Network	5379070598864
Commit	10960204124

注释：以上列出的是排名前十的等待事件。

表5.32 查询库节点2数据库排名前十的等待（等待类）

WAIT_CLASS	TOTAL_WAITS
Concurrency	6783639694803
System I/O	617500492020
User I/O	1047556939632
Administrative	68213
Other	1560722224125
Configuration	173412714
Scheduler	44222046677
Application	19780973446
Cluster	35197699073
Queueing	12100
Idle	13622356147905
Network	5379070598864
Commit	10960204124

注释：以上列出的是排名前十的等待事件。

表5.33 协同监管库数据库排名前十的等待（等待类）

WAIT_CLASS	TOTAL_WAITS
Concurrency	3633797696
User I/O	121208878211
System I/O	38734346937
Administrative	194
Other	2833700053
Configuration	8507979
Scheduler	275397

Application	150553639
Idle	208380192685
Network	188809053207
Commit	1468981389

注释：以上列出的是排名前十的等待事件。

5.4.2 数据库等待（按事件划分）

表5.34 查询库节点1数据库排名前20的等待（事件）

EVENT_NAME	TOTAL_WAITS
SQL*Net message from client	1893476596880
PX Deq: Execution Msg	1893447761040
Streams AQ: waiting for time management or cleanup tasks	1891631103340
class slave wait	1890708356240
VKRM Idle	1889785609800
enq: TX - row lock contention	946765782820
SQL*Net more data to client	946083859820
SQL*Net break/reset to client	945342463340
rdbms ipc message	1845493320
log file switch (archiving needed)	919156480
buffer busy waits	868791880
enq: SQ - contention	464809840
smon timer	461373000
PX Idle Wait	461373000
SQL*Net message from dblink	367656520
cursor: pin S wait on X	346140300
library cache lock	174816840
enq: KO - fast object checkpoint	115342920
enq: WF - contention	86507080
Streams AQ: qmn slave idle wait	86502680

注释：以上列出的是排名前20的等待事件。

表5.35 查询库节点2数据库排名前20的等待（事件）

EVENT_NAME	TOTAL_WAITS
SQL*Net message from client	1893476596880
PX Deq: Execution Msg	1893447761040

Streams AQ: waiting for time management or cleanup tasks	1891631103340
class slave wait	1890708356240
VKRM Idle	1889785609800
enq: TX - row lock contention	946765782820
SQL*Net more data to client	946083859820
SQL*Net break/reset to client	945342463340
rdbms ipc message	1845493320
log file switch (archiving needed)	919156480
buffer busy waits	868791880
enq: SQ - contention	464809840
smon timer	461373000
PX Idle Wait	461373000
SQL*Net message from dblink	367656520
cursor: pin S wait on X	346140300
library cache lock	174816840
enq: KO - fast object checkpoint	115342920
enq: WF - contention	86507080
Streams AQ: qmn slave idle wait	86502680

注释：以上列出的是排名前20的等待事件。

表5.36 协同监管库数据库排名前20的等待（事件）

EVENT_NAME	TOTAL_WAITS
SQL*Net message from client	834851044988
Streams AQ: waiting for time management or cleanup tasks	834842940448
buffer busy waits	833557397116
log file switch (archiving needed)	833528795502
VKRM Idle	833223655230
rdbms ipc message	610271038
enq: TH - metric threshold evaluation	357994442
enq: UL - contention	206600688
SQL*Net message from dblink	204218174
smon timer	203423550
row cache lock	155051590
RMAN backup & recovery I/O	25427774
Disk file operations I/O	25014078

