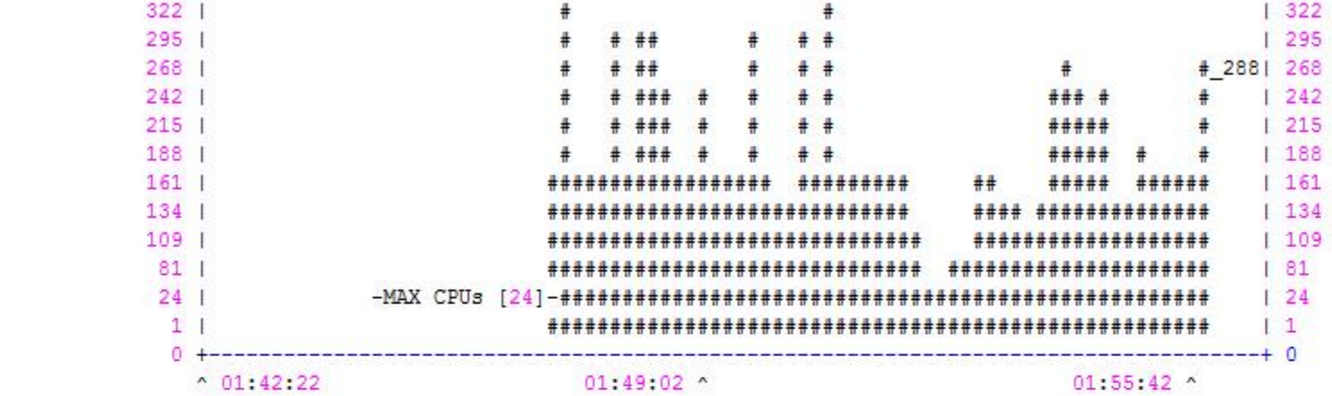
```
###############
Sample Output
###############

+Inst-------+CPUIDL%--IO%-USR%--SYS%+--Tprse/s--+Hprse/s+--PhyWIO/s-+-PhyWMB/s-+--PhyRIO/s--+-PhyRMB/s-+-SessLIO/s--+---Exec/s-+RedoMB/s+Commit/s+-ExSSMB/s-+-ExSIMB/s+-ExFCRh/s+
|AIA1       | 67.8     0  31.2    .7|       2714|      0|       2623|        21|        1183|         9|      370001|      8471|      11|    2001|         0|        0|      980|
|AIA2       | 68.2     0  31.1    .6|       2709|      0|       2491|        22|         928|         7|      340040|      8609|      11|    2004|         0|        0|      703|
+-----------+---------------------+-----------+-------+-----------+----------+------------+----------+------------+----------+--------+--------+----------+---------+---------+

+IMPACT%-+--TOP WAIT EVENTS----------------------+-WAIT CLASS--------+      +IMPACT%-+ TOP SQLS -(child)-+-TOP SESSIONS-------INST:SID-----------------------------------------+
|  51.2% | transaction                           | Other             |      |  26.5% | bk2mk4dh179y7(2)  | 1:1043, 1:1174, 1:1239, 1:1304, ......                  |
|  28.2% | enq: TX - index contention            | Concurrency       |      |  17.6% | bk2mk4dh179y7(0)  | 1:1045, 1:1109, 1:1110, 1:1174, .......                 |
|   8.7% | gc buffer busy acquire                | Cluster           |      |  11.8% | 7jjp97nb9h2up(1)  | 2:1048, 2:1109, 2:1112, 2:1174,                         |
|     5% | cell single block physical read       | User I/O          |      |   7.5% | 0r5xv5d42p3p6(2)  | 1:653, 1:979, 2:1047, 2:1501, 2:588, 2:68  .....        |
|   2.2% | gc current grant busy                 | Cluster           |      |   7.3% | apgu0yan9pb6m(5)  | 1:653, 1:979, 2:1047, 2:1501, 2:588, 2:68  ......       |
+--------+---------------------------------------+-------------------+      +--------+-------------------+---------------------------------------------------------------+

    |  Global  |  Global  | Estd.     |
    |  Cache   |  Cache   | Intercnt  |  | TOP Segments by GC*      |          -------+                          ACTIVE SESSIONS GRAPH                                +----
Inst|  Blocks  |  Blocks  | Traffic   |  | Waits                    |     Active   375 |                                                                               | 375
  ID|  Sent/s  |  Rcvd/s  | MB/s      |  | IMPACT% [Type:Segment]   |   Sessions   349 |                                                                               | 349
+---+----------+----------+-----------+  +--------------------------+              322 |                  #                    #                               | 322
  1 |     10831|     10188|      173.3|  | 40.8% IND:REFERENCE_INSTANCE          295 |                  #   # ##       #   # #                               | 295
  2 |     10650|     10586|        175|  | 23.3% IND:MEDIATOR_INSTANCE           268 |                  #   # ##       #   # #                 #          #_288| 268
                                       | 17.4% IND:REFERENCE_INSTANCE          242 |                  #   # ###  #   #   # #               ### #       #    | 242
                                       |  5.8% IND:S_DOCK_TXN_LOG_P1           215 |                  #   # ###  #   #   # #               #####       #    | 215
                                       |  4.2% IND:COMPOSITE_INSTANCE          188 |                  #   # ###  #   #   # #               #####  #    #    | 188
                                                                                161 |                 ##################  #########     ##    #####  ######    | 161
