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Event tracking scripts and sessions usage

The three scripts below have been installed on DEV several DEV, QUA and PRD servers. Root’s crontab is used to schedule jobs

|  |
| --- |
| /u01/app/oracle/admin/scripts/misc]# ls -l q\*sh  -rwxr-xr-x 1 oracle oinstall 2754 Dec 18 11:21 q\_event\_histogram.sh  -rwxr-xr-x 1 oracle oinstall 2783 Dec 19 13:14 q\_query\_4\_event.sh  -rwxr-xr-x 1 oracle oinstall 2506 Dec 18 11:21 q\_stats\_sessions.sh |

# 1 - q\_event\_histogram.sh

Provides histograms wait in ms versus count from last AWR snapshot up to n snapshots in the past.

## 1.1 - Uses

* dba\_hist\_event\_histogram

1.2 - Usage

./q\_event\_histogram.sh DB\_NAME event\_number snapshots

* DB\_NAME defined in tnsnames.ora
* Event\_number any event defined in V\_$EVENT\_NAME
* snapshots to pull histograms from last <<snapshots>> snapshots

## 1.3 - Example

./q\_event\_histogram.sh DUNKPRD 445 2

## 1.4 - Timestamped output

## is located/u01/app/oracle/admin/<<db\_name>>/histogram\_4\_event/

|  |
| --- |
| Mon Dec 30 page 2  BELPRD - 30-DEC-2019 08:30:01 - Event SQL\*Net break/reset to client (445) - Histogram  SNAP\_ID BTIME ETIME EVENT\_NAME WAIT\_TIME\_MS WAIT\_COUNT WAIT\_TOTAL\_SEC  ---------- ----------------- ----------------- ------------------------------ -------------------- ------------ ------------------------  14011 30/12/30 07:00:32 30/12/30 08:00:34 SQL\*Net break/reset to client 16.000 131 2.096  14009 30/12/30 05:00:27 30/12/30 06:00:31 SQL\*Net break/reset to client 32.000 3 .096  14010 30/12/30 06:00:31 30/12/30 07:00:32  14011 30/12/30 07:00:32 30/12/30 08:00:34  14009 30/12/30 05:00:27 30/12/30 06:00:31 SQL\*Net break/reset to client 64.000 4 .256  14010 30/12/30 06:00:31 30/12/30 07:00:32  14011 30/12/30 07:00:32 30/12/30 08:00:34  14009 30/12/30 05:00:27 30/12/30 06:00:31 SQL\*Net break/reset to client 128.000 2 .256  14010 30/12/30 06:00:31 30/12/30 07:00:32  14011 30/12/30 07:00:32 30/12/30 08:00:34 |

# 2 - q\_query\_4\_event.sh

Attemps to pull the SQL statements related to q specified event

## 2.1 - Uses

* V$session
* V$SQLTEXT
* DBA\_hist\_sqltext

## 2.2 - Usage

./q\_query\_4\_event.sh DB\_NAME event\_number

* DB\_NAME defined in tnsnames.ora
* Event\_number any event defined in V\_$EVENT\_NAME

