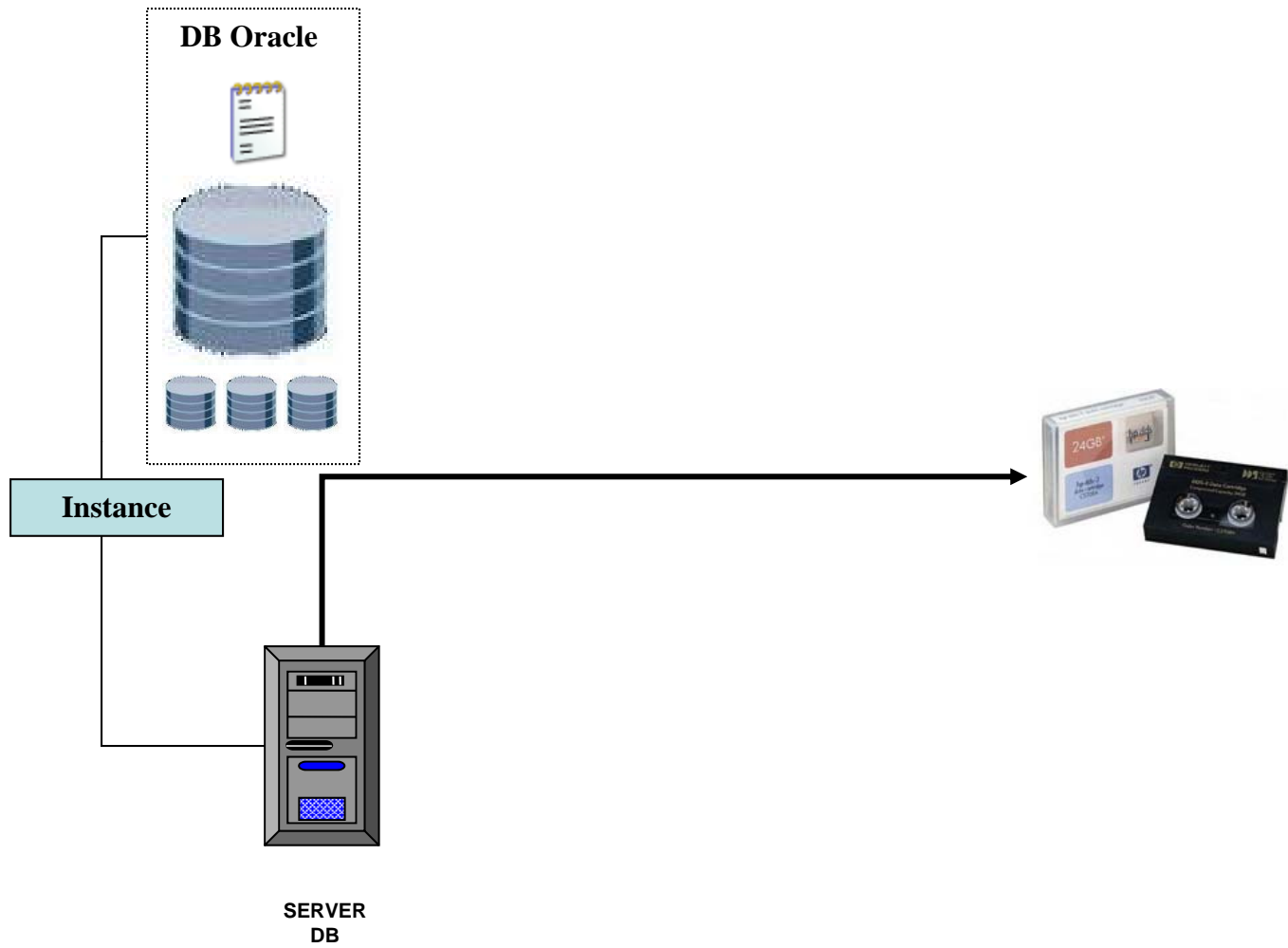


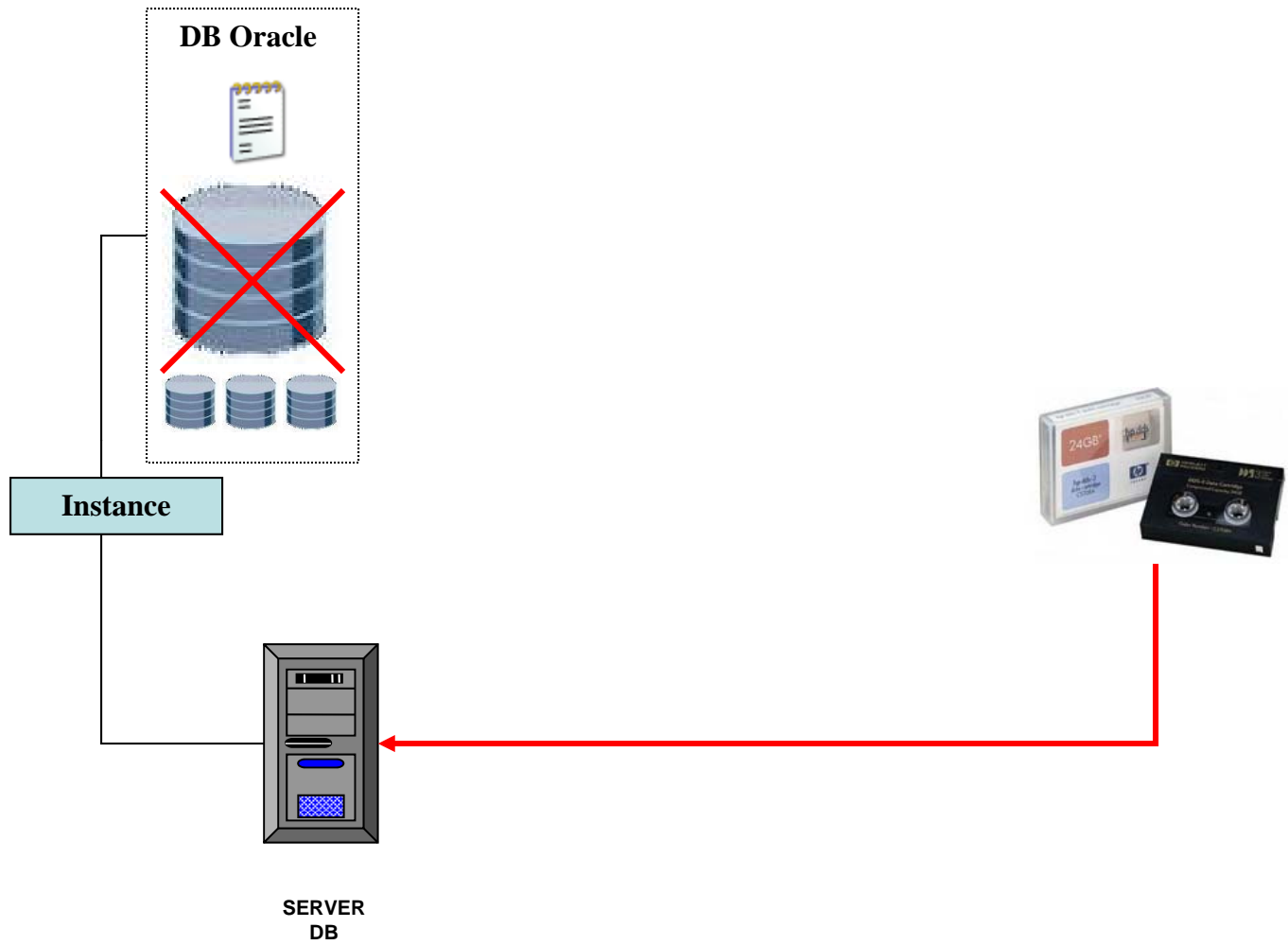
High Availability

Bases de Datos de Contingencia

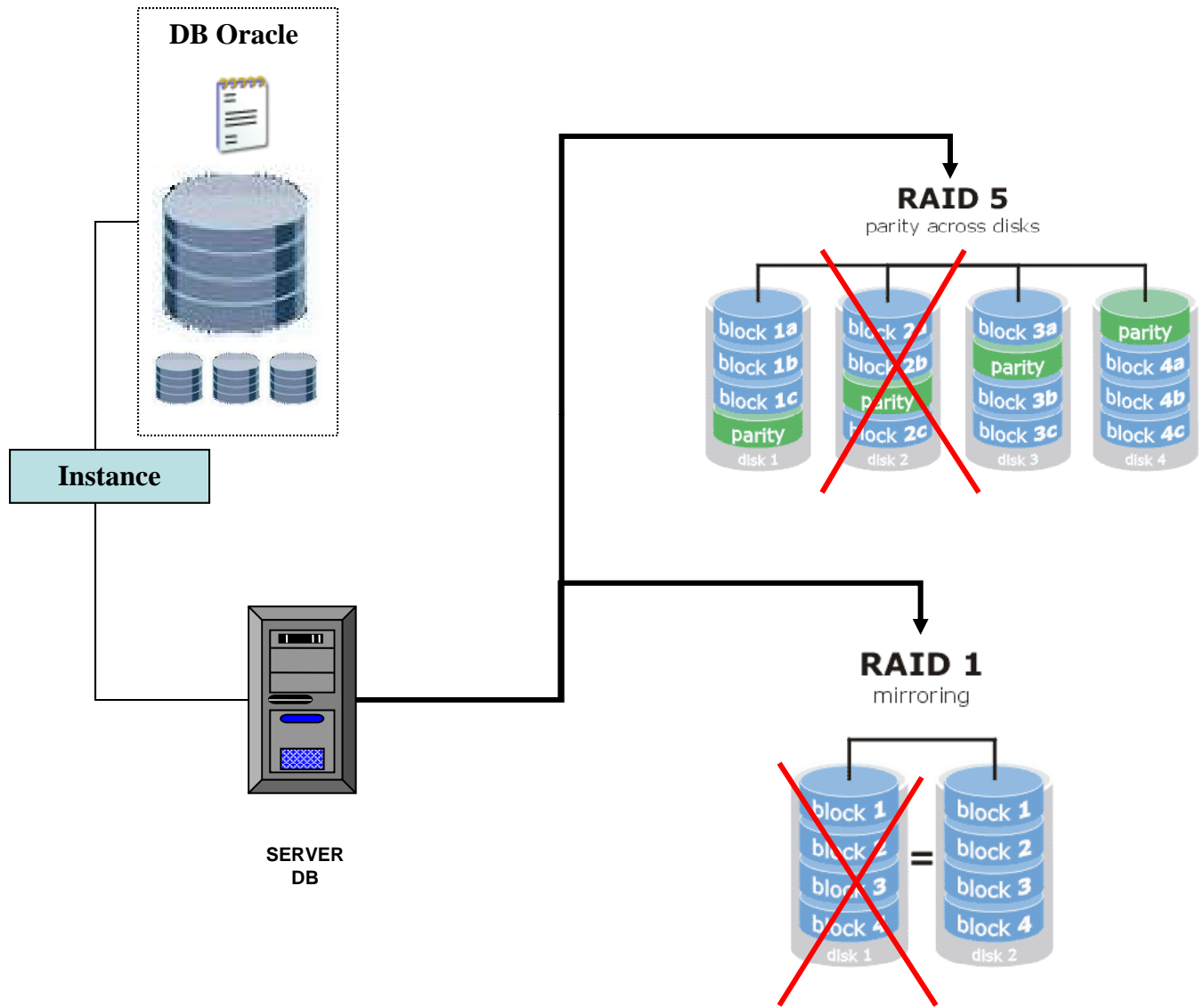