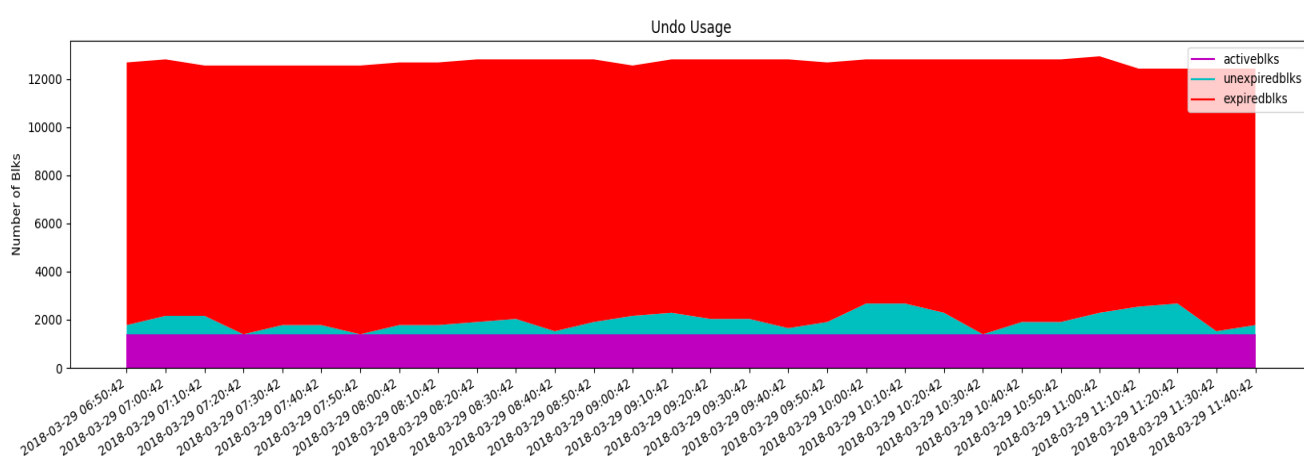|	
dispatcher timer	12713984
enq: TX - row lock contention	12713790
Streams AQ: qmn coordinator idle wait	9536846
single-task message	9280960
shared server idle wait	7946240
library cache lock	7097102
Streams AQ: qmn slave idle wait	6356992

注释：以上列出的是排名前20的等待事件。

5.5 数据库undo使用统计

图5.37 查询库节点1数据库undo使用情况

注释：上图为数据库最近Undo使用情况，其中横坐标表示收集数据的事件，纵坐标表示块的数量，activeblks表示正在使用的undo块，unexpiredblks表示占用时间在undo rentention以内的undo块。根据Undo使用情况来对其大小进行适当调整，满足事务需要。
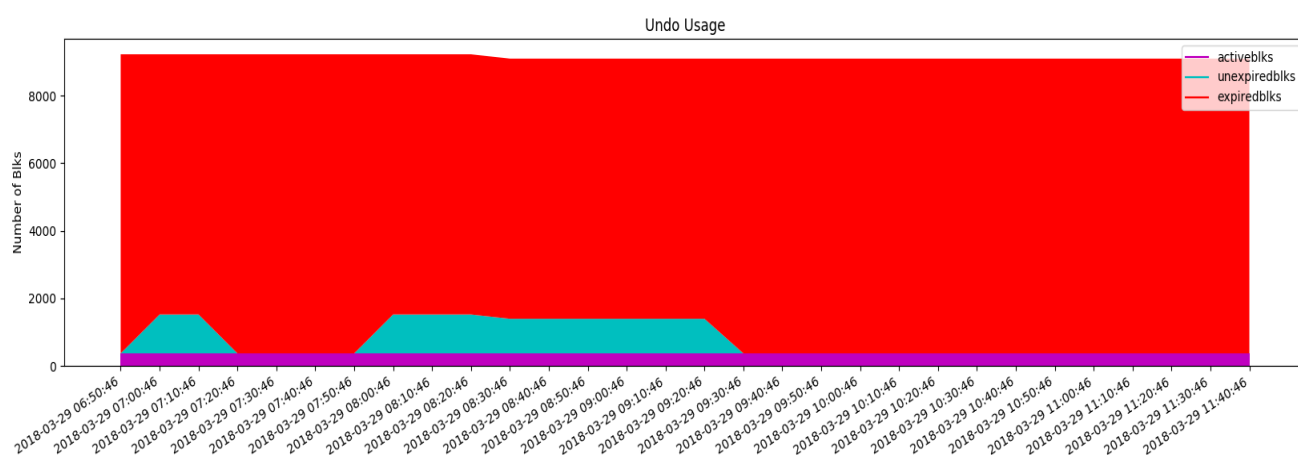
图5.38 查询库节点2数据库undo使用情况

注释：上图为数据库最近Undo使用情况，其中横坐标表示收集数据的事件，纵坐标表示块的数量，activeblks表示正在使用的undo块，unexpiredblks表示占用时间在undo rentention以内的

