

DOAG



NEURONES



PERFORMANCE TUNING WITH SQLDEVELOPER

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DOAG 2016

Frank Dernoncourt

- 16 years in IT, 4 year-experience as an Oracle DBA
- a.k.a “Dear DBA”
- www.neurones.fr
-
- Blog about the Oracle database:
- community.oracle.com/blogs/dearDBA
- Startpage for DBAs: Protopage.com/deardba
- I tweet about the Oracle database only:
- [@fdernoncourt](https://twitter.com/fdernoncourt)



Agenda



Your own OEM in SQLDEV?

Live performance problem

SQL Tuning

More SQLDEV goodies

Let's go straight into SQLDeveloper 4.1 ...

The Future

```

SELECT /*+ MONITOR */ COUNT(*) FROM ALL_VIEWS WHERE OWNER='ORDS
    
```

#	Status	Duration	Type	Sql Id	Plan Hash	User	Parallel	Database Time	I/O Requests	I/O Bytes	Buffer Gets	Start Time	End Time	SQL Text
1	✓	21.3 s	SQL	f6cz4n8y72xdc	86878974			4.1 s	1.9K	21.3MB	884.8K	02-Nov-2016 14:47:30	02-Nov-2016 14:47:51	SELECT space_usage_kbytes FROM v\$sysaux_occupants WHERE occupant_name...
2	✓	72.3 ms	SQL	d8rw0sk0htku8	180101317	HR		40 ms	0	0B	414	03-Nov-2016 10:31:48	03-Nov-2016 10:32:43	select /*+ MONITOR */ * from demo.tweets where upper(text) like '%SQLDEV%' fetch ...
3	✓	45.2 ms	SQL	d8rw0sk0htku8	180101317	HR		36 ms	0	0B	388	03-Nov-2016 10:31:33	03-Nov-2016 10:31:34	select /*+ MONITOR */ * from demo.tweets where upper(text) like '%SQLDEV%' fetch ...
4	✓	38.8 ms	SQL	5xbt0z7k01jub	544941751	ORDS_...	2	17.9 ms	8	49.2KB	32	02-Nov-2016 14:47:51	02-Nov-2016 14:47:51	SELECT COUNT(*) FROM ALL_VIEWS WHERE OWNER=ORDS_METADATA' AND ...
5	✓	27.8 ms	SQL	1jjadnn1jmh5	544941751	HR	2	17.8 ms	1	8.2KB	99	03-Nov-2016 10:33:58	03-Nov-2016 10:33:58	SELECT /*+ MONITOR */ COUNT(*) FROM ALL_VIEWS WHERE OWNER=ORDS_M...
6	✓	26 ms	SQL	bmam6g47zp3z8	180101317	HR		23 ms	0	0B	1.4K	03-Nov-2016 10:31:17	03-Nov-2016 10:31:17	select /*+ MONITOR */ * from demo.tweets where upper(text) like '%SQLDEV' fetch first ...
7	✓	3.8 ms	SQL	cn2dpaxaqcfcj	1549224192	ORDS_...	2	3 ms	0	0B	4	02-Nov-2016 14:47:51	02-Nov-2016 14:47:51	select origin_con_id from all_views where owner='ORDS_METADATA' and view_name...

Operation	Line	Object Name	Access Predicates	Filter Predicates	Projection	Pruning	Query Block Name	Object Alias	Estimated Cost	Estimated Rows	Estimated Bytes
SELECT STATEMENT	0										
SORT (AGGREGATE)	1				(#keys=0) COUNT(*)[22]		SEL\$F5BB74E1		1	2	145
FILTER	2			("OWNER"=SYS_CON...							
PX COORDINATOR	3				"OWNER"[VARCHAR2...						
PX SEND (QC (RANDOM))	4	:TQ10000			(#keys=0) "OWNER"[V...				1	2	290
PX PARTITION LIST (ALL)	5				"OWNER"[VARCHAR2...	1.2			1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
PX PARTITION LIST (ALL)	5				"OWNER"[VARCHAR2...	1.2			1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
PX PARTITION LIST (ALL)	5				"OWNER"[VARCHAR2...	1.2			1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
PX SEND (QC (RANDOM))	4	:TQ10000			(#keys=0) "OWNER"[V...				1	2	290
PX PARTITION LIST (ALL)	5				"OWNER"[VARCHAR2...	1.2			1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290
FIXED TABLE (FULL)	6	X\$COMMVWS	("OWNER"=ORDS_M...		"OWNER"[VARCHAR2...		SEL\$F5BB74E1	INTSDBA_VIEWS@SE...	1	2	290

That's all folks...

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<https://community.oracle.com/blogs/dearDBA>

Protopage.com/deardba

And follow me on Twitter: twitter.com/fdernoncourt
you won't regret it!