                                                                                134 |                 ###############################     #### ###############    | 134
                                                                                109 |                 ###############################    ###################    | 109
                                                                                 81 |                 ###############################  ######################    | 81
                                                                                 24 |           -MAX CPUs [24]-#########################################################    | 24
                                                                                  1 |                 ###########################################################    | 1
                                                                                  0 +-------------------------------------------------------------------------------+ 0
                                                                                     ^ 01:42:22                  01:49:02 ^                          01:55:42 ^

+--SqlID--------+--SqlText-------------------------------------------------------------------------------------+-LongstDur-+-InstCnt-+-Cnt-+--CPU%--+--CONC%--+--CLUS%--+-IO%-+---ReadMb-+
| 0r5xv5d42p3p6 | INSERT INTO REFERENCE_INSTANCE (ID, BINDING_TYPE, REFERENCE_NAME, UPDATED_TIME, PRO |           |    2    |  12 |      0 |      0 |      0 |    0|         0|
+---------------+-------------------------------------------------------------------------------------+-----------+---------+-----+--------+--------+--------+-----+----------+
| bk2mk4dh179y7 | select VALUE from XREF_DATA  where XREF_COLUMN_NAME = :1  and XREF_TABLE_NAME = :2  | 00:00:09  |    2    |  46 |    59% |     3% |      0 |   4%|       127|
+---------------+-------------------------------------------------------------------------------------+-----------+---------+-----+--------+--------+--------+-----+----------+
| 7jjp97nb9h2up | INSERT INTO COMPOSITE_INSTANCE (ID, COMPOSITE_DN, CONVERSATION_ID, UPDATED_BY, PARE |           |    2    |  14 |      0 |      0 |      0 |    0|         0|
+---------------+-------------------------------------------------------------------------------------+-----------+---------+-----+--------+--------+--------+-----+----------+
| apgu0yan9pb6m | insert into  XREF_DATA  ( XREF_TABLE_NAME, XREF_COLUMN_NAME, ROW_NUMBER, VALUE, IS  |           |    2    |  14 |      0 |      0 |      0 |    0|         0|
+---------------+-------------------------------------------------------------------------------------+-----------+---------+-----+--------+--------+--------+-----+----------+
```

```
##############################################
-- Below section shows metrics instance wise
##############################################


+Inst-------+CPUIDL%--IO%-USR%--SYS%+--Tprse/s--+Hprse/s+--PhyWIO/s-+-PhyWMB/s-+--PhyRIO/s--+-PhyRMB/s-+-SessLIO/s--+---Exec/s-+RedoMB/s+Commit/s+-ExSSMB/s-+-ExSIMB/s+-ExFCRh/s+
|AIA1       | 67.8     0  31.2    .7|       2714|      0|       2623|        21|        1183|         9|      370001|      8471|      11|    2001|         0|        0|      980|
|AIA2       | 68.2     0  31.1    .6|       2709|      0|       2491|        22|         928|         7|      340040|      8609|      11|    2004|         0|        0|      703|
+-----------+----------------------+-----------+-------+-----------+----------+------------+----------+------------+----------+--------+--------+----------+---------+---------+


+Inst-------+ <-- Instance name     +CPUIDL%--IO%-USR%--SYS%+