High Availability



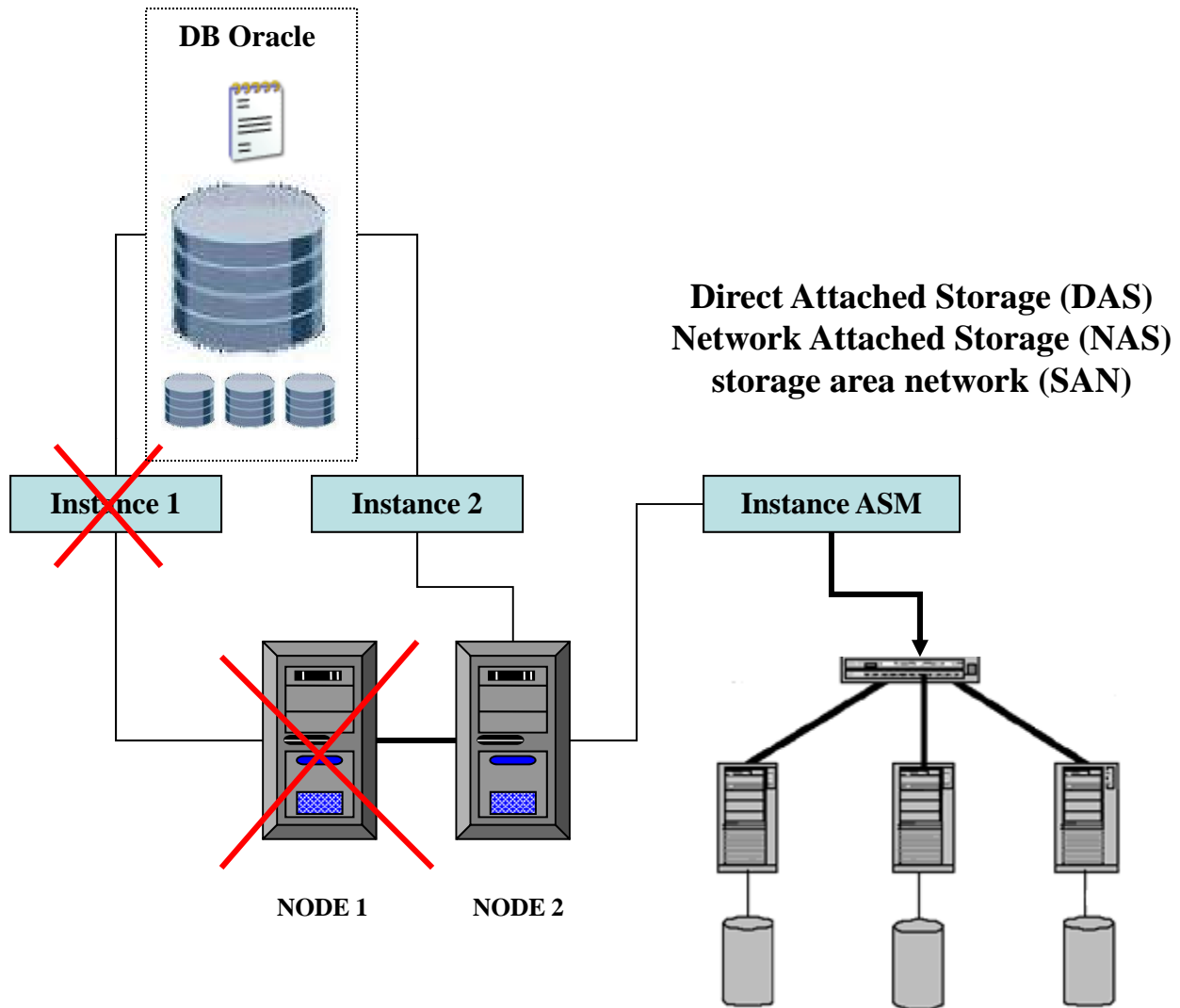
High Availability



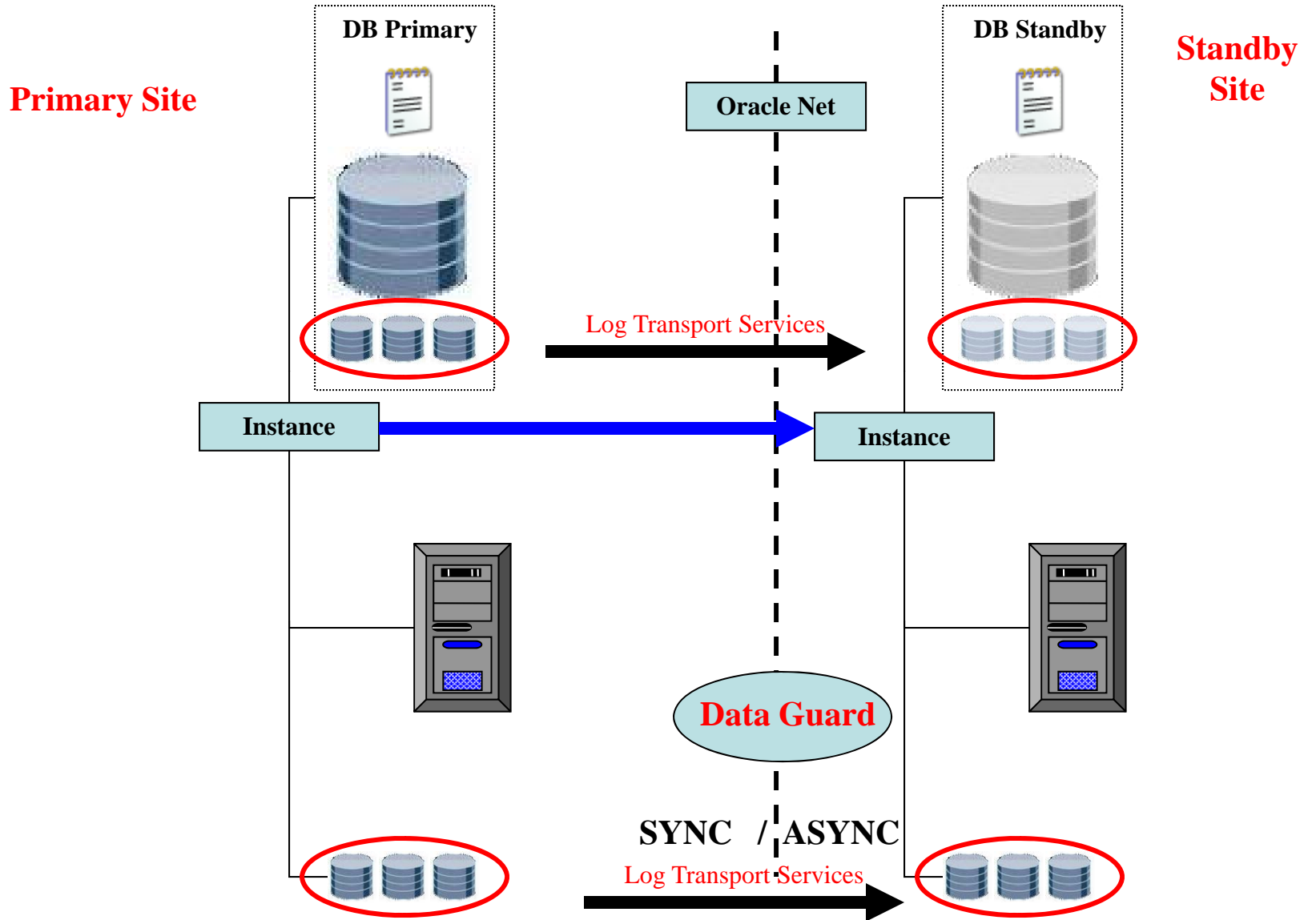
High Availability



High Availability

