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Performance Monitor for Oracle

RAC support

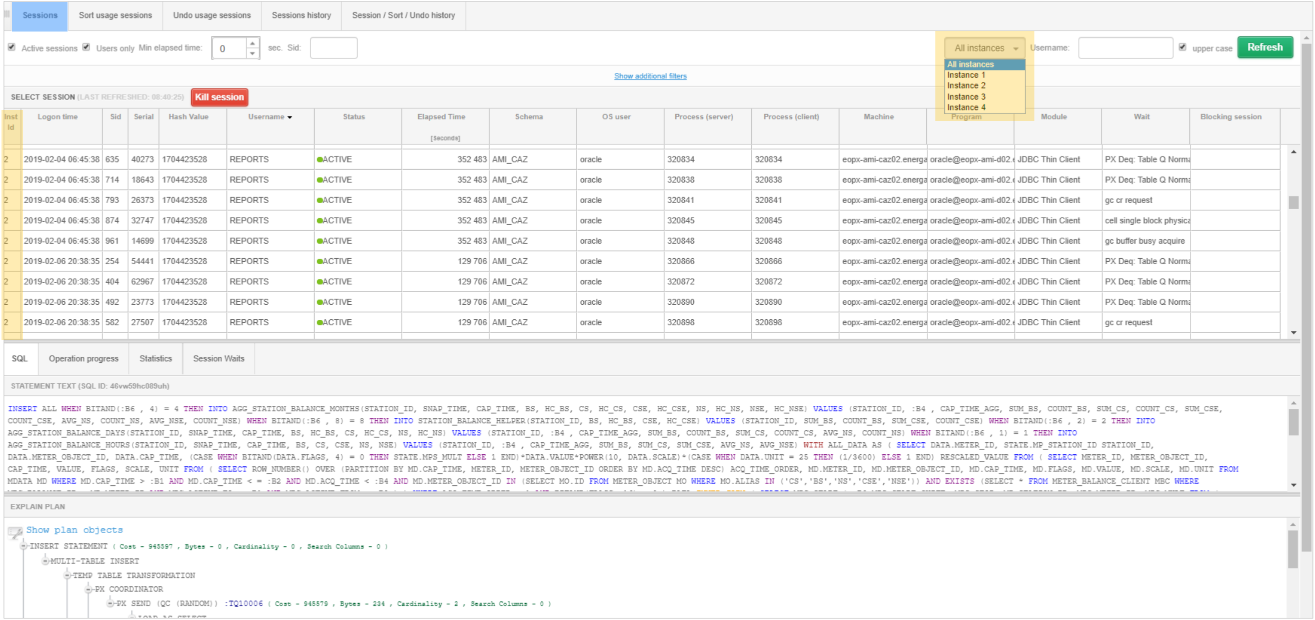
dbplus.tech

Sessions Online

The DBPLUS PM application supports the Real Application Clusters (RAC) architecture.

It allows a quick preview of all instances in the **RAC** from the level of the monitored database.

The session screen allows an **online** preview of the **sessions** performed in the RAC.



☑ Active sessions ☑ Users only Min elapsed time: 0 sec. Sid:

All instances Username: ☑ upper case

SELECT SESSION (LAST REFRESHED: 08:40:25)

Inst Id	Logon time	Sid	Serial	Hash Value	Username	Status	Elapsed Time [Seconds]	Schema	OS user	Process (server)	Process (client)	Machine	Program	Module	Wait	Blocking session
2	2019-02-04 06:45:38	635	40273	1704423528	REPORTS	●ACTIVE	352 483	AMI_CAZ	oracle	320834	320834	eopx-ami-caz02.energa	oracle@eopx-ami-d02.	JDBC Thin Client	PX Deq: Table Q Norma	
2	2019-02-04 06:45:38	714	18643	1704423528	REPORTS	●ACTIVE	352 483	AMI_CAZ	oracle	320838	320838	eopx-ami-caz02.energa	oracle@eopx-ami-d02.	JDBC Thin Client	PX Deq: Table Q Norma	
2	2019-02-04 06:45:38	793	26373	1704423528	REPORTS	●ACTIVE	352 483	AMI_CAZ	oracle	320841	320841	eopx-ami-caz02.energa	oracle@eopx-ami-d02.	JDBC Thin Client	gc cr request	
2	2019-02-04 06:45:38	874	32747	1704423528	REPORTS	●ACTIVE	352 483	AMI_CAZ	oracle	320845	320845	eopx-ami-caz02.energa	oracle@eopx-ami-d02.	JDBC Thin Client	cell single block physica	
2	2019-02-04 06:45:38	961	14699	1704423528	REPORTS	●ACTIVE	352 483	AMI_CAZ	oracle	320848	320848	eopx-ami-caz02.energa	oracle@eopx-ami-d02.	JDBC Thin Client	gc buffer busy acquire	
2	2019-02-06 20:38:35	254	54441	1704423528	REPORTS	●ACTIVE	129 706	AMI_CAZ	oracle	320866	320866	eopx-ami-caz02.energa	oracle@eopx-ami-d02.	JDBC Thin Client	PX Deq: Table Q Norma	
2	2019-02-06 20:38:35	404	62967	1704423528	REPORTS	●ACTIVE	129 706	AMI_CAZ	oracle	320872	320872	eopx-ami-caz02.energa	oracle@eopx-ami-d02.	JDBC Thin Client	PX Deq: Table Q Norma	
2	2019-02-06 20:38:35	492	23773	1704423528	REPORTS	●ACTIVE	129 706	AMI_CAZ	oracle	320890	320890	eopx-ami-caz02.energa	oracle@eopx-ami-d02.	JDBC Thin Client	PX Deq: Table Q Norma	
2	2019-02-06 20:38:35	582	27507	1704423528	REPORTS	●ACTIVE	129 706	AMI_CAZ	oracle	320898	320898	eopx-ami-caz02.energa	oracle@eopx-ami-d02.	JDBC Thin Client	gc cr request	

