

: How to generate ASH report from Oracle Database?

ASH reports give a quick glance of how the database has performed between two snapshots. It mainly highlights the following areas:

- Top User Events (frequent wait events)
- Details to the wait events
- Top Queries
- Top Sessions
- Top Blocking Sessions
- Top DB Objects
- Activity Over Time

To generate ASH report, DBA needs to perform the following:

1) Login to DB Server as oracle

2) export ORACLE_SID=PrimeDG

3) cd \$ORACLE_HOME/**rdbms/admin**

4) sqlplus / as sysdba

5) **@ashrpt.sql**
 (or)
 @\$ORACLE_HOME/rdbms/admin/ashrpt.sql

6) Enter value for report_type: **html**

Note: Since, we want to open the file in nicely formatted way, we pick html format.

7) Enter value for begin_time: **<enter>**

Note: Default is last 15 minutes. If you need to change to non-default value, feel free to change the value. You can change the value as below.

- If the requirement is from past 30 minutes then enter: **-30**
- if the requirement is from past 1 ½ hours then enter: **-1:30**
- if the requirement is from past 1 day, then enter: **-24:00**

8) Enter value for duration: **5**

Note: I used 5 minutes as the end time from the begin time specified in Step-6.. Feel free to change the value as per your need.

9) Enter value for report_name: **Moid_ASH_testing.html**

To pull the report, download a tool call WinSCP. At the moment of writing this page, WinSCP 5.1.4 was the latest version and can be download from www.download.com or by [by clicking here](#).

10) Start WinSCP and configure it connect to server 223 with “oracle” username.

12) Double click the file to open the report in browser

How to check the snapshot IDs:

INSTANCE_NAME	DB_NAME	SNAP_ID	BEGIN_SNAP_TIME	END_SNAP_TIME	DB_BOUNCE
PrimeDG	PRIMEDG	2317	05/04/2014:23:00	05/05/2014:00:00	
PrimeDG	PRIMEDG	2318	05/05/2014:00:00	05/05/2014:01:00	
PrimeDG	PRIMEDG	2319	05/05/2014:01:00	05/05/2014:02:00	
PrimeDG	PRIMEDG	2320	05/05/2014:02:00	05/05/2014:03:00	
PrimeDG	PRIMEDG	2321	05/05/2014:03:00	05/05/2014:04:00	
PrimeDG	PRIMEDG	2322	05/05/2014:04:00	05/05/2014:05:00	
PrimeDG	PRIMEDG	2323	05/05/2014:05:00	05/05/2014:06:00	
PrimeDG	PRIMEDG	2324	05/05/2014:06:00	05/05/2014:07:00	
PrimeDG	PRIMEDG	2325	05/05/2014:07:00	05/05/2014:08:00	
PrimeDG	PRIMEDG	2326	05/05/2014:08:00	05/05/2014:09:00	
PrimeDG	PRIMEDG	2327	05/05/2014:09:00	05/05/2014:10:00	
PrimeDG	PRIMEDG	2328	05/05/2014:10:00	05/05/2014:11:00	

```

set linesize 200
select
    dhdi.instance_name,
    dhdi.db_name,
    dhs.snap_id,
    to_char(dhs.begin_interval_time,'MM/DD/YYYY:HH24:MI') begin_snap_time,
    to_char(dhs.end_interval_time,'MM/DD/YYYY:HH24:MI')    end_snap_time,
    decode(dhs.startup_time,dhs.begin_interval_time,'**db restart**',null) db_bounce
from
    dba_hist_snapshot dhs,
    dba_hist_database_instance dhdi
where
    dhdi.dbid=dhs.dbid

```

```

and dhdi.instance_number=dhs.instance_number
and dhdi.startup_time=dhs.startup_time
and dhs.snap_ID=&enter_snapid;

```

```

SQL> select
  2     dhdi.instance_name,
        dhdi.db_name,
        dhs.snap_id,
        to_char(dhs.begin_interval_time,'MM/DD/YYYY:HH24:MI') begin_snap_time,
        to_char(dhs.end_interval_time,'MM/DD/YYYY:HH24:MI')   end_snap_time,
        decode(dhs.startup_time,dhs.begin_interval_time,'**db restart**',null) db_boun
  from
        dba_hist_snapshot dhs,
        dba_hist_database_instance dhdi
  where
        dhdi.dbid=dhs.dbid
        and dhdi.instance_number=dhs.instance_number
        and dhdi.startup_time=dhs.startup_time
        and dhs.snap_ID=&enter_snapid;
Enter value for enter_snapid: 2328
old 15:          and dhs.snap_ID=&enter_snapid
new 15:          and dhs.snap_ID=2328

```

INSTANCE_NAME	DB_NAME	SNAP_ID	BEGIN_SNAP_TIME	END_SNAP_TIME	DB_BOUNCE
PrimeDG	PRIMEDG	2328	05/05/2014:10:00	05/05/2014:11:00	

How to check the retention time (how long snapshots will stay in sysaux tablespace before they get purged)?

```

col snap_interval format a20
col retention format a20
select
        snap_interval,
        retention
  from
        dba_hist_wr_control;

```

SNAP_INTERVAL	RETENTION
+000000 01:00:00.0	+000008 00:00:00.0

Where:

- Snap_Interval is the interval between snapshots and
- Retention is how long snapshots should remain in sysaux tablespace before they are purged out.