# Postgres for Oracle DBAs

Comparison study (With Demos)



## Logical Backups - Full backup of a database

### ORACLE'

Export: Release 19.0.0.0.0 - Production on Fri Feb 17 01:44:34 2023 Version 19.3.0.0.0



pg\_dump -d employee -U postgres -p 5432 -f emp\_backup.sql



### ORACLE

[oracle@localhost Desktop]\$ expdp directory=testdmp\_dir tables=HR,EMPLOYEES,HR.JOBS dumpfile=tablebkpl.dmp logf ile=tablebkpl.log

Export: Release 19.0.0.0.0 - Production on Fri Feb 17 01:51:11 2023 Version 19.3.0.0.0

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pg\_dump -U postgres -t <<tablename>> <<dbname>> -f <<outputfile.sql>>
pg\_dump -U postgres -t emptest employee -f empsingletabletest.sql



### ORACLE'

[oracle@localhost Desktop]\$ expdp directory=testdmp\_dir schemas=HR dumpfile=schmbkp1.dmp logfile=schmbkpl.log

Export: Release 19.0.0.0.0 - Production on Sat Feb 18 23:18:32 2023 Version 19.3.0.0.0



You can use -n option pg dump -U postgres employee -n <<schemaname>> -f empsingletableexclude.sgl



#### ORACLE'

[oracle@localhost export]\$ expdp directory=testdmp\_dir tables=HR.EMPLOYEES,HR.JOBS dumpfile=tablemetadata.dmp ogfile=tablekbpl.log CONTENT=metadata\_only

Export: Release 19.0.0.0.0 - Production on Sun Feb 19 02:44:06 2023 Version 19.3.0.0.0

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You can use --schema-only option pg dump -U postgres -t emptest employee --schema-only -f empsingletabletest.sql



#### ORACLE'

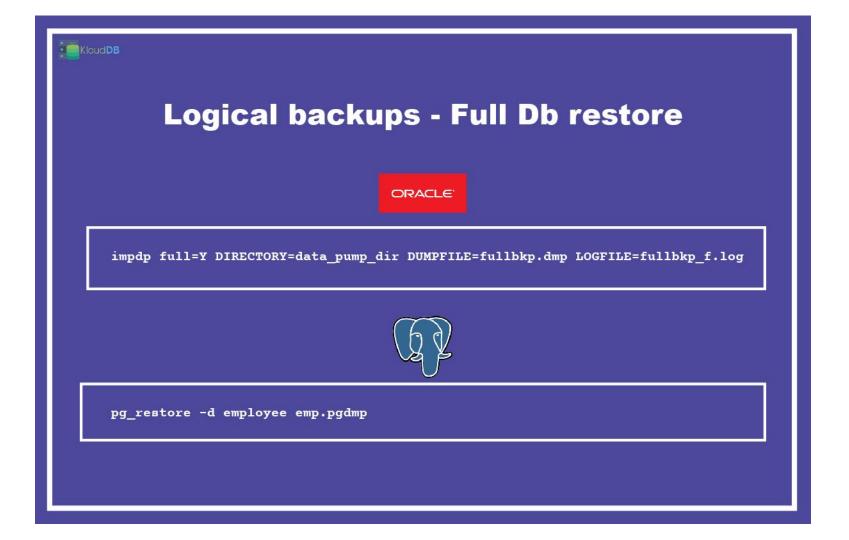
[oracle@localhost export)]\$ expdp directory=testdmp\_dir tables=HR.EMPLOYEES,HR.JOBS dumpfile=tablebkp1\_%U.dmp logfile=tablebkp1.log parallel=4

