

ORACLE®

DATA GUARD



FAIL

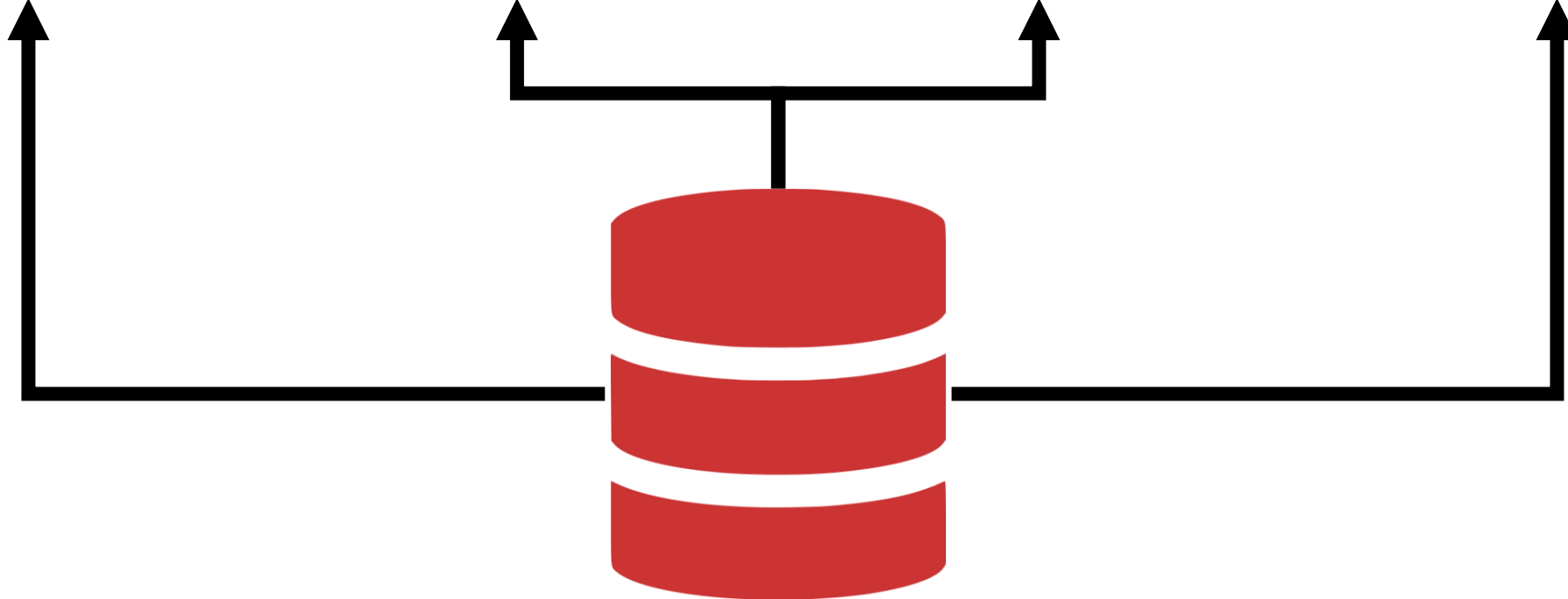
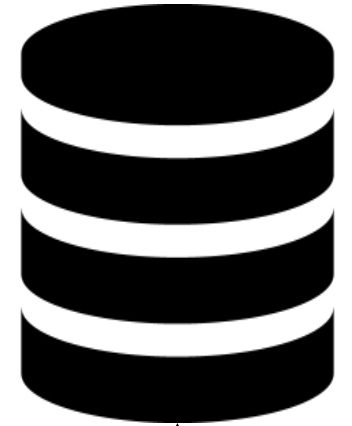