undo块。根据Undo使用情况来对其大小进行适当调整，满足事务需要。
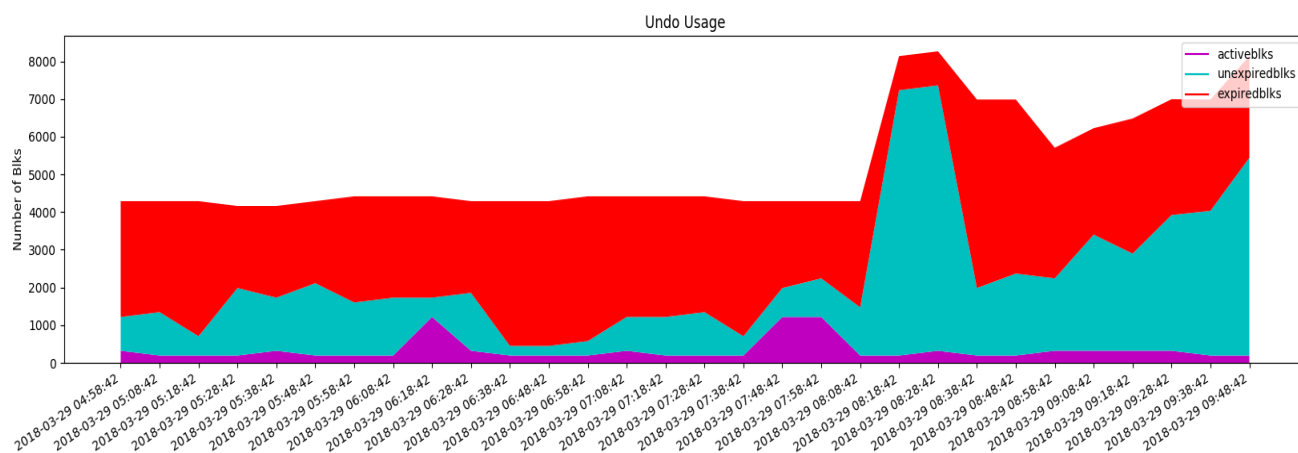
图5.39 协同监管库数据库undo使用情况

注释：上图为数据库最近Undo使用情况，其中横坐标表示收集数据的事件，纵坐标表示块的数量，activeblks表示正在使用的undo块，unexpiredblks表示占用时间在undo rentention以内的undo块。根据Undo使用情况来对其大小进行适当调整，满足事务需要。
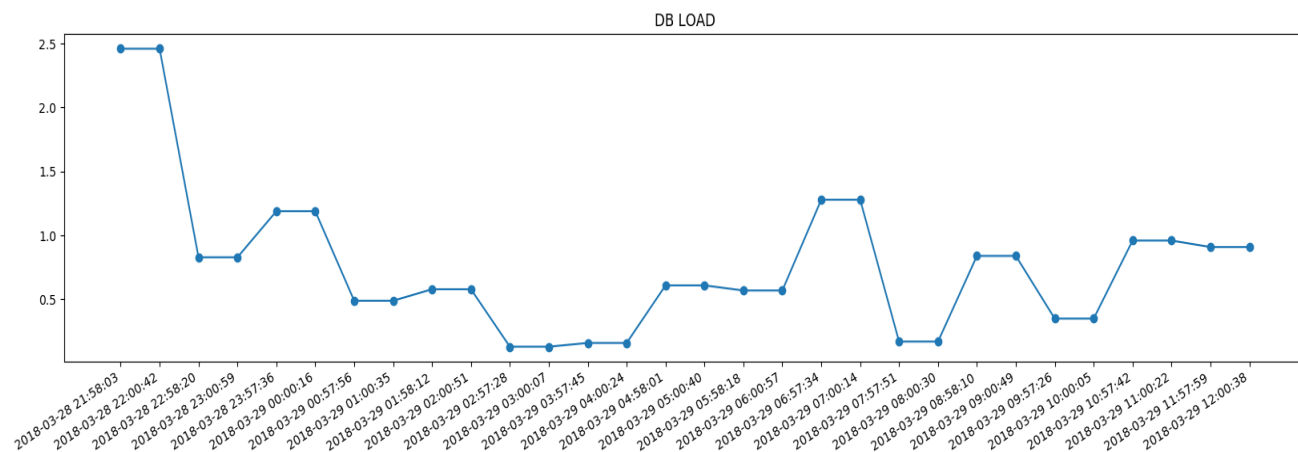
5.6 数据库总体性能

