



## OBIEE11g Working with Cache Management

### Informatica Lab #34

#### **Description:**

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to end Hands-on Guide for OBIEE new bees. The document show how to enable/disable cache. **Join our professional training program and learn from experts.**

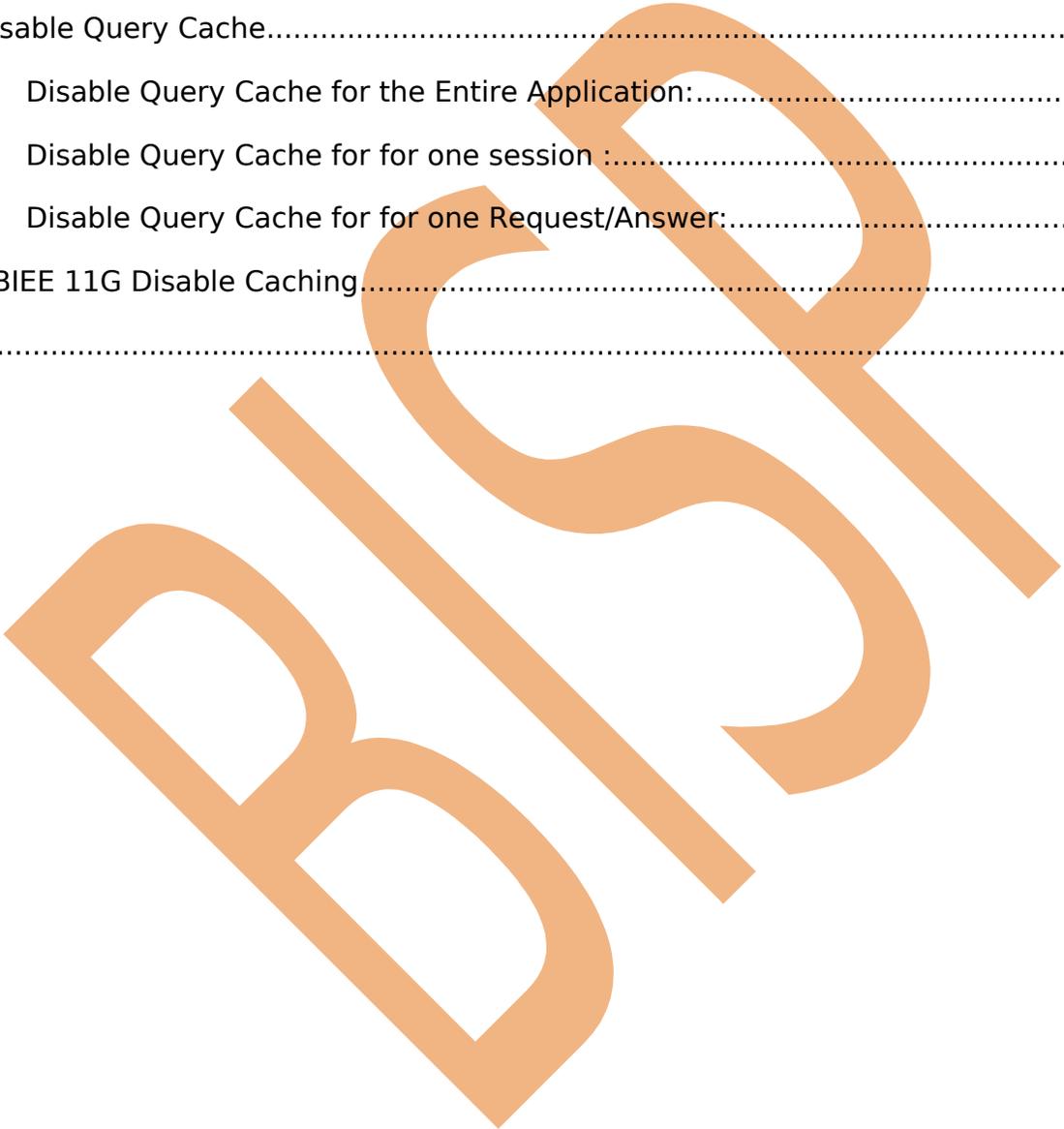
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# Implementing Cache Management in OBIEE10g

## Disable Query Cache

We can disable the Query Cache for an entire application, or a particular Session or a particular answer/request.