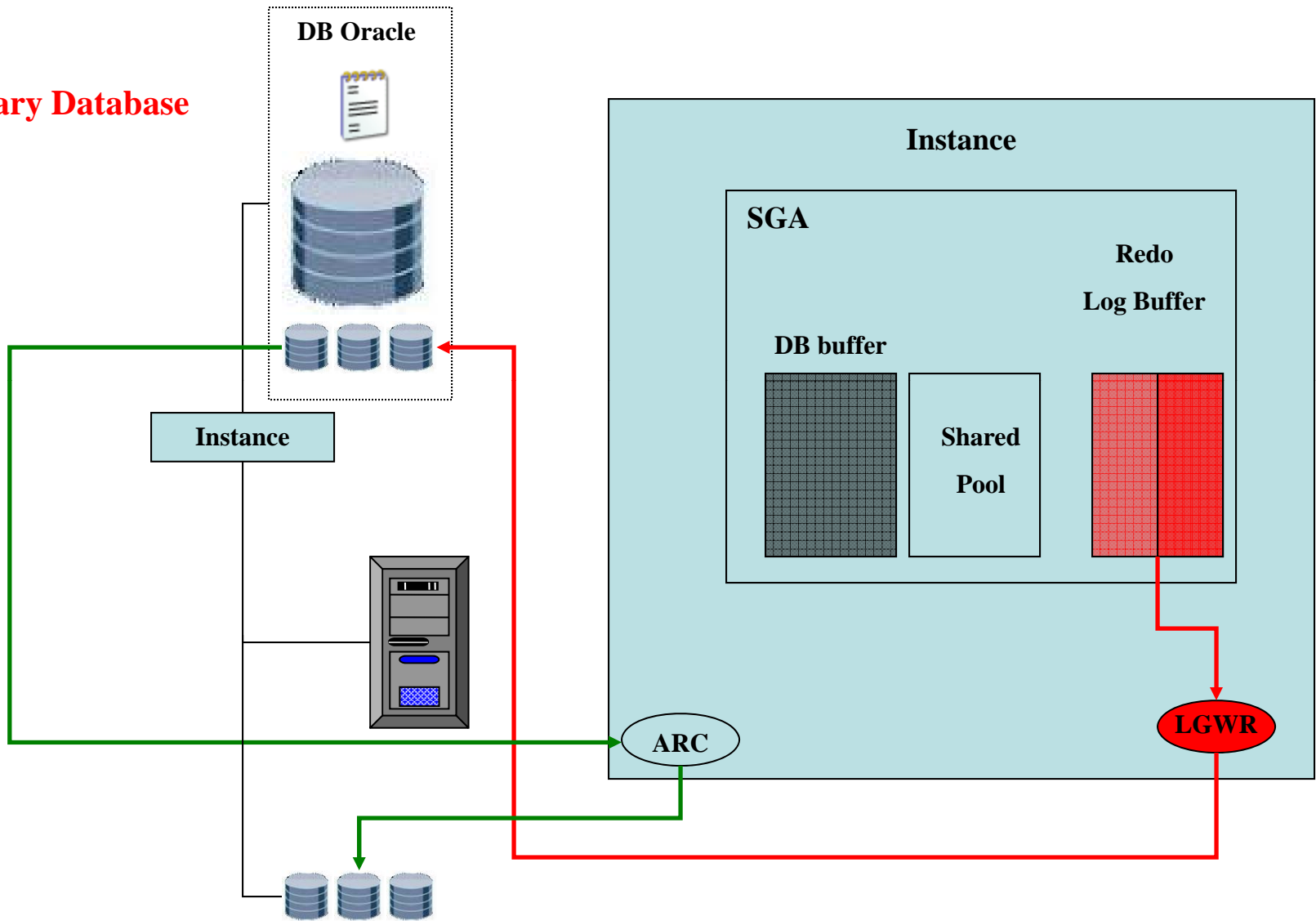


High Availability

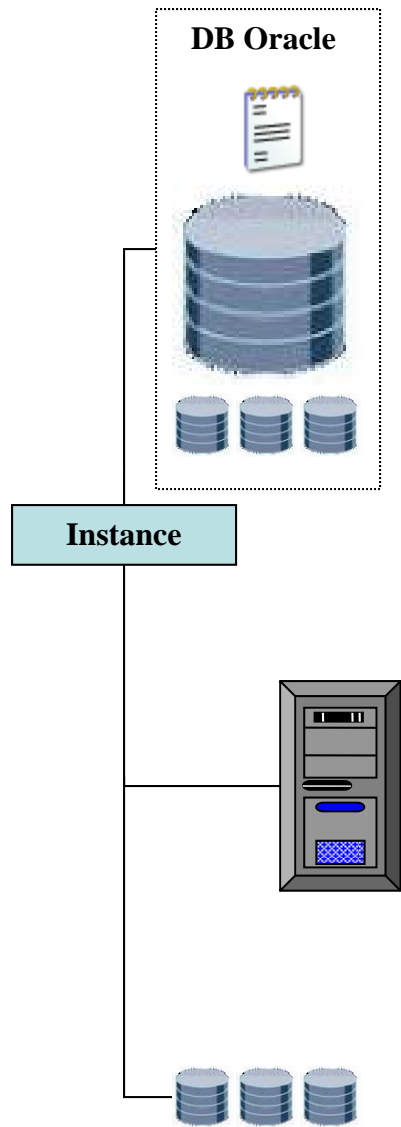


High Availability

Primary Database



Primary Site



High Availability

Name	Size	Type
lastapply.log	2 KB	Text Document
movearchive.bat	37 KB	Windows Batch File
movearchiveb.bat	39 KB	Windows Batch File
ARCHIVE_86658_001.ARC	524,288 KB	ARC File
ARCHIVE_86659_001.ARC	524,288 KB	ARC File
ARCHIVE_86660_001.ARC	524,288 KB	ARC File
ARCHIVE_86661_001.ARC	524,288 KB	ARC File
ARCHIVE_86662_001.ARC	524,288 KB	ARC File
ARCHIVE_86663_001.ARC	524,288 KB	ARC File
ARCHIVE_86664_001.ARC	524,288 KB	ARC File
ARCHIVE_86665_001.ARC	524,288 KB	ARC File
ARCHIVE_86666_001.ARC	524,288 KB	ARC File
ARCHIVE_86667_001.ARC	524,288 KB	ARC File
ARCHIVE_86668_001.ARC	524,288 KB	ARC File
ARCHIVE_86669_001.ARC	524,288 KB	ARC File
ARCHIVE_86670_001.ARC	524,288 KB	ARC File