STATEMENT TEXT (SQL ID: 46vw59hc089uh)

```
INSERT ALL WHEN BITAND(:B6 , 4) = 4 THEN INTO AGG_STATION_BALANCE_MONTHS(STATION_ID, SNAP_TIME, CAP_TIME, BS, HC_BS, CS, HC_CS, CSE, HC_CSE, NS, HC_NS, NSE, HC_NSE) VALUES (STATION_ID, :B4 , CAP_TIME_AGG, SUM_BS, COUNT_BS, SUM_CS, COUNT_CS, SUM_CSE,
COUNT_CSE, AVG_NS, COUNT_NS, AVG_NSE, COUNT_NSE) WHEN BITAND(:B6 , 8) = 8 THEN INTO STATION_BALANCE_HELPER(STATION_ID, BS, HC_BS, CSE, HC_CSE) VALUES (STATION_ID, SUM_BS, COUNT_BS, SUM_CSE, COUNT_CSE) WHEN BITAND(:B6 , 2) = 2 THEN INTO
AGG_STATION_BALANCE_DAYS(STATION_ID, SNAP_TIME, CAP_TIME, BS, HC_BS, CS, HC_CS, NS, HC_NS) VALUES (STATION_ID, :B4 , CAP_TIME_AGG, SUM_BS, COUNT_BS, SUM_CS, COUNT_CS, AVG_NS, COUNT_NS) WHEN BITAND(:B6 , 1) = 1 THEN INTO
AGG_STATION_BALANCE_HOURS(STATION_ID, SNAP_TIME, CAP_TIME, BS, CS, CSE, NS, NSE) VALUES (STATION_ID, :B4 , CAP_TIME_AGG, SUM_BS, SUM_CS, SUM_CSE, AVG_NS, AVG_NSE) WITH ALL_DATA AS ( SELECT DATA.METER_ID, STATE.MP_STATION_ID STATION_ID,
DATA.METER_OBJECT_ID, DATA.CAP_TIME, (CASE WHEN BITAND(DATA.FLAGS, 4) = 0 THEN STATE.MPS_MULT ELSE 1 END)*DATA.VALUE*POWER(10, DATA.SCALE)*(CASE WHEN DATA.UNIT = 25 THEN (1/3600) ELSE 1 END) RESCALED_VALUE FROM ( SELECT METER_ID, METER_OBJECT_ID,
CAP_TIME, VALUE, FLAGS, SCALE, UNIT FROM ( SELECT ROW_NUMBER() OVER (PARTITION BY MD.CAP_TIME, METER_ID, METER_OBJECT_ID ORDER BY MD.ACQ_TIME DESC) ACQ_TIME_ORDER, MD.METER_ID, MD.METER_OBJECT_ID, MD.CAP_TIME, MD.FLAGS, MD.VALUE, MD.SCALE, MD.UNIT FROM
MDATA MD WHERE MD.CAP_TIME > :B1 AND MD.CAP_TIME < = :B2 AND MD.ACQ_TIME < :B4 AND MD.METER_OBJECT_ID IN (SELECT MO.ID FROM METER_OBJECT MO WHERE MO.ALIAS IN ('CS','BS','NS','CSE','NSE')) AND EXISTS (SELECT * FROM METER_BALANCE_CLIENT MBC WHERE
```

EXPLAIN PLAN

Show plan objects

```
-INSERT STATEMENT ( Cost - 945597 , Bytes - 0 , Cardinality - 0 , Search Columns - 0 )
  -MULTI-TABLE INSERT
    -TEMP TABLE TRANSFORMATION
      -PX COORDINATOR
        -PX SEND (QC (RANDOM)) :TQ10006 ( Cost - 945579 , Bytes - 234 , Cardinality - 2 , Search Columns - 0 )
```

Sort Usage Sessions

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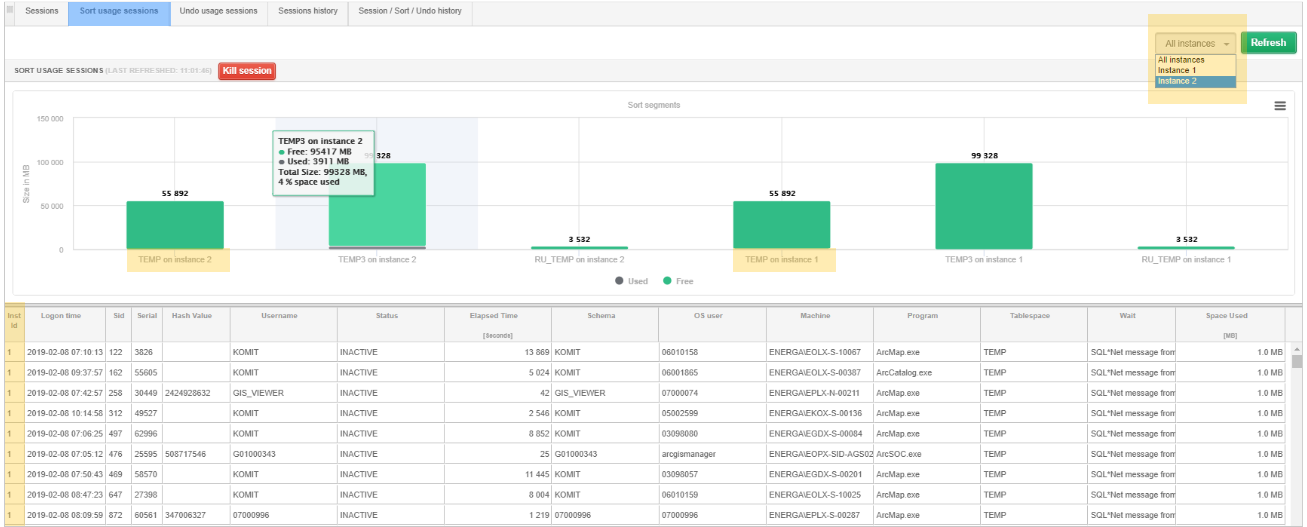
Sort usage sessions
- a screen that allows for session analysis for the use of temporary space (e.g. a query session that **sorts** a large amount of data).