|AIA1       |                       | 67.8     0  31.2    .7| -- This sections shows CPU usage IDLE% IO%, USER% SYS%
|AIA2       |                       | 68.2     0  31.1    .6| -- For Exadata, we may not see IO Usage as Grid disks exposed to ASM only
+-----------+                       +----------------------+



+--Tprse/s--+Hprse/s+--PhyWIO/s-+-PhyWMB/s-+--PhyRIO/s--+-PhyRMB/s-+-SessLIO/s--+
|       2714|      0|       2623|        21|        1183|         9|      370001|
|       2709|      0|       2491|        22|         928|         7|      340040|
+-----------+-------+-----------+----------+------------+----------+------------+

--  Tprse/s   : Total parse per second
--  Hprse/s   : Hard parse per second
--  PhyWIO/s  : Physical Write IO per second
--  PhyWMB/s  : Physical Write MB per second
--  PhyRIO/s  : Physical Read IO per second
--  PhyRMB/s  : Physical Read MB per second
--  SessLIO/s : Session Logical IO per second



+---Exec/s-+RedoMB/s+Commit/s+
|      8471|      11|    2001|
|      8609|      11|    2004|
+----------+--------+--------+

-- Exec/s   : Total Executions for the Instance per second
-- RedoMB/s : Redo Generation MB per second
-- Commit/s : User commit per second
```

```
-- Exadata Related Stats
+-ExSSMB/s-+-ExSIMB/s+-ExFCRh/s+
|         0|         0|      980|
|         0|         0|      703|
+----------+----------+---------+

-- ExSSMB/s  : cell physical IO interconnect bytes returned by smart scan MB per second
-- ExSIMB/s  : cell physical IO bytes saved by storage index MB per second
-- ExFCRh/s  : cell flash cache read hits per second

--      Note : Above snapshot was taken for OLTP kind of workload, hence no
--             smartscan/storage index was in picture, only Flash Cache


########################################
-- Below section shows Cluster Level info
########################################

+IMPACT%-+--TOP WAIT EVENTS----------------------+-WAIT CLASS--------+
|  51.2% | transaction                          | Other             |
|  28.2% | enq: TX - index contention           | Concurrency       |
|   8.7% | gc buffer busy acquire               | Cluster           |
|     5% | cell single block physical read      | User I/O          |
|   2.2% | gc current grant busy                | Cluster           |
+--------+--------------------------------------+-------------------+

 Above sections shows TOP 5 wait events for the last sample [ default 6 second ]

-- IMPACT%    :  Impact was calulcated based on AWR formula, Time spent on individual wait event / Total Wait Time * 100
-- WAIT EVENT :  Name of the Wait Event
-- WAIT CLASS :  Name of the Wait Class


 * * Cluster Level info * *
+IMPACT%-+ TOP SQLS -(child)-+-TOP SESSIONS-------INST:SID-----------------------------------------+
|  26.5% | bk2mk4dh179y7(2)   | 1:1043, 1:1174, 1:1239, 1:1304, ......                            |
|  17.6% | bk2mk4dh179y7(0)   | 1:1045, 1:1109, 1:1110, 1:1174, .......                           |
|  11.8% | 7jjp97nb9h2up(1)   | 2:1048, 2:1109, 2:1112, 2:1174,                                   |
|   7.5% | 0r5xv5d42p3p6(2)   | 1:653, 1:979, 2:1047, 2:1501, 2:588, 2:68  .....                  |
|   7.3% | apgu0yan9pb6m(5)   | 1:653, 1:979, 2:1047, 2:1501, 2:588, 2:68  ......                 |
+--------+--------------------+-------------------------------------------------------------------+

 Above sections shows TOP 5 SQLs for the last sample [ default 6 second ]

-- IMPACT%    :  Impact was calculated based on AWR formula, Time spent on individual sql / Total Wait Time * 100
-- TOP SQL - (child) : Sql id along with child info
-- INST:SID   :  Instance ID and SID for the session running sql, due to space limitation, only few sessions will shown
```

