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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.

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te Edit. Parnak View Help	
#	
# Query Result Cache Section	
#	
***************************************	000
(CACHE]	
ENABLE - NO:	
// A comma separated list of <directory maxsize=""> pair(s)</directory>	
# e.g. DATA STORAGE PATHS = "d'OracleBIDatenOSCache" 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;

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.

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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

 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**.

Farm	Farm_bifoundation_domain
* User Name	weblogic
* Password	••••••
	Logio

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

	anager Fusion Middleware Control 11g
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5 . Click the Performance sub tab.
coreapplication () Business Intelligence Instance -
Change Center: 2 PLock and Edit Configuration
Overview Eapacity Management Diagnostics Security Deployment
Metrics Availability Scalability Performance
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 20 MB
Maximum cache entries
7 . Click Lock and Edit Configuration. coreapplication ③
Change Center: 2 Configuration
Overview Capacity Management Diagnostics Security Deployment
Metrics Availability Scalability Performance
8. Click Close when you receive the confirmation message "Lock and Edit Configuration - Completed Successfully."
Lock and Edit Configuration - Completed Successfully
Done
Close
9 Deselect Cache enabled. Caching is typically not used during development. Disabling cache improves query performance.
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