The graph presents information about space occupancy for each instance in **RAC**.



TEMP3 on instance 2
● Free: 95417 MB
● Used: 3911 MB
Total Size: 99328 MB,
4 % space used

Inst Id	Logon time	Sid	Serial	Hash Value	Username	Status	Elapsed Time	Schema	OS user	Machine	Program	Tablespace	Wait	Space Used
							[Seconds]							[MB]
1	2019-02-08 07:10:13	122	3826		KOMIT	INACTIVE	13 869	KOMIT	06010158	ENERGA\EOLX-S-10067	ArcMap.exe	TEMP	SQL*Net message from	1.0 MB
1	2019-02-08 09:37:57	162	55605		KOMIT	INACTIVE	5 024	KOMIT	06001865	ENERGA\EOLX-S-00387	ArcCatalog.exe	TEMP	SQL*Net message from	1.0 MB
1	2019-02-08 07:42:57	258	30449	2424928632	GIS_VIEWER	INACTIVE	42	GIS_VIEWER	07000074	ENERGA\EPLX-N-00211	ArcMap.exe	TEMP	SQL*Net message from	1.0 MB
1	2019-02-08 10:14:58	312	49527		KOMIT	INACTIVE	2 546	KOMIT	05002599	ENERGA\EKOX-S-00136	ArcMap.exe	TEMP	SQL*Net message from	1.0 MB
1	2019-02-08 07:06:25	497	62996		KOMIT	INACTIVE	8 852	KOMIT	03098080	ENERGA\EGDX-S-00084	ArcMap.exe	TEMP	SQL*Net message from	1.0 MB
1	2019-02-08 07:05:12	476	25595	508717546	G01000343	INACTIVE	25	G01000343	arcgismanager	ENERGA\EOPX-SID-AGS02	ArcSOC.exe	TEMP	SQL*Net message from	1.0 MB
1	2019-02-08 07:50:43	469	58570		KOMIT	INACTIVE	11 445	KOMIT	03098057	ENERGA\EGDX-S-00201	ArcMap.exe	TEMP	SQL*Net message from	1.0 MB
1	2019-02-08 08:47:23	647	27398		KOMIT	INACTIVE	8 004	KOMIT	06010159	ENERGA\EOLX-S-10025	ArcMap.exe	TEMP	SQL*Net message from	1.0 MB
1	2019-02-08 08:09:59	872	60561	347006327	07000996	INACTIVE	1 219	07000996	07000996	ENERGA\EPLX-S-00287	ArcMap.exe	TEMP	SQL*Net message from	1.0 MB

Undo usage sessions

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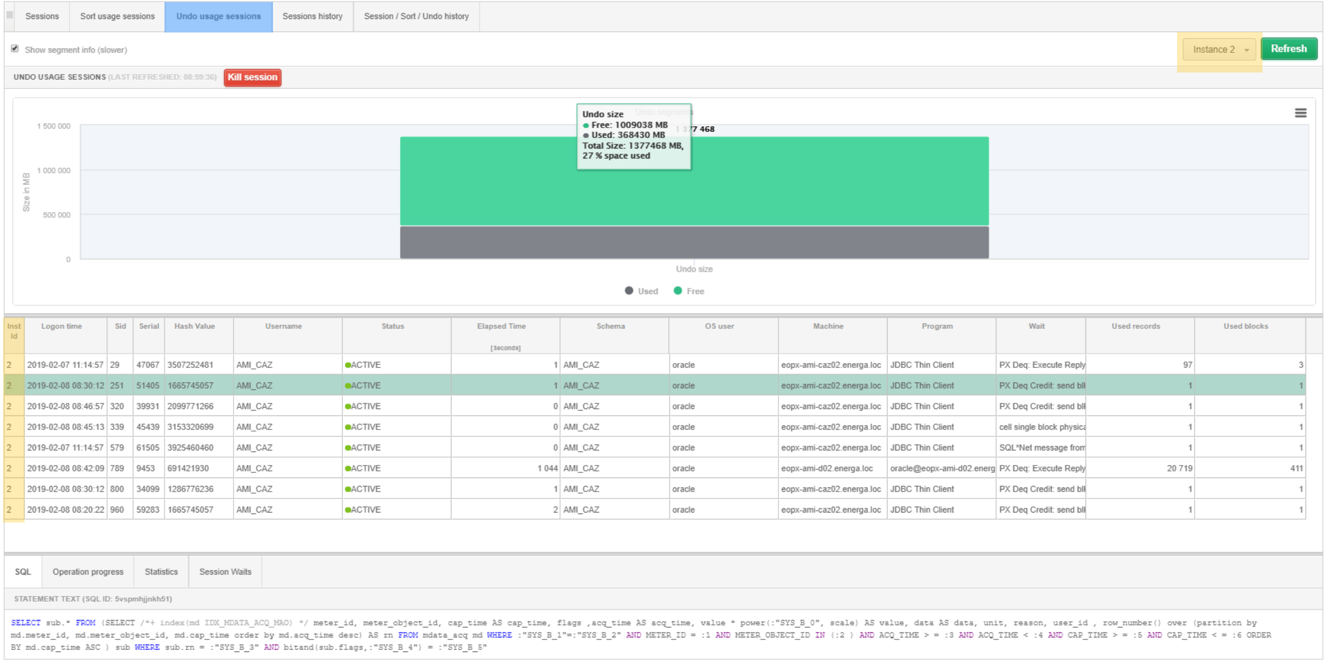
Undo usage session - functionality that allows for session analysis for the use of UNDO space (e.g. sessions holding a large portion of data in an uncommitted transaction).

