MATERIALIZED VIEW/VIEW

#View :

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View is a virtual table. View doesn’t contain any data.

• to create view user should have ( create view ) privilege.

• Create view v1 as select \* from t1;

• if source table is deleted or modified view cannot show the table .

To drop view :

• drop view v1;

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# materialized view :

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• materialized view is a table. It contain data.

• It is created between 2 servers.

• Even the source table is deleted we can see data in it.

Materialized view is of 2 types:

1. complete refresh

2. Fast refresh

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# User must have :

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• Create materialized view privilege

• Create db link privilege

• create table privilege

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1. Complete refresh:

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To create materialized view :

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• listener in source

• Tnsnames in target

• Db link in target

• Materialized view in target

• Job queue process in. Source /target

#Jobqueue process:do in source/targe location

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• Conn as system user

• Show parameter job

Change value in spfile

• alter system set job\_queue\_processes= 100 scope=both;

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# Create materialized view:

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• Create materialized view ( mvname) refresh complete with rowid Start with sysdate next sysdate +2/1440 as select \* from t1@LINK\_1;

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# To change refresh time interval:

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• alter materialized view ( mvname) refresh complete with sysdate next sysdate +5/1440;

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# To immediate refresh of mv:

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• exec dbms\_ snapshot.refresh(‘MV1’);

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# To view data in mv1:

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• select \* from MV1;

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2. Fast refresh:

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Source side :

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1. listens .

2. Job queue process .

3. Source table must have primary key column.

4. Source table must have materialized view logs.

Materialized view log:

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• create materialized view log on t1;

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# create fast materialized view:

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• create materialized view mv1 refresh fast with primary key start with sysdate next sysdate +10/1440 as select \* from t1@LINK\_1;

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# To view data in mv1:

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• select \* from MV1;

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# To immediate refresh of mv:

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• exec dbms\_ snapshot.refresh(‘MV1’);

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# To change refresh time interval:

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• alter materialized view ( mvname) refresh complete with sysdate next sysdate +5/1440;