5.6.1 数据库负载情况
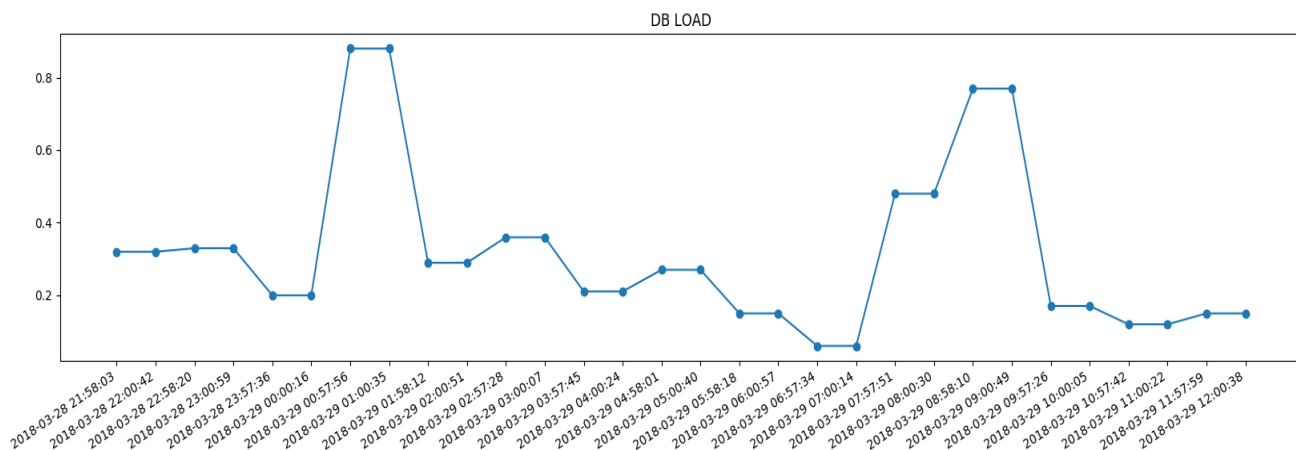

图5.40 查询库节点1数据库负载

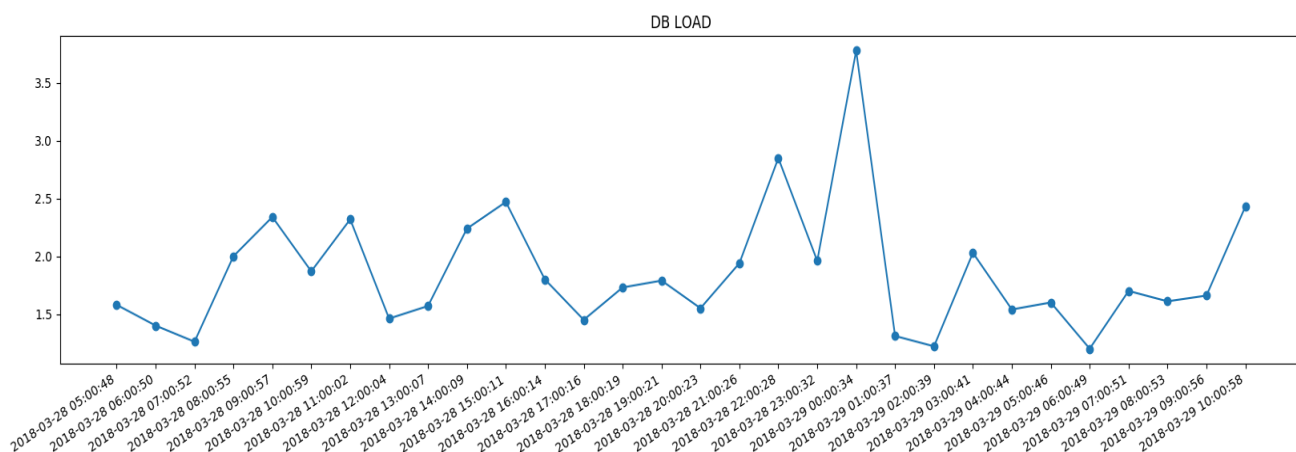注释：上图为数据库负载。

图5.41 查询库节点2数据库负载

注释：上图为数据库负载。

图5.42 协同监管库数据库负载