By changing the instance, you can quickly verify which sessions use the most space from all instances in the **RAC**.



☑ Show segment info (slower)

UNDO USAGE SESSIONS (LAST REFRESHED: 08:59:36)

Undo size
● Free: 1009038 MB
● Used: 368430 MB
Total Size: 1377468 MB,
27 % space used

Inst Id	Logon time	Sid	Serial	Hash Value	Username	Status	Elapsed Time [Seconds]	Schema	OS user	Machine	Program	Wait	Used records	Used blocks
2	2019-02-07 11:14:57	29	47067	3507252481	AMI_CAZ	●ACTIVE	1	AMI_CAZ	oracle	eopx-ami-caz02.energa.loc	JDBC Thin Client	PX Deq: Execute Reply	97	3
2	2019-02-08 08:30:12	251	51405	1665745057	AMI_CAZ	●ACTIVE	1	AMI_CAZ	oracle	eopx-ami-caz02.energa.loc	JDBC Thin Client	PX Deq Credit: send bll	1	1
2	2019-02-08 08:46:57	320	39931	2099771266	AMI_CAZ	●ACTIVE	0	AMI_CAZ	oracle	eopx-ami-caz02.energa.loc	JDBC Thin Client	PX Deq Credit: send bll	1	1
2	2019-02-08 08:45:13	339	45439	3153320699	AMI_CAZ	●ACTIVE	0	AMI_CAZ	oracle	eopx-ami-caz02.energa.loc	JDBC Thin Client	cell single block physica	1	1
2	2019-02-07 11:14:57	579	61505	3925460460	AMI_CAZ	●ACTIVE	0	AMI_CAZ	oracle	eopx-ami-caz02.energa.loc	JDBC Thin Client	SQL*Net message from	1	1
2	2019-02-08 08:42:09	789	9453	691421930	AMI_CAZ	●ACTIVE	1 044	AMI_CAZ	oracle	eopx-ami-d02.energa.loc	oracle@eopx-ami-d02.energ	PX Deq: Execute Reply	20 719	411
2	2019-02-08 08:30:12	800	34099	1286776236	AMI_CAZ	●ACTIVE	1	AMI_CAZ	oracle	eopx-ami-caz02.energa.loc	JDBC Thin Client	PX Deq Credit: send bll	1	1
2	2019-02-08 08:20:22	960	59283	1665745057	AMI_CAZ	●ACTIVE	2	AMI_CAZ	oracle	eopx-ami-caz02.energa.loc	JDBC Thin Client	PX Deq Credit: send bll	1	1

STATEMENT TEXT (SQL ID: 5vspmhjjnkh51)

```
SELECT sub.* FROM (SELECT /*+ index(md IDX_MDATA_ACQ_MAO) */ meter_id, meter_object_id, cap_time AS cap_time, flags ,acq_time AS acq_time, value * power(:"SYS_B_0", scale) AS value, data AS data, unit, reason, user_id , row_number() over (partition by
md.meter_id, md.meter_object_id, md.cap_time order by md.acq_time desc) AS rn FROM mdata_acq md WHERE :"SYS_B_1"=:"SYS_B_2" AND METER_ID = :1 AND METER_OBJECT_ID IN (:2 ) AND ACQ_TIME > = :3 AND ACQ_TIME < :4 AND CAP_TIME > = :5 AND CAP_TIME < = :6 ORDER
BY md.cap_time ASC ) sub WHERE sub.rn = :"SYS_B_3" AND bitand(sub.flags,:"SYS_B_4") = :"SYS_B_5"
```

Sessions history

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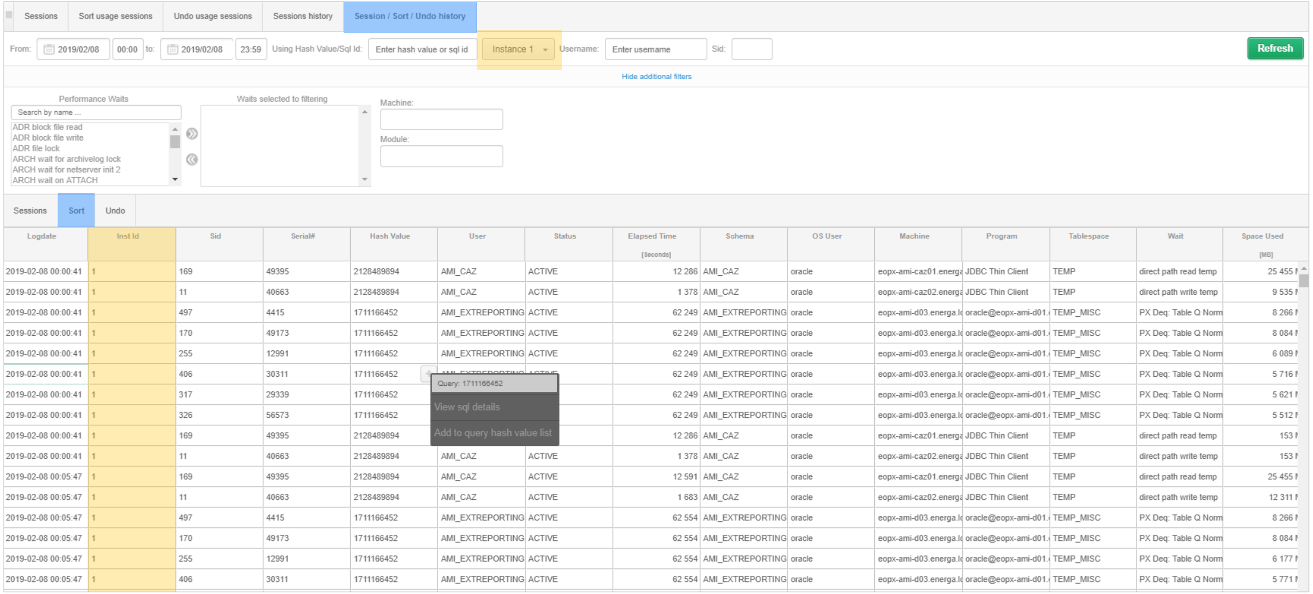
The screen contains information on **session history** for all instances included in the RAC.