## 2.3 - Example

./q\_query\_4\_event.sh DUNKPRD 445

## 2.4 - Timestamped output

## is located/u01/app/oracle/admin/<<db\_name>>/query\_4\_event/

|  |
| --- |
| Mon Dec 30 page 1  BELPRD - 30-DEC-2019 09:30:02 - Event 445 - Queries  SID USERNAME SCHEMANAME OSUSER PROGRAM MACHINE Logon EXEC\_DATE EVENT# EVENT SQL\_ID PREV\_SQL\_ID  ------ --------------- --------------- -------------------- -------------------- -------------------- ----------------- ------------------- ---------- ------------------------------ -------------- --------------  631 NOMADUSER NOMADUSER APP\_NOMADSRV\_PRD w3wp.exe FLX-PROCESS\GFMPRD06 28-12-19 21:23:09 29/12/2019 01:49:15 445 SQL\*Net break/reset to client 5h7875kyfuu5g  846 NOMADUSER NOMADUSER APP\_NOMADSRV\_PRD w3wp.exe FLX-PROCESS\GFMPRD04 22-12-19 01:27:30 22/12/2019 01:52:14 445 SQL\*Net break/reset to client 5h7875kyfuu5g  1185 NOMADUSER NOMADUSER APP\_NOMADSRV\_PRD w3wp.exe FLX-PROCESS\GFMPRD08 22-12-19 01:43:13 22/12/2019 01:46:02 445 SQL\*Net break/reset to client dwb7bpyw2zh0h  Mon Dec 30 page 1  BELPRD - 30-DEC-2019 09:30:02 - Event 445 - Queries  SQL\_ID SQL\_TEXT  -------------- ----------------------------------------------------------------  5h7875kyfuu5g Begin NOMAD.PCK\_FLOW.FLOW\_VER\_DET\_CNTR\_PARTY\_ID(:v0, :v1, :v2);  End;  Mon Dec 30 page 2  BELPRD - 30-DEC-2019 09:30:02 - Event 445 - Queries  SQL\_ID SQL\_TEXT  -------------- ----------------------------------------------------------------  dwb7bpyw2zh0h Begin NOMAD.PCK\_FLOW.DEL\_FLOW\_VER\_DET\_FRAC(:v0, :v1); End; |

# 3 - q\_stats\_sessions.sh

Reports Sessions count and details per server, sessions count and details per schema

## 3.1 - Uses

* V$SESSION

## 3.2 - Usage

./q\_stats\_sessions.sh db\_name

* DB\_NAME defined in tnsnames.ora

## 3.3 - Example

./q\_stats\_sessions.sh DUNKPRD

## 3.4 - Timestamped output

## is located/u01/app/oracle/admin/<<db\_name>>/ stats\_session/

|  |
| --- |
| flbeoraprd01 101 ACTIVE SYS grid  1 ACTIVE DZDBA oracle  24 INACTIVE ATLAS2XX grid  4 INACTIVE SYS grid  3 INACTIVE DBSNMP oracle  3 INACTIVE WEATHERXX grid  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* --------  sum 136  11 INACTIVE RABITETLUSER GSPRD-GSETL  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* --------  sum 11  --------  sum 36  60 rows selected.  Mon Dec 30 page 1  flbeoraprd01 / BELPRD / Sessions Inventory / 30-DEC-2019 09:30:02  SCHEMANAME sessions STATUS MACHINE OSUSER  ------------------------------ -------- ---------- ------------------------------ ------------------------------  ATLAS2USER 9 INACTIVE FLX-PROCESS\GFMPRD04 APP\_ATLAS2SERVER\_PRD  9 INACTIVE FLX-PROCESS\GFMPRD02 APP\_ATLAS2SERVER\_PRD  8 INACTIVE FLX-PROCESS\GFMPRD08 APP\_ATLAS2SERVER\_PRD  8 INACTIVE FLX-PROCESS\GFMPRD06 APP\_ATLAS2SERVER\_PRD  7 INACTIVE FLX-PROCESS\BELLPRD04 APP\_A2SRVBELL\_PRD  7 INACTIVE FLX-PROCESS\BELLPRD02 APP\_A2SRVBELL\_PRD  7 INACTIVE FLX-PROCESS\BELLPRD01 APP\_A2SRVBELL\_PRD  2 INACTIVE FLX-PROCESS\BELLPRD03 APP\_A2SRVBELL\_PRD  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* --------  sum 57 |

# 4 - Installation inventory

|  |  |  |  |
| --- | --- | --- | --- |
| Environment | Servers | Databases | q\_event\_histogram.sh  q\_query\_4\_event.sh  q\_stats\_sessions.sh |
| DEV | Flbedev01 | 1. BELDEV 2. BELDEVL 3. BELDEVS 4. BELMETD 5. BELGOLFD |
| Ohstdev01  Ohstdev02 | 1. CREDVL 2. GAZOPDEV 3. DUNKDEV 4. GAZOPINT 5. DUNKINT 6. LBTGDV |
| QUA | Flbeoraqua01 | 1. BELQUA 2. BELQUAL 3. BELQUAS 4. BELMETQ 5. BELGOLFQ |
| Ohstdnkqua01  Ohstlbtgqua02  Ohstiukqua02  Ohsttnpqua02  Ohstflchqua02 | 1. GAZOPQUA 2. DUNKQUA 3. LBTGQUA 4. IUKQUA 5. ISISQUA 6. TNPQUA 7. FLCHQUA |
| PRD | Flbeoraprd01 | 1. BELPRD 2. BELPRDS 3. BELPRDL 4. BELMETP 5. BELGOLFP |
| Ohstlbtgprd01  Ohstdnkprd01  Ohstiukprd02  Ohstcreprd01  Ohsttnpprd02  Ohstflchprd02 | 1. LBTGPRD 2. DUNKPRD 3. GAZOPPRD 4. ISISPRD 5. IUKPRD 6. CREPRD 7. FLCHPRD 8. TNPPRD |