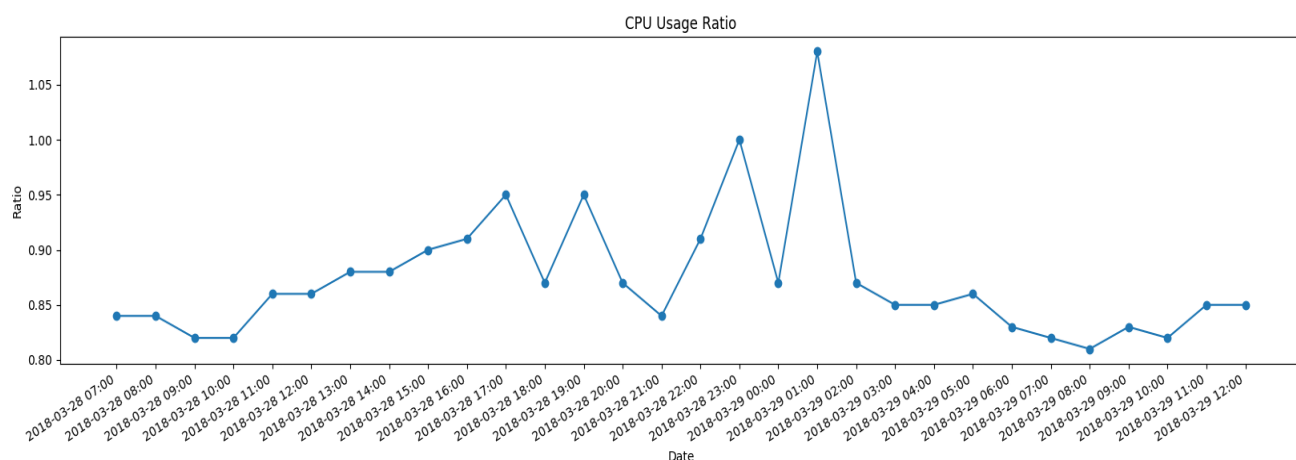
注释：上图为数据库负载。

5.6.2 数据库CPU使用情况

图5.43 查询库节点1CPU使用率
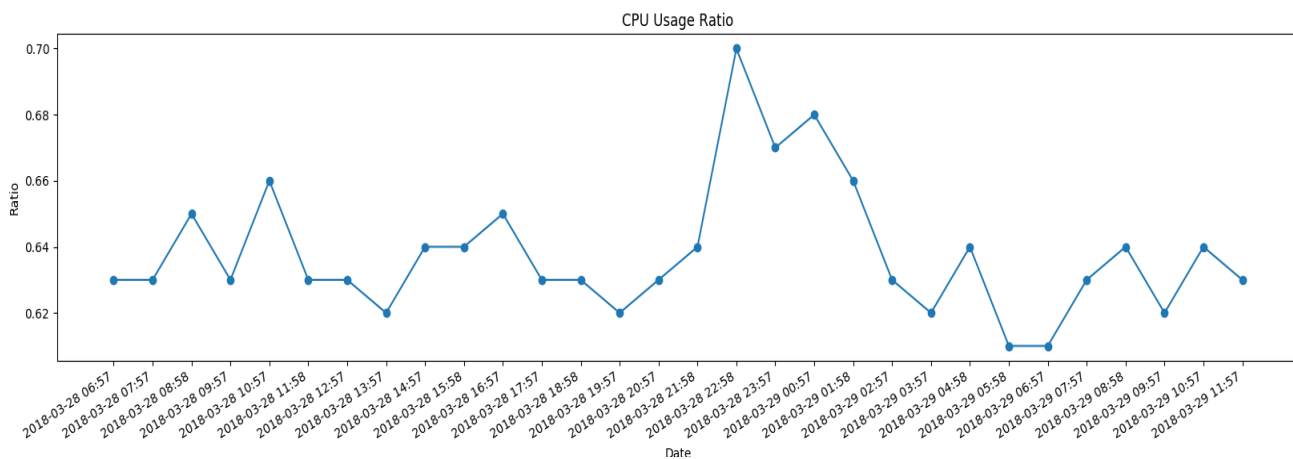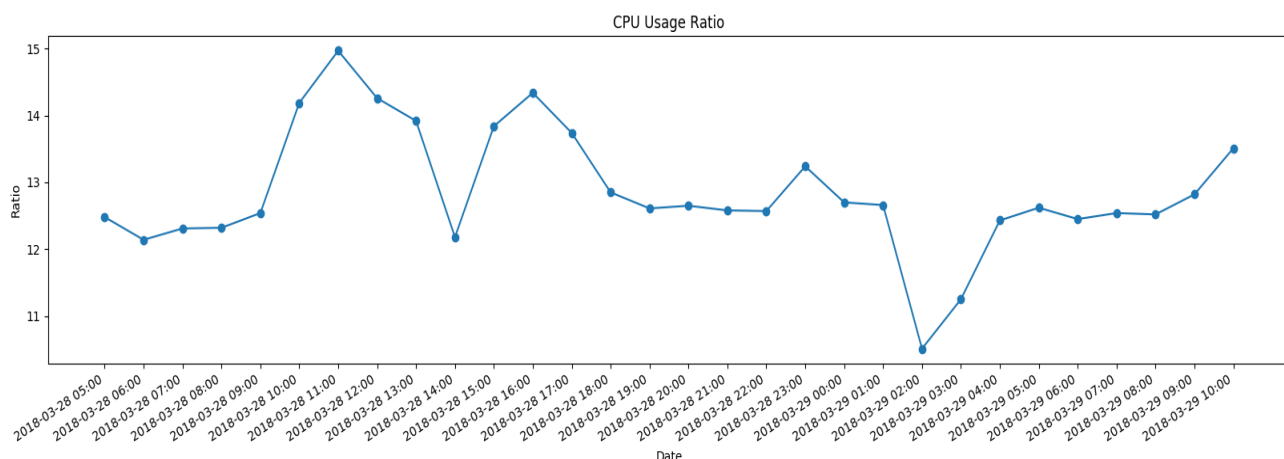
注释：上图为数据库CPU使用率。