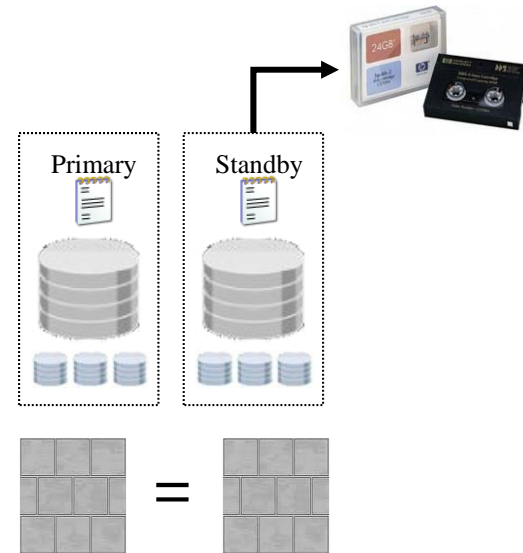
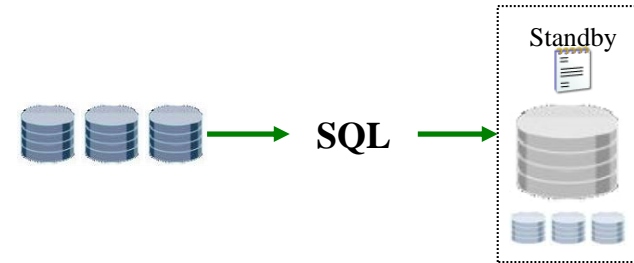
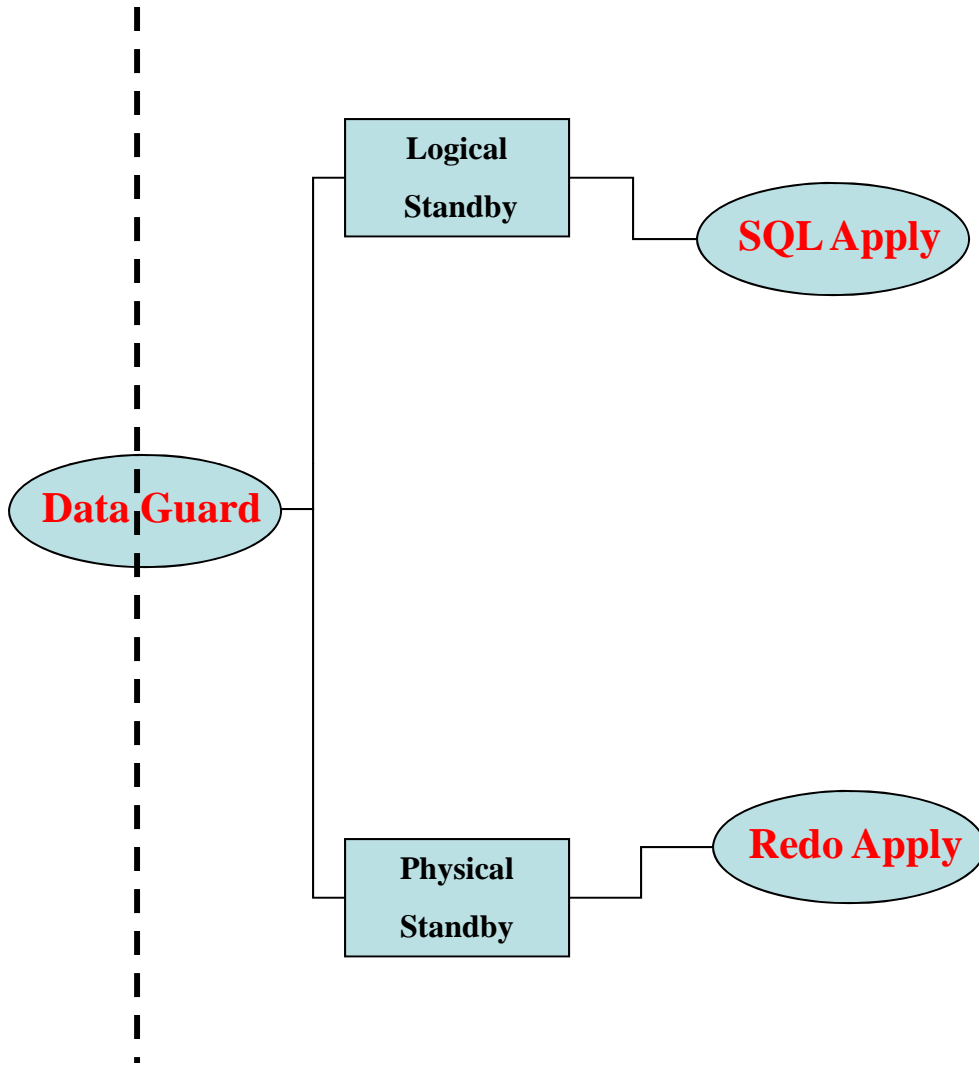
DATA GUARD PROTECTION MODES

MODE	RISK OF DATA LOSS	TRANSPORT	IF NO ACKNOWLEDGEMENT FROM THE STANDBY DATABASE, THEN:
Maximum Protection	Zero data loss Double failure protection	SYNC	Stall primary database until acknowledgement is received from the standby database
Maximum Availability	Zero data loss Single failure protection	SYNC	Stall primary database until acknowledgement is received or NET_TIMEOUT threshold period expires – then resume processing
Maximum Performance	Potential for minimal data loss	ASYNC	Primary never waits for standby acknowledgment

→
SYNC / ASYNC

