NETWORK’S

# LISTENER :in database

#TNS:application team

• we can create listener & tns manually.

• using netca we can add or delete listener or tns.

LISTENER:

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• listener should be up & run 24/7 .then application team can connect to the database in any point of time.

• listener is mainly responsible for taking new connections.

• When the user is connected to database and listener is stopped there will be no impact for user connection.

• But if new user want to connect database he cannot connect.

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# LISTENER / TNS default:(location)

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• cd $ORACLE\_HOME/network/admin

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# To create listener other than default location:

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• add this in ENV file

export TNS\_ADMIN=/location /where /we/want

Execute file = . Hyd.env

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# To start listener:mouli

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• lsnrctl start mouli

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# To stop listener : mouli

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• lsnrctl stop mouli

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# TO CHECK listener status: mouli

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• lsnrctl status

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# Listener’s are two types:

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1. static listener :

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• irrespective of this database status it up and run 24/7.

• In static listener it contain database name.

2. Dynamic listener :

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• it work only when database is in open state .

• If the listener is having default configuration

Like default name (LISTENER) & port (1521).

• then it is dynamic listener.

• It will not contain database name.

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1. STATIC LISTENER:

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Listener name = ( DESCRIPTION = (ADDRESS = (HOST =ip address) (PORT = 1521) (PROTOCOL = TCP)))

SID\_LIST\_listener name = ( SID\_LIST =

( SID\_DESC =

(ORACLE\_HOME = oracle home location )

(SID\_NAME = database name )))

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# STATIC LISTENER :LIS

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LIS = (DESCRIPTION = ( ADDRESS = (HOST = 192.168.1.88) (PORT = 1521 )(PROTOCOL = TCP)))

SID\_LIST\_LIS = (SID\_LIST =

(SID\_DESC =

(ORACLE\_HOME = /u01/app/oracle/product/12.1.0.2)

(SID\_NAME =hyd)))

#TNSnames:static

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tns\_hyd= (DESCRIPTION = ( ADDRESS = (HOST = 192.168.1.56) (PORT = 1521 )(PROTOCOL = TCP))(connect\_data=(sid=hyd)))

[Ip address & port in tns should be same as listener ]

# To check tnsnames :

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• tnsping tns\_hyd

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2. Dynamic listener:

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Listener name = ( DESCRIPTION = (ADDRESS = (HOST =ip address) (PORT = 1522) (PROTOCOL = TCP)))

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# Dynamic listener:

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LIS = (DESCRIPTION = ( ADDRESS = (HOST = 192.168.1.56) (PORT = 1522 )(PROTOCOL = TCP)))

• register local\_parameter

• show parameter local

• alter system set local\_listener=‘192.168.1.10:1524/Pune’;

• Alter system register;

# Dynamic tns:

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tns\_hyd= (DESCRIPTION = ( ADDRESS = (HOST = 192.168.1.56) (PORT = 1521 )(PROTOCOL = TCP))(connect\_data=(service\_name=hyd)))

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#Application connect to database :

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• Sqlplus u1/u1@tns\_hyd