图5.44 查询库节点2CPU使用率

注释：上图为数据库CPU使用率。

图5.45 协同监管库CPU使用率

注释：上图为数据库CPU使用率。

6. 数据库备份监测

表6.1 查询库节点1数据库物理备份（RMAN）

DATABASE	TYPE	STATUS	ELAPSEDTIME	STARTTIME	INPUT_GB	OUTPUT_GB
PROD	DB INCR	COMPLETED	9.17	2018-02-26	314.46	10.66
PROD	DB INCR	COMPLETED	13.83	2018-02-27	279.65	171.74
PROD	DB INCR	COMPLETED	9.07	2018-02-28	317.18	0.9
PROD	DB INCR	FAILED	13.55	2018-03-01	313.36	154.08
PROD	DB INCR	COMPLETED	9.07	2018-03-02	320.25	1.02
PROD	DB INCR	COMPLETED	11.27	2018-03-03	320.25	58.42
PROD	DB INCR	FAILED	3.77	2018-03-04	59.12	57.25
PROD	DB INCR	FAILED	10.72	2018-03-05	277.06	77.67
PROD	DB INCR	COMPLETED	8.92	2018-03-06	320.25	1.49
PROD	DB INCR	COMPLETED	9.17	2018-03-07	280	36.22
...	...	...	...	...	...	...
PROD	DB INCR	COMPLETED	11.58	2018-03-20	320.38	79.66
PROD	DB INCR	COMPLETED	8.92	2018-03-21	320.38	0.96
PROD	DB INCR	FAILED	9.8	2018-03-22	297.51	58.14
PROD	DB INCR	COMPLETED	8.93	2018-03-23	320.38	1.07
PROD	DB INCR	COMPLETED	9.33	2018-03-24	320.35	10.72
PROD	DB INCR	FAILED	10.63	2018-03-25	183.11	180.88
PROD	DB INCR	COMPLETED	8.9	2018-03-26	320.38	1.02
PROD	DB INCR	COMPLETED	11.25	2018-03-27	320.38	55.91
PROD	DB INCR	COMPLETED	8.92	2018-03-28	320.38	1.04
PROD	DB INCR	COMPLETED	10.92	2018-03-29	320.45	56.41

注释：查询库节点1最近1个月共有32次备份。其中成功备份25次, 失败备份7次。

表6.2 查询库节点1数据库RMAN备份集

SET	TYPE	STATUS	STARTTIME	ELAPSED	SIZE	PATH
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617

2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
...	...	...	...	...	...	...
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2065	Full	AVAILABLE	2018-03-29 00:10:58	0	0.25	+FRA/prod/autobackup/2018_03_29/s_972000653.15217.972000659

2065	Full	AVAILABLE	2018-03-29 00:10:58	0	0.25	+FRA/prod/autobackup/2018_03_29/s_972000653.15217.972000659
2065	Full	AVAILABLE	2018-03-29 00:10:58	0	0.25	+FRA/prod/autobackup/2018_03_29/s_972000653.15217.972000659
2065	Full	AVAILABLE	2018-03-29 00:10:58	0	0.25	+FRA/prod/autobackup/2018_03_29/s_972000653.15217.972000659