PHYSICAL

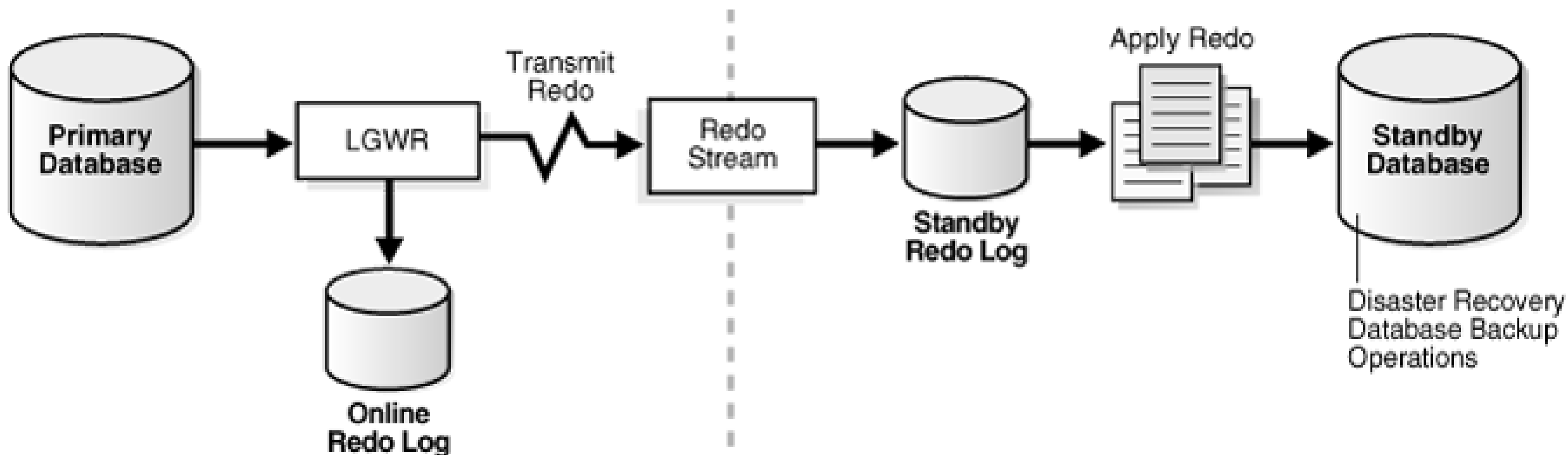
LOGICAL

PHYSICAL

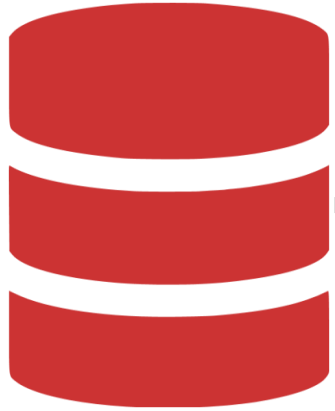
SNAPSHOT



PRIMARY



PRIMARY



COPY BY RMAN



PHYSICAL



TRANSFORM TO



LOGICAL



SWITCHOVER / FAILOVER



Configure ODG: PRIMARY [PFILE]

```
LOG_ARCHIVE_DEST_1 = 'LOCATION=C:\oracle\primary\logs  
                        VALID_FOR=(ALL_LOGFILES,ALL_ROLES)  
                        DB_UNIQUE_NAME=primaryDB'
```

Configure ODG: PRIMARY [PFILE]

```
LOG_ARCHIVE_DEST_1 = 'LOCATION=C:\oracle\primary\logs  
VALID_FOR=(ALL_LOGFILES,ALL_ROLES)  
DB_UNIQUE_NAME=primaryDB'
```