# 5 - Crontab example

This is an extract of root’s crontab for BELPRD

Event 168 is log file sync

Event 445 is SQL\*Net break/reset to client

Event 579 is KSV master wait

Event 1738 is Sync ASM rebalance

Ecent

|  |
| --- |
| ##  ## Reports for active/inactive sessions  30 \* \* \* \* su - oracle -c "/u01/app/oracle/admin/scripts/misc/q\_stats\_sessions.sh BELPRD" >> /tmp/q\_stats\_sessions.log  ## Captures sessions details for event 445 : SQL\*Net break/reset  30 \* \* \* \* su - oracle -c "export ORACLE\_HOME=/u01/app/oracle/product/18.0.0.0;/u01/app/oracle/admin/scripts/misc/q\_query\_4\_event.sh BELPRD 445" >> /tmp/q\_query\_4\_event.log  ## Captures sessions details for event 579, KSV master wait  30 \* \* \* \* su - oracle -c "export ORACLE\_HOME=/u01/app/oracle/product/18.0.0.0;/u01/app/oracle/admin/scripts/misc/q\_query\_4\_event.sh BELPRD 579" >> /tmp/q\_query\_4\_event.log  ## Event 445 histogram5 : SQL\*Net break/reset  30 \* \* \* \* su - oracle -c "export ORACLE\_HOME=/u01/app/oracle/product/18.0.0.0;/u01/app/oracle/admin/scripts/misc/q\_event\_histogram.sh BELPRD 445 2" >> /tmp/q\_event\_histogram.log  ## Event 579 histogram : KSV master wait  30 \* \* \* \* su - oracle -c "export ORACLE\_HOME=/u01/app/oracle/product/18.0.0.0;/u01/app/oracle/admin/scripts/misc/q\_event\_histogram.sh BELPRD 579 2" >> /tmp/q\_event\_histogram.log  ## Event 1738 histogram, Sync ASM rebalance  30 \* \* \* \* su - oracle -c "export ORACLE\_HOME=/u01/app/oracle/product/18.0.0.0;/u01/app/oracle/admin/scripts/misc/q\_event\_histogram.sh BELPRD 1738 2" >> /tmp/q\_event\_histogram.log  ## Event 168 histogram, log file sync  30 \* \* \* \* su - oracle -c "export ORACLE\_HOME=/u01/app/oracle/product/18.0.0.0;/u01/app/oracle/admin/scripts/misc/q\_event\_histogram.sh BELPRD 168 2" >> /tmp/q\_event\_histogram.log  [root@flbeoraprd01] |

# 5 – Reports list example

This is a subset of the reports generated for events 445 and 579 for BELPRD

|  |
| --- |
| /u01/app/oracle/admin/BELPRD/query\_4\_event  -rw-r--r-- 1 oracle oinstall 57 Dec 23 07:30 BELPRD\_query\_4\_event\_579\_20191223\_073001.lst  -rw-r--r-- 1 oracle oinstall 3443 Dec 23 07:30 BELPRD\_query\_4\_event\_445\_20191223\_073002.lst  -rw-r--r-- 1 oracle oinstall 57 Dec 23 08:30 BELPRD\_query\_4\_event\_579\_20191223\_083001.lst  -rw-r--r-- 1 oracle oinstall 3443 Dec 23 08:30 BELPRD\_query\_4\_event\_445\_20191223\_083001.lst  -rw-r--r-- 1 oracle oinstall 57 Dec 23 09:30 BELPRD\_query\_4\_event\_579\_20191223\_093001.lst  -rw-r--r-- 1 oracle oinstall 3443 Dec 23 09:30 BELPRD\_query\_4\_event\_445\_20191223\_093001.lst  [root@flbeoraprd01]  /u01/app/oracle/admin/BELPRD/query\_4\_event# |