注释：查询库节点1最近一个月共有412个备份集。其中可用备份集412个, 不可用备份0个。

表6.3 查询库节点2数据库物理备份（RMAN）

DATABASE	TYPE	STATUS	ELAPSEDTIME	STARTTIME	INPUT_GB	OUTPUT_GB
PROD	DB INCR	COMPLETED	9.17	2018-02-26	314.46	10.66
PROD	DB INCR	COMPLETED	13.83	2018-02-27	279.65	171.74
PROD	DB INCR	COMPLETED	9.07	2018-02-28	317.18	0.9
PROD	DB INCR	FAILED	13.55	2018-03-01	313.36	154.08
PROD	DB INCR	COMPLETED	9.07	2018-03-02	320.25	1.02
PROD	DB INCR	COMPLETED	11.27	2018-03-03	320.25	58.42
PROD	DB INCR	FAILED	3.77	2018-03-04	59.12	57.25
PROD	DB INCR	FAILED	10.72	2018-03-05	277.06	77.67
PROD	DB INCR	COMPLETED	8.92	2018-03-06	320.25	1.49
PROD	DB INCR	COMPLETED	9.17	2018-03-07	280	36.22
...	...	...	...	...	...	...
PROD	DB INCR	COMPLETED	11.58	2018-03-20	320.38	79.66
PROD	DB INCR	COMPLETED	8.92	2018-03-21	320.38	0.96
PROD	DB INCR	FAILED	9.8	2018-03-22	297.51	58.14
PROD	DB INCR	COMPLETED	8.93	2018-03-23	320.38	1.07
PROD	DB INCR	COMPLETED	9.33	2018-03-24	320.35	10.72
PROD	DB INCR	FAILED	10.63	2018-03-25	183.11	180.88
PROD	DB INCR	COMPLETED	8.9	2018-03-26	320.38	1.02
PROD	DB INCR	COMPLETED	11.25	2018-03-27	320.38	55.91
PROD	DB INCR	COMPLETED	8.92	2018-03-28	320.38	1.04
PROD	DB INCR	COMPLETED	10.92	2018-03-29	320.45	56.41

注释：查询库节点2最近1个月共有32次备份。其中成功备份25次, 失败备份7次。

表6.4 查询库节点2数据库RMAN备份集

SET	TYPE	STATUS	STARTTIME	ELAPSED	SIZE	PATH

2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
2025	Incr-2	AVAILABLE	2018-03-23 00:00:16	379	0.09	+FRA/prod/backupset/2018_03_23/nnndn2_tag20180323t000015_0.15214.971481617
…	…	…	…	…	…	…
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017

2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2064	Incr-1	AVAILABLE	2018-03-29 00:00:16	629	54.89	+FRA/prod/backupset/2018_03_29/nnndn1_tag20180329t000015_0.16600.972000017
2065	Full	AVAILABLE	2018-03-29 00:10:58	0	0.25	+FRA/prod/autobackup/2018_03_29/s_972000653.15217.972000659
2065	Full	AVAILABLE	2018-03-29 00:10:58	0	0.25	+FRA/prod/autobackup/2018_03_29/s_972000653.15217.972000659
2065	Full	AVAILABLE	2018-03-29 00:10:58	0	0.25	+FRA/prod/autobackup/2018_03_29/s_972000653.15217.972000659
2065	Full	AVAILABLE	2018-03-29 00:10:58	0	0.25	+FRA/prod/autobackup/2018_03_29/s_972000653.15217.972000659

注释：查询库节点2最近一个月共有412个备份集。其中可用备份集412个, 不可用备份0个。

表6.5 协同监管库数据库物理备份（RMAN）

DATABASE	TYPE	STATUS	ELAPSEDTIME	STARTTIME	INPUT_GB	OUTPUT_GB
ORCL	DB INCR	COMPLETED	1.55	2018-03-08	57.39	2.92
ORCL	DB INCR	COMPLETED	4.22	2018-03-09	47.24	45.48
ORCL	DB INCR	COMPLETED	1.55	2018-03-10	57.42	2.81
ORCL	DB INCR	COMPLETED	1.55	2018-03-11	57.48	2.61
ORCL	DB INCR	COMPLETED	1.55	2018-03-12	57.5	2.45
ORCL	DB INCR	FAILED	6.78	2018-03-13	69.06	66.9
ORCL	DB INCR	FAILED	3.67	2018-03-14	79.15	6.17
ORCL	DB INCR	FAILED	0.17	2018-03-15	6.83	0.48
ORCL	DB INCR	FAILED	0.05	2018-03-16	0.54	0.48
ORCL	DB INCR	COMPLETED	1.57	2018-03-17	57.89	4.98
...	...	...	...	...	...	...
ORCL	DB INCR	COMPLETED	4.23	2018-03-20	48.13	46.27
ORCL	DB INCR	COMPLETED	1.73	2018-03-21	58.12	3.43
ORCL	DB INCR	COMPLETED	1.72	2018-03-22	58.29	3.79
ORCL	DB INCR	COMPLETED	4.05	2018-03-23	48.31	46.49
ORCL	DB INCR	COMPLETED	1.72	2018-03-24	58.48	3.95
ORCL	DB INCR	COMPLETED	1.73	2018-03-25	58.49	3.13
ORCL	DB INCR	COMPLETED	1.72	2018-03-26	58.56	1.45