### Disable Query Cache for the Entire Application:

To disable the query cache for the entire application, you must set to the **ENABLE**cache parameter the value **NO** in the file NQSConfig.INI.



```
NQSConfig - Notepad
File Edit Format View Help
#
# Query Result Cache Section
#
-----
[ CACHE ]
ENABLE = NO;
// A comma separated list of <-directory maxSize> pair(s)
// e.g. DATA_STORAGE_PATHS = "d:\OracleBIData\QSCache" 500 MB;
DATA_STORAGE_PATHS = "C:\OracleBIData\cache" 500 MB;
MAX_ROWS_PER_CACHE_ENTRY = 100000; // 0 is unlimited size
MAX_CACHE_ENTRY_SIZE = 1 MB;
MAX_CACHE_ENTRIES = 1000;
POPULATE_AGGREGATE_ROLLUP_HITS = NO;
USE_ADVANCED_HIT_DETECTION = NO;
MAX_SUBEXPR_SEARCH_DEPTH = 7;
```

### Disable Query Cache for for one session :

To disable query cache for one session, you have to set the below mentioned session system variables with the value 1:

- DISABLE\_CACHE\_HIT
- DISABLE\_CACHE\_SEED

### Disable Query Cache for for one Request/Answer:

To disable query cache for one Request/Answers, you have to set the below mentioned request variables with the value 1:

- DISABLE\_CACHE\_HIT
- DISABLE\_CACHE\_SEED

Eg: If you want to disable query cache for a particular request, then do the following things.

1. First add the required number of columns in criteria tab of Answers.
2. Then click on Advanced tab.
3. Find the Prefix Box and write the following statements.

SET VARIABLE DISABLE\_CACHE\_SEED=1,DISABLE\_CACHE\_HIT=1;



```
Prefix:
SET VARIABLE DISABLE_CACHE_SEED=1,DISABLE_CACHE_HIT=1;
```

When the value of the request variable DISABLE\_CACHE\_SEED is 1 for any request, then the OBI Server does not store the result of that request in Query Cache.

When the value of the request variable `DISABLE_CACHE_HIT` is 1 for any request, then the OBI Server does not look into Query Cache. So, even the Query Cache contains result of the similar request, BI Server will not look into it, and it will get the result from back end Database.

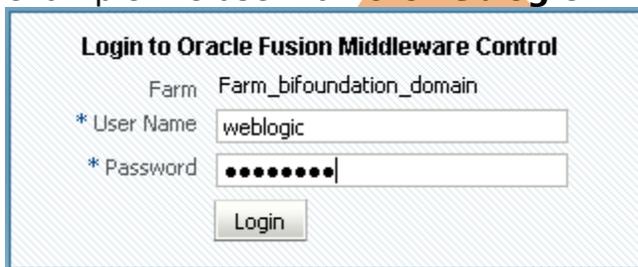
## OBIEE 11G Disable Caching

1. Open a browser and enter the following URL to navigate to Enterprise Manager Fusion Middleware Control:

**http://:7001/em**

In this tutorial the URL is `http://localhost:7001/em`

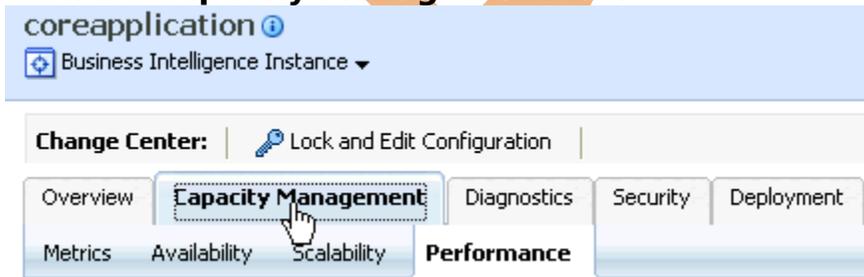
2. Log in as an administrative user. Typically you use the administrative user name and password provided during the Oracle BI installation. In this example the user name is **weblogic**.



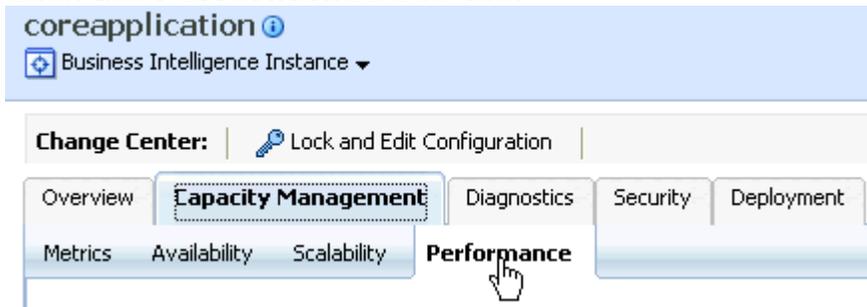
3. In the left navigation pane, expand **Business Intelligence** and click **coreapplication**.



4. Click the **Capacity Management** tab.



5 .Click the **Performance** sub tab.