* * Cluster Level info * *



-- Above sections shows total active sessions across the cluster, time window calculated based on sample time [6 second default]
-- total 80 samples are printed in graph, one line represents one sample time. Active Session range will change automatically
-- based on active sessions and graph will adjust accordingly. Idea was to have some trend about the active session history.
-- MAX CPU will also be shown to have some idea about Active sessions Vs CPUs available.

-- Note : if value falls in between 2 range buckets then it will be shown in front of lower value, for example - in above screenshot
--   current active sessions were 288 and it was displayed in front of 268, same applies to MAX CPU info as well

* * Instance level info * *

Inst ID	Global Cache Blocks Sent/s	Global Cache Blocks Rcvd/s	Estd. Intercnt Traffic MB/s
1	10831	10188	173.3
2	10650	10586	175

-- Above sections shows Global Cache info instance wise

-- InstID : Instance ID no.
-- GC Blocks Sents/s : Global cache blocks sent by instance per second
-- GC Blocks Rcvd/s : Global cache blocks received by instance per second
-- Estd. Interconnect Traffic MB : Estimated traffic MB for interconnect by instance

* * Cluster Level info * *

TOP Segments by GC*
Waits
IMPACT% [Type:Segment]
40.8% IND:REFERENCE_INSTANCE
23.3% IND:MEDIATOR_INSTANCE
17.4% IND:REFERENCE_INSTANCE
5.8% IND:S_DOCK_TXN_LOG_P1
4.2% IND:COMPOSITE_INSTANCE

-- TOP Segments based on all Global Cache* events, Impact is calculated based on GC* waits on individual
-- Segment / Total GC* waits * 100

* * Cluster level info * *

SqlID	SqlText	LongstDur	InstCnt	Cnt	CPU%	CONC%	CLUS%	IO%	ReadMb
0r5xv5d42p3p6	INSERT INTO REFERENCE_INSTANCE (ID, BINDING_TYPE, REFERENCE_NAME, UPDATED_TIME, PRO		2	12	0	0	0	0	0
bk2mk4dh179y7	select VALUE from XREF_DATA where XREF_COLUMN_NAME = :1 and XREF_TABLE_NAME = :2	00:00:09	2	46	59%	3%	0	4%	227
7jjp97nb9h2up	INSERT INTO COMPOSITE_INSTANCE (ID, COMPOSITE_DN, CONVERSATION_ID, UPDATED_BY, PARE		2	14	0	0	0	0	0
apgu0yan9pb6m	insert into XREF_DATA (XREF_TABLE_NAME, XREF_COLUMN_NAME, ROW_NUMBER, VALUE, IS		2	14	0	0	0	0	0

-- Above sections shows cummulative info for the TOP Sqls

-- LongstDur : if multiple sessions are running same sql, this column would tell timing for the first query, longest duration.
-- InstCnt : Total no. of Instance running same sql at time of sample [including parallel and non-parallel query]
-- Cnt : Total sessions running same query across all the instances [including parallel and non-parallel]

-- CPU% : %time spent on CPU
-- CONC% : %time spent on Concurrency
-- CLU% : %time spent on Cluster waits
-- IO% : %time spent on IO

--ReadMB : Total physical read mb by the query, cummulative for all running queries across the cluster

-- Note: Most of the columns are fetched from gV$sql_Monitor, will only be populated if query running more than 6 seconds on CPU/IO