

DOAG



NEURONES



PERFORMANCE TUNING WITH SQLDEVELOPER

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-
- Blog about the Oracle database:
- community.oracle.com/blogs/dearDBA
- Startpage for DBAs: Protopage.com/deardba
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- [@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\$COMVWS | (OWNER'=ORDS_M... | | "OWNER"VARCHAR2... | | SEL\$F5BB74E1 | INTSDBA_VIEWS@SE... | 1 | 2 | 290 |
| FIXED TABLE (FULL) | 6 | X\$COMVWS | (OWNER'=ORDS_M... | | "OWNER"VARCHAR2... | | SEL\$F5BB74E1 | INTSDBA_VIEWS@SE... | 1 | 2 | 290 |
| FIXED TABLE (FULL) | 6 | X\$COMVWS | (OWNER'=ORDS_M... | | "OWNER"VARCHAR2... | | SEL\$F5BB74E1 | INTSDBA_VIEWS@SE... | 1 | 2 | 290 |
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| 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\$COMVWS | (OWNER'=ORDS_M... | | "OWNER"VARCHAR2... | | SEL\$F5BB74E1 | INTSDBA_VIEWS@SE... | 1 | 2 | 290 |
| FIXED TABLE (FULL) | 6 | X\$COMVWS | (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>

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