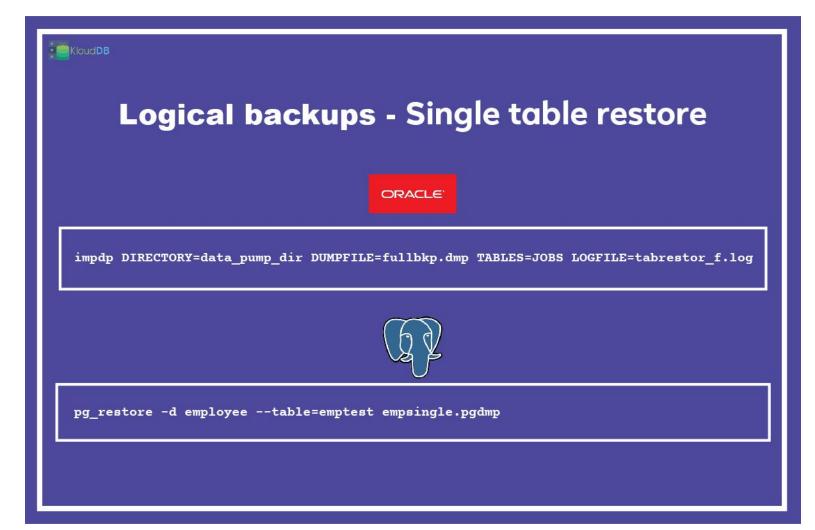
Export: Release 19.0.0.0.0 - Production on Sat Feb 18 23:51:42 2023 Version 19.3.0.0.0



pg\_dump -j 8 -Fd -f /tmp/bkpemp -d employee

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## Logical backups - Restore data only

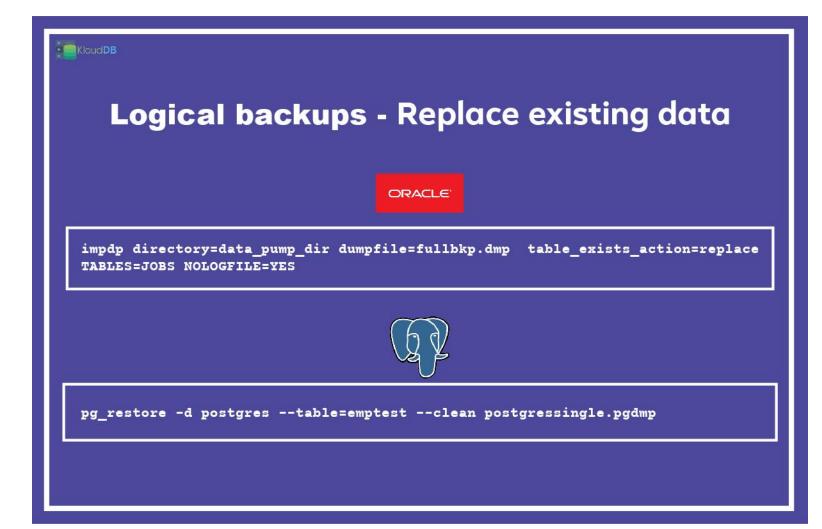
ORACLE'

impdp hr CONTENT=DATA\_ONLY DIRECTORY=data\_pump\_dir DUMPFILE=fullbkp.dmp TABLES=JOBS NOLOGFILE=YES



pg\_restore -d employee --table=emptest --data-only empsingle.pgdmp

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## Logical backups - Parallel Restore

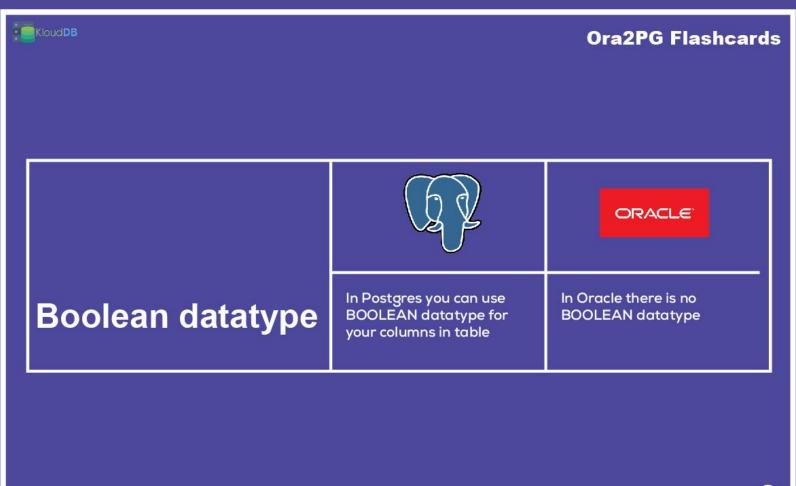
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ORACLE'

impdp schemas=HR directory=TEST\_DIR parallel=4 dumpfile=tablebkp1\_%U.dmp logfile= impdpparatest.log



pg\_restore -U <username> -d postgres -Fd -j <NUM> -C <dump directory>





# Enable archive mode



ALTER SYSTEM SET archive\_mode to 'ON';

ALTER SYSTEM SET archive\_command TO 'cp %p /bkp/postgres/backup/archivefiles/archive%f';

 Restart to enable pg\_ctl restart alter system set log\_archive\_dest\_1='location=/u01/sampdb/arch';

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Restart to enable
 Shut immediate;
 Startup mount;
 alter database
 archivelog;
 alter database open;





# Login as DBA

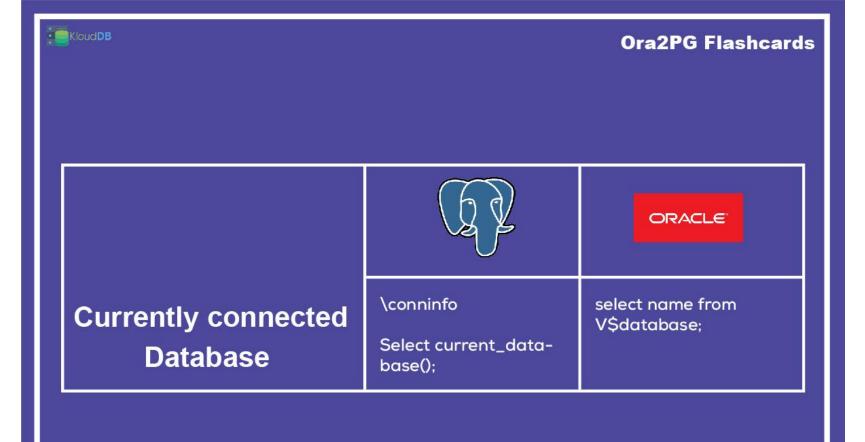


Sqlplus / as sysdba



Psql -U adminusr -d database







# **Currently connected user**

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Show user ;



## \conninfo

Select current\_user ;





## **Oracle Flashback recovery area**

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To recover deleted data

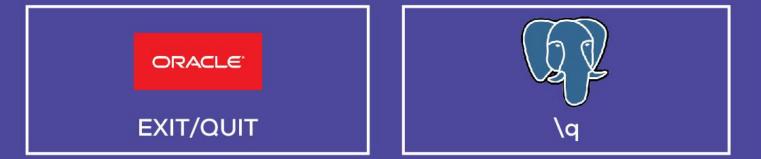
Q

There is no equivalent feature

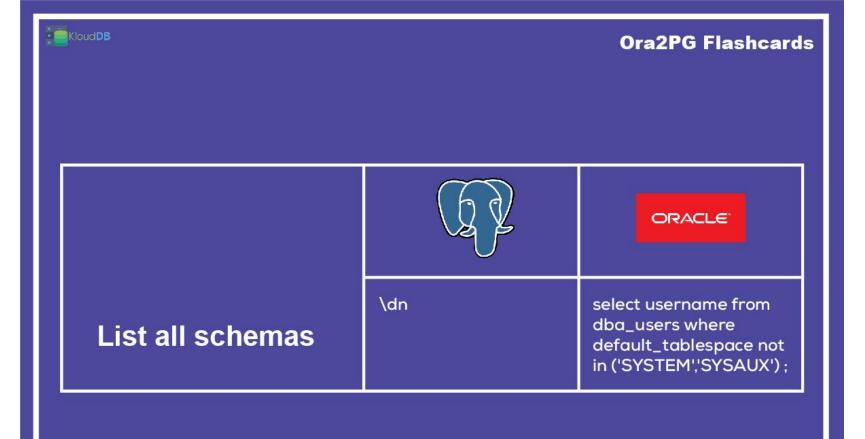
1



# **Exit from sqlplus**









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## delete statement - from clause is required in postgres