It allows a quick preview of instances in the **RAC** from the level of the monitored database.

The history also contains information about the following sessions:

- active
- using sorting
- using UNDO



From: 2019/02/08 00:00 to: 2019/02/08 23:59 Using Hash Value/Sql Id: Enter hash value or sql id Instance 1 Username: Enter username Sid:

ADR block file read
ADR block file write
ADR file lock
ARCH wait for archivelog lock
ARCH wait for netserver init 2
ARCH wait on ATTACH

Machine:

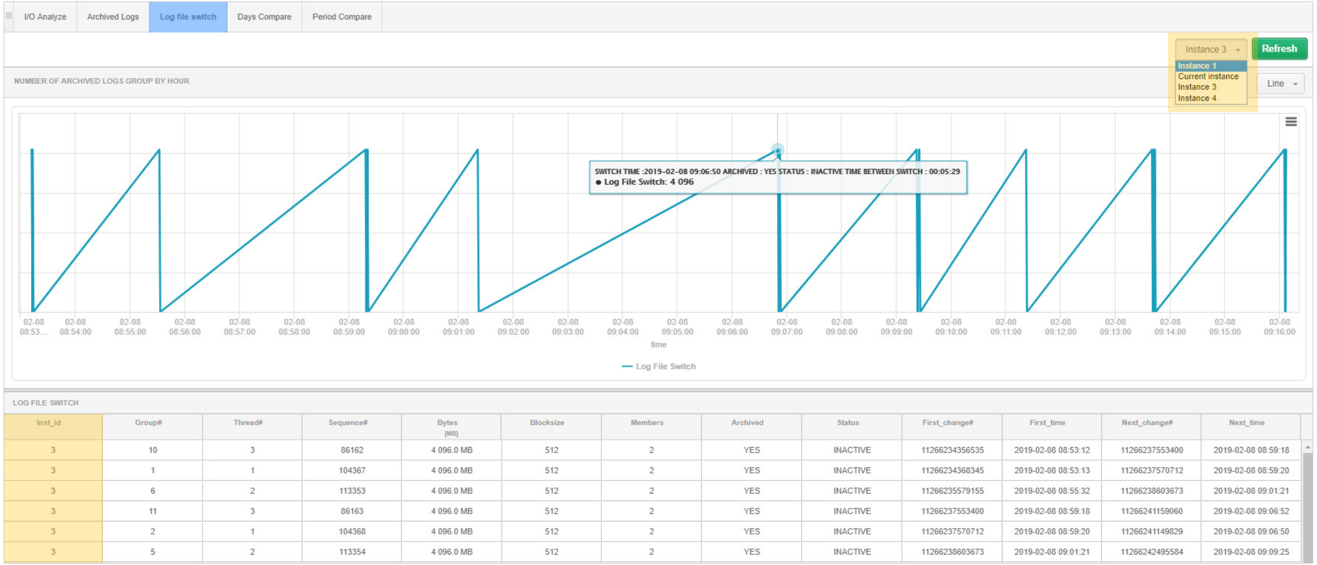
Module:

Logdate	Inst Id	Sid	Serial#	Hash Value	User	Status	Elapsed Time [Seconds]	Schema	OS User	Machine	Program	Tablespace	Wait	Space Used [MB]
2019-02-08 00:00:41	1	169	49395	2128489894	AMI_CAZ	ACTIVE	12 286	AMI_CAZ	oracle	eopx-ami-caz01.energa	JDBC Thin Client	TEMP	direct path read temp	25 455
2019-02-08 00:00:41	1	11	40663	2128489894	AMI_CAZ	ACTIVE	1 378	AMI_CAZ	oracle	eopx-ami-caz02.energa	JDBC Thin Client	TEMP	direct path write temp	9 535
2019-02-08 00:00:41	1	497	4415	1711166452	AMI_EXTREPORTING	ACTIVE	62 249	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	8 266
2019-02-08 00:00:41	1	170	49173	1711166452	AMI_EXTREPORTING	ACTIVE	62 249	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	8 084
2019-02-08 00:00:41	1	255	12991	1711166452	AMI_EXTREPORTING	ACTIVE	62 249	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	6 089
2019-02-08 00:00:41	1	406	30311	1711166452	AMI_EXTREPORTING	ACTIVE	62 249	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	5 716
2019-02-08 00:00:41	1	317	29339	1711166452			62 249	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	5 621
2019-02-08 00:00:41	1	326	56573	1711166452			62 249	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	5 512
2019-02-08 00:00:41	1	169	49395	2128489894			12 286	AMI_CAZ	oracle	eopx-ami-caz01.energa	JDBC Thin Client	TEMP	direct path read temp	153
2019-02-08 00:00:41	1	11	40663	2128489894	AMI_CAZ	ACTIVE	1 378	AMI_CAZ	oracle	eopx-ami-caz02.energa	JDBC Thin Client	TEMP	direct path write temp	153
2019-02-08 00:05:47	1	169	49395	2128489894	AMI_CAZ	ACTIVE	12 591	AMI_CAZ	oracle	eopx-ami-caz01.energa	JDBC Thin Client	TEMP	direct path read temp	25 455
2019-02-08 00:05:47	1	11	40663	2128489894	AMI_CAZ	ACTIVE	1 683	AMI_CAZ	oracle	eopx-ami-caz02.energa	JDBC Thin Client	TEMP	direct path write temp	12 311
2019-02-08 00:05:47	1	497	4415	1711166452	AMI_EXTREPORTING	ACTIVE	62 554	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	8 266
2019-02-08 00:05:47	1	170	49173	1711166452	AMI_EXTREPORTING	ACTIVE	62 554	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	8 084
2019-02-08 00:05:47	1	255	12991	1711166452	AMI_EXTREPORTING	ACTIVE	62 554	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	6 177
2019-02-08 00:05:47	1	406	30311	1711166452	AMI_EXTREPORTING	ACTIVE	62 554	AMI_EXTREPORTING	oracle	eopx-ami-d03.energa.l	oracle@eopx-ami-d01.	TEMP_MISC	PX Deq: Table Q Norm	5 771