6 .Locate the **Enable BI Server Cache** section. Cache is enabled by default.  
Performance Options

Use this page to tune the performance of this BI Instance.

#### Enable BI Server Cache

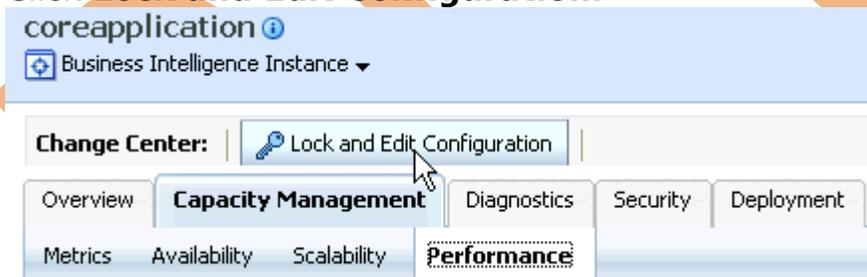
Enabling the server cache can greatly improve performance by enabling users who share data visibility to retrieve row sets from queries that have already been run at the cost of the possibility of seeing stale data.

Cache enabled

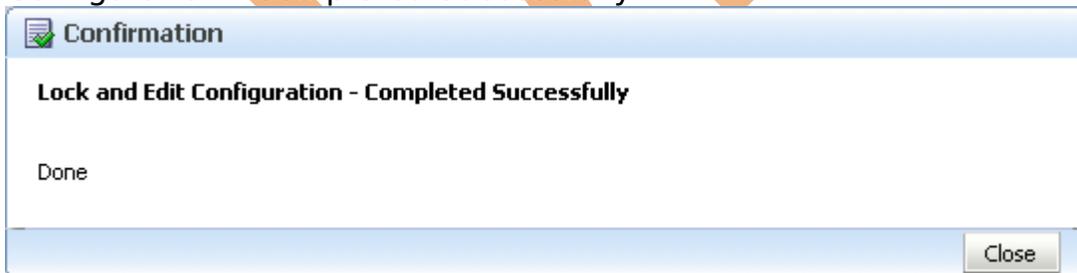
Maximum cache entry size

Maximum cache entries

7 .Click **Lock and Edit Configuration**.



8 .Click **Close** when you receive the confirmation message "Lock and Edit Configuration - Completed Successfully."



9 .Deselect **Cache enabled**. Caching is typically not used during development. Disabling cache improves query performance.

## Performance Options

Use this page to tune the performance of this BI Instance.

### Enable BI Server Cache

Enabling the server cache can greatly improve performance by enabling users who share data visibility to retrieve row sets from queries that have already been run at the cost of the possibility of seeing stale data.

Cache enabled

Maximum cache entry size

Maximum cache entries

## 10 Click **Apply**.

- coreapplication Logged in as weblogic  
Business Intelligence Instance Page Refreshed Nov 2, 2010 12:45:01 AM GMT
- Change Center:   ?
- Overview **Capacity Management** Diagnostics Security Deployment
- Metrics Availability Scalability **Performance**
- Performance Options Apply  
Use this page to tune the performance of this BI Instance.
- Enable BI Server Cache  
Enabling the server cache can greatly improve performance by enabling users who share data visibility to retrieve row sets from queries that have already been run at the cost of the possibility of seeing stale data.
- Cache enabled  
Maximum cache entry size      
Maximum cache entries

## 11 Click **Activate Changes**.

coreapplication ⓘ Logged in as weblogic  
Business Intelligence Instance ▼ Page Refreshed Nov 2, 2010 12:45:01 AM GMT ↻

Change Center: 📄 Activate Changes 📄 Release Configuration ?

Overview **Capacity Management** Diagnostics Security Deployment  
Metrics Availability Scalability **Performance**

Performance Options Apply

Use this page to tune the performance of this BI Instance.

**Enable BI Server Cache**

Enabling the server cache can greatly improve performance by enabling users who share data visibility to retrieve row sets from queries that have already been run at the cost of the possibility of seeing stale data.

Cache enabled

Maximum cache entry size  ▲ ▼ MB ▼

Maximum cache entries  ▲ ▼

**12** Click **Close** when you receive the confirmation message **Activate Changes**  
- **Completed Successfully.**

Confirmation

**Activate Changes - Completed Successfully**

Done

Close

**13** Do not click **Restart to apply recent changes** yet. You do that after  
uploading the repository in the next set of steps.

Change Center: 🔑 Lock and Edit Configuration ⚠️ Restart to apply recent changes

Overview **Capacity Management** Diagnostics Security Deployment  
Metrics Availability Scalability **Performance**