ORCL	DB INCR	FAILED	1.93	2018-03-27	20.78	19.53
ORCL	DB INCR	COMPLETED	1.55	2018-03-28	58.7	5.28
ORCL	DB INCR	COMPLETED	1.73	2018-03-29	59.14	4.28

注释：协同监管库最近1个月共有22次备份。其中成功备份17次, 失败备份5次。

表6.6 协同监管库数据库RMAN备份集

SET	TYPE	STATUS	STARTTIME	ELAPSED	SIZE	PATH
569	Incr-2	AVAILABLE	2018-03-22 00:00:04	57	1.3	/data/backup/rman/orcl/m5suck44_1_1_ORCL.bak
569	Incr-2	AVAILABLE	2018-03-22 00:00:04	57	1.3	/data/backup/rman/orcl/m5suck44_1_1_ORCL.bak
569	Incr-2	AVAILABLE	2018-03-22 00:00:04	57	1.3	/data/backup/rman/orcl/m5suck44_1_1_ORCL.bak
569	Incr-2	AVAILABLE	2018-03-22 00:00:04	57	1.3	/data/backup/rman/orcl/m5suck44_1_1_ORCL.bak
571	Incr-2	AVAILABLE	2018-03-22 00:00:04	83	0.18	/data/backup/rman/orcl/m2suck44_1_1_ORCL.bak
571	Incr-2	AVAILABLE	2018-03-22 00:00:04	83	0.18	/data/backup/rman/orcl/m2suck44_1_1_ORCL.bak
571	Incr-2	AVAILABLE	2018-03-22 00:00:04	83	0.18	/data/backup/rman/orcl/m2suck44_1_1_ORCL.bak
571	Incr-2	AVAILABLE	2018-03-22 00:00:04	83	0.18	/data/backup/rman/orcl/m2suck44_1_1_ORCL.bak
572	Incr-2	AVAILABLE	2018-03-22 00:00:05	86	1.22	/data/backup/rman/orcl/m4suck44_1_1_ORCL.bak
572	Incr-2	AVAILABLE	2018-03-22 00:00:05	86	1.22	/data/backup/rman/orcl/m4suck44_1_1_ORCL.bak
...	...	...	...	...	...	...
607	Incr-2	AVAILABLE	2018-03-29 00:01:20	0	0.01	/data/backup/rman/orcl/nesuv2qf_1_1_ORCL.bak
609	Incr-2	AVAILABLE	2018-03-29 00:00:06	94	1.22	/data/backup/rman/orcl/nbsuv2o3_1_1_ORCL.bak
608	Incr-2	AVAILABLE	2018-03-29 00:00:05	95	1.38	/data/backup/rman/orcl/ndsuv2o3_1_1_ORCL.bak
609	Incr-2	AVAILABLE	2018-03-29 00:00:06	94	1.22	/data/backup/rman/orcl/nbsuv2o3_1_1_ORCL.bak
609	Incr-2	AVAILABLE	2018-03-29 00:00:06	94	1.22	/data/backup/rman/orcl/nbsuv2o3_1_1_ORCL.bak
608	Incr-2	AVAILABLE	2018-03-29 00:00:05	95	1.38	/data/backup/rman/orcl/ndsuv2o3_1_1_ORCL.bak

608	Incr-2	AVAILABLE	2018-03-29 00:00:05	95	1.38	/data/backup/rman/orcl/nds uv2o3_1_1_ORCL.bak
608	Incr-2	AVAILABLE	2018-03-29 00:00:05	95	1.38	/data/backup/rman/orcl/nds uv2o3_1_1_ORCL.bak
609	Incr-2	AVAILABLE	2018-03-29 00:00:06	94	1.22	/data/backup/rman/orcl/nbs uv2o3_1_1_ORCL.bak
610	Full	AVAILABLE	2018-03-29 00:01:45	0	0.01	/u01/app/oracle/recovery_ar ea/ORCL/autobackup/2018_0 3_29/o1_mf_s_972000105_fcq h39rt_.bkp

注释：协同监管库最近一个月共有123个备份集。其中可用备份集123个, 不可用备份0个。

0 079477 188535