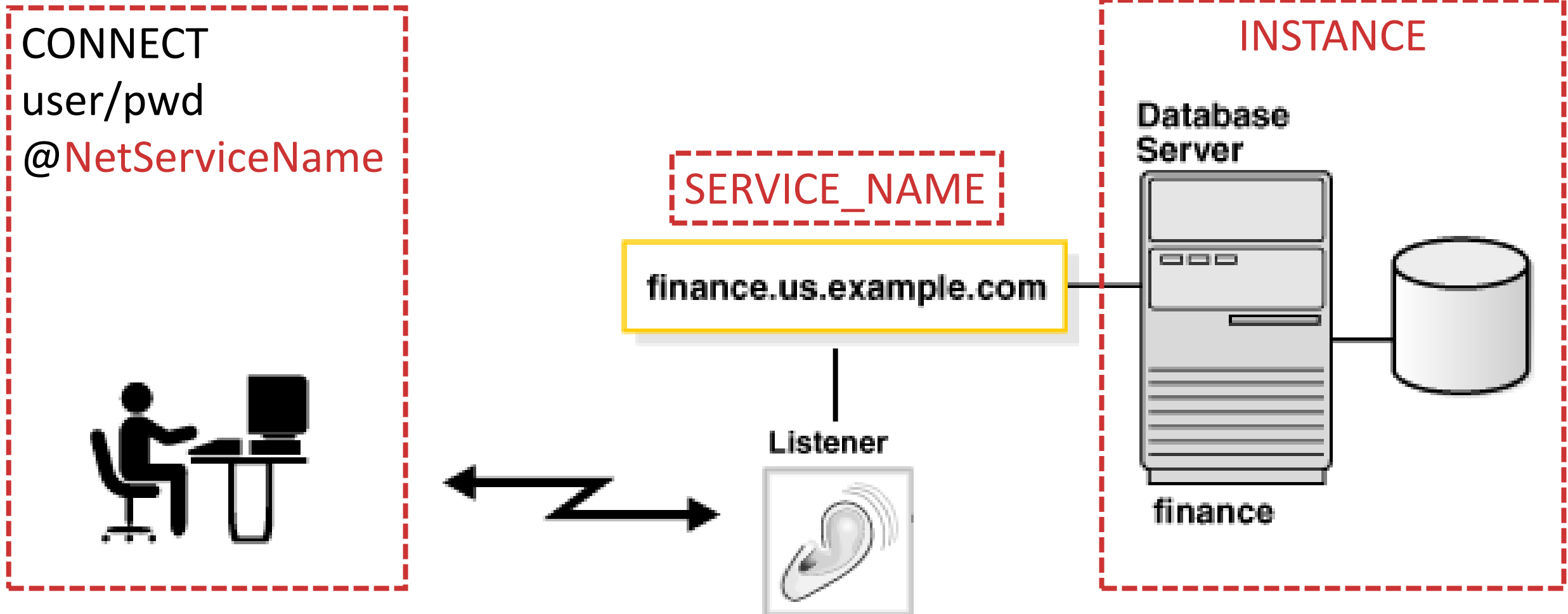
```
LOG_ARCHIVE_DEST_2 = 'SERVICE=StandbyNetServiceName1 ASYNC  
VALID_FOR=(ONLINE_LOGFILES,PRIMARY_ROLE)  
DB_UNIQUE_NAME=StandbyDB1'
```

```
LOG_ARCHIVE_DEST_3 = 'SERVICE=StandbyNetServiceName2 ASYNC  
VALID_FOR=(ONLINE_LOGFILES,PRIMARY_ROLE)  
DB_UNIQUE_NAME=StandbyDB2'
```


Configure ODG: STANDBY [PFILE]

FAL_SERVER = PrimaryNetServiceName

Oracle Database Naming Principles



Oracle Database Naming Principles

Net Service Name

=

Listener IP + Protocol + SERVICE_NAME

Registered in tnsnames.ora

What we need to restore ODG?

- **Primary or Physical Standby database in backup**
(+ Logical database)
- Database **Role** -> **Host IP or DNS name**
- **PFILEs** (for all databases)
- Network files: **tnsnames.ora, listener.ora** (for all hosts)

Q&A