Log file Switch

The screen shows information about the switching of **redo log** files.

By changing instances, you can easily verify file switching for any instance in **RAC**.



SWITCH TIME :2019-02-08 09:06:50 ARCHIVED : YES STATUS : INACTIVE TIME BETWEEN SWITCH : 00:05:29
● Log File Switch: 4 096

LOG FILE SWITCH

Inst_id	Group#	Thread#	Sequence#	Bytes [MB]	Blocksize	Members	Archived	Status	First_change#	First_time	Next_change#	Next_time
3	10	3	86162	4 096.0 MB	512	2	YES	INACTIVE	11266234356535	2019-02-08 08:53:12	11266237553400	2019-02-08 08:59:18
3	1	1	104367	4 096.0 MB	512	2	YES	INACTIVE	11266234368345	2019-02-08 08:53:13	11266237570712	2019-02-08 08:59:20
3	6	2	113353	4 096.0 MB	512	2	YES	INACTIVE	11266235579155	2019-02-08 08:55:32	11266238603673	2019-02-08 09:01:21
3	11	3	86163	4 096.0 MB	512	2	YES	INACTIVE	11266237553400	2019-02-08 08:59:18	11266241159060	2019-02-08 09:06:52
3	2	1	104368	4 096.0 MB	512	2	YES	INACTIVE	11266237570712	2019-02-08 08:59:20	11266241149829	2019-02-08 09:06:50
3	5	2	113354	4 096.0 MB	512	2	YES	INACTIVE	11266238603673	2019-02-08 09:01:21	11266242495584	2019-02-08 09:09:25

Locks history

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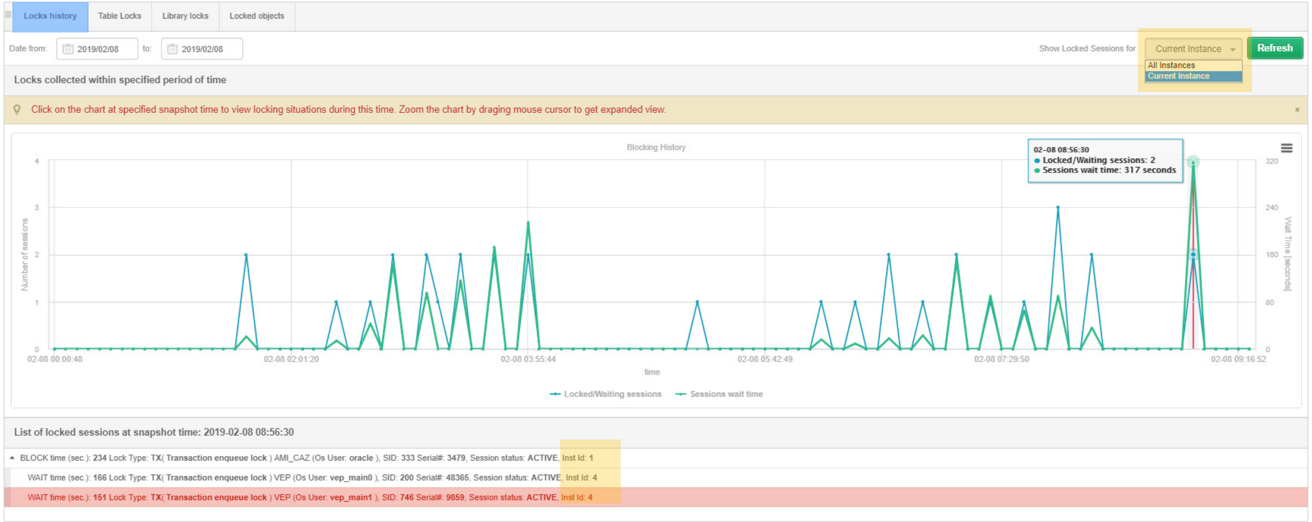
It is possible to track locks in a given **period of time** on the screen.

It is also possible to check which instance in the **RAC** causes a high level of locks at a given time.



Date from: 2019/02/08 to: 2019/02/08

Show Locked Sessions for: Current Instance

- All Instances
- Current Instance

Locks collected within specified period of time

Click on the chart at specified snapshot time to view locking situations during this time. Zoom the chart by draging mouse cursor to get expanded view.

List of locked sessions at snapshot time: 2019-02-08 08:56:30

```
▲ BLOCK time (sec.): 234 Lock Type: TX( Transaction enqueue lock ) AMI_CAZ (Os User: oracle ), SID: 333 Serial#: 3479, Session status: ACTIVE, Inst Id: 1
   WAIT time (sec.): 166 Lock Type: TX( Transaction enqueue lock ) VEP (Os User: vep_main0 ), SID: 200 Serial#: 48365, Session status: ACTIVE, Inst Id: 4
   WAIT time (sec.): 151 Lock Type: TX( Transaction enqueue lock ) VEP (Os User: vep_main1 ), SID: 746 Serial#: 9859, Session status: ACTIVE, Inst Id: 4
```

Table Locks/Locked objects

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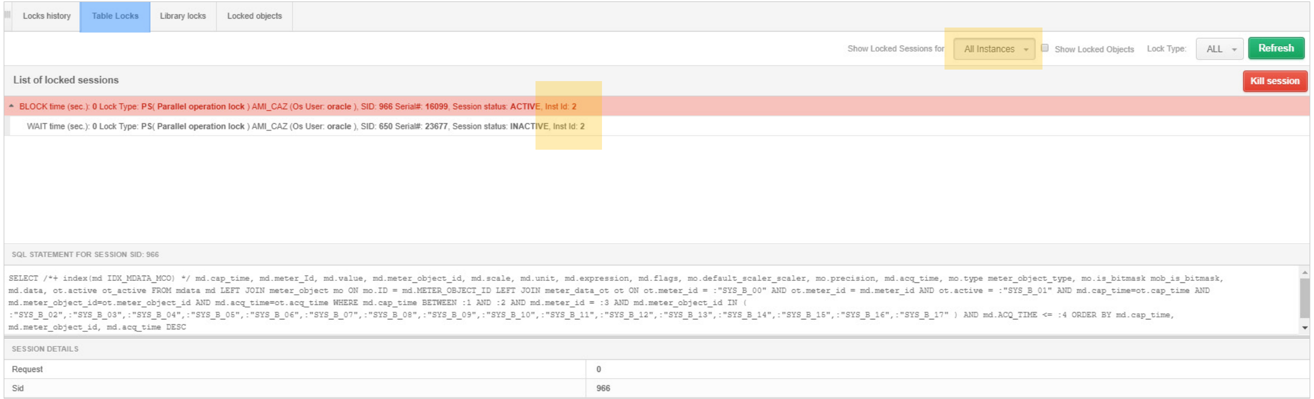
The **Table Locks** screen enables **ongoing** analysis of locks in the database. With the **All Instances** setting, it is possible to observe locks in all instances at the same time.



List of locked sessions

BLOCK time (sec.): 0 Lock Type: PS(Parallel operation lock) AMI_CAZ (Os User: oracle), SID: 966 Serial#: 16099, Session status: ACTIVE, Inst Id: 2

WAIT time (sec.): 0 Lock Type: PS(Parallel operation lock) AMI_CAZ (Os User: oracle), SID: 650 Serial#: 23677, Session status: INACTIVE, Inst Id: 2

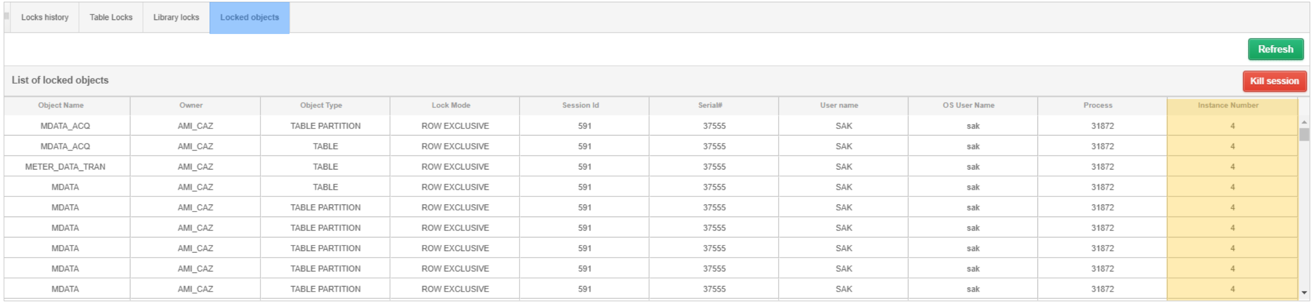
SQL STATEMENT FOR SESSION SID: 966

```
SELECT /*+ index(md IDX_MDATA_MCO) */ md.cap_time, md.meter_Id, md.value, md.meter_object_id, md.scale, md.unit, md.expression, md.flags, mo.default_scaler_scaler, mo.precision, md.acq_time, mo.type meter_object_type, mo.is_bitmask mob_is_bitmask,
md.data, ot.active ot_active FROM mdata md LEFT JOIN meter_object mo ON mo.ID = md.METER_OBJECT_ID LEFT JOIN meter_data_ot ot ON ot.meter_id = :"SYS_B_00" AND ot.meter_id = md.meter_id AND ot.active = :"SYS_B_01" AND md.cap_time=ot.cap_time AND
md.meter_object_id=ot.meter_object_id AND md.acq_time=ot.acq_time WHERE md.cap_time BETWEEN :1 AND :2 AND md.meter_id = :3 AND md.meter_object_id IN (
:"SYS_B_02",:"SYS_B_03",:"SYS_B_04",:"SYS_B_05",:"SYS_B_06",:"SYS_B_07",:"SYS_B_08",:"SYS_B_09",:"SYS_B_10",:"SYS_B_11",:"SYS_B_12",:"SYS_B_13",:"SYS_B_14",:"SYS_B_15",:"SYS_B_16",:"SYS_B_17" ) AND md.ACQ_TIME <= :4 ORDER BY md.cap_time,
md.meter_object_id, md.acq_time DESC
```

SESSION DETAILS

Request	0
Sid	966

The **Locked objects** screen shows a list of objects on which locks are currently installed.



List of locked objects

Object Name	Owner	Object Type	Lock Mode	Session Id	Serial#	User name	OS User Name	Process	Instance Number
MDATA_ACQ	AMI_CAZ	TABLE PARTITION	ROW EXCLUSIVE	591	37555	SAK	sak	31872	4
MDATA_ACQ	AMI_CAZ	TABLE	ROW EXCLUSIVE	591	37555	SAK	sak	31872	4
METER_DATA_TRAN	AMI_CAZ	TABLE	ROW EXCLUSIVE	591	37555	SAK	sak	31872	4
MDATA	AMI_CAZ	TABLE	ROW EXCLUSIVE	591	37555	SAK	sak	31872	4
MDATA	AMI_CAZ	TABLE PARTITION	ROW EXCLUSIVE	591	37555	SAK	sak	31872	4
MDATA	AMI_CAZ	TABLE PARTITION	ROW EXCLUSIVE	591	37555	SAK	sak	31872	4
MDATA	AMI_CAZ	TABLE PARTITION	ROW EXCLUSIVE	591	37555	SAK	sak	31872	4
MDATA	AMI_CAZ	TABLE PARTITION	ROW EXCLUSIVE	591	37555	SAK	sak	31872	4
MDATA	AMI_CAZ	TABLE PARTITION	ROW EXCLUSIVE	591	37555	SAK	sak	31872	4

Load Trends Analysis

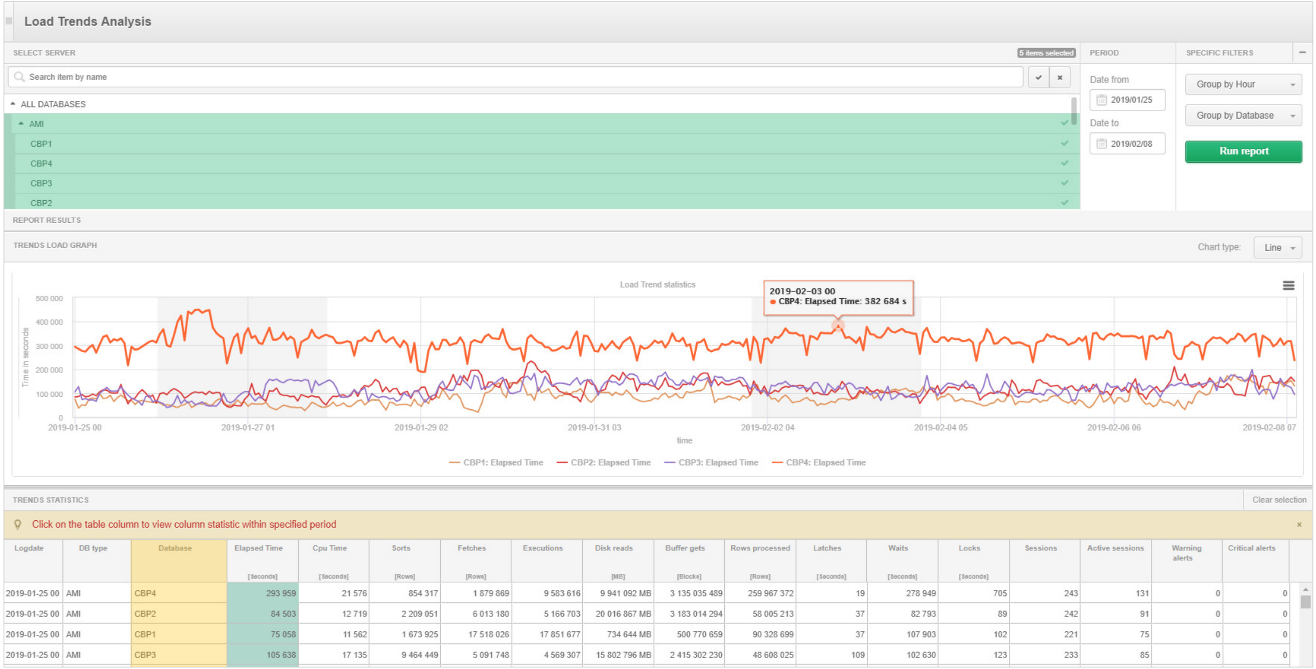
It is possible to compare the trends taking place in many databases on the screen.

In order to execute the report, select the databases or instances included in the RAC from the available list.

The data in the chart is presented for the selected statistics.

The report can be grouped by:

- *Databases*
- *Databases types*
- *Total for all databases selected for the report*



Load Trends Analysis

SELECT SERVER — 5 items selected

Search item by name

- ALL DATABASES
  - AMI ✓
    - CBP1 ✓
    - CBP4 ✓
    - CBP3 ✓
    - CBP2 ✓

PERIOD

Date from: 2019/01/25

Date to: 2019/02/08

SPECIFIC FILTERS

Group by Hour

Group by Database

Run report

REPORT RESULTS

TRENDS LOAD GRAPH

Chart type: Line

TRENDS STATISTICS — Clear selection

Click on the table column to view column statistic within specified period

Logdate	DB type	Database	Elapsed Time	Cpu Time	Sorts	Fetches	Executions	Disk reads	Buffer gets	Rows processed	Latches	Waits	Locks	Sessions	Active sessions	Warning alerts	Critical alerts
			[Seconds]	[Seconds]	[Rows]	[Rows]		[MB]	[Blocks]	[Rows]	[Seconds]	[Seconds]	[Seconds]				
2019-01-25 00	AMI	CBP4	293 959	21 576	854 317	1 879 869	9 583 616	9 941 092 MB	3 135 035 489	259 967 372	19	278 949	705	243	131	0	0
2019-01-25 00	AMI	CBP2	84 503	12 719	2 209 051	6 013 180	5 166 703	20 016 867 MB	3 183 014 294	58 005 213	37	82 793	89	242	91	0	0
2019-01-25 00	AMI	CBP1	75 058	11 562	1 673 925	17 518 026	17 851 677	734 644 MB	500 770 659	90 328 699	37	107 903	102	221	75	0	0
2019-01-25 00	AMI	CBP3	105 638	17 135	9 464 449	5 091 748	4 569 307	15 802 796 MB	2 415 302 230	48 608 025	109	102 630	123	233	85	0	0

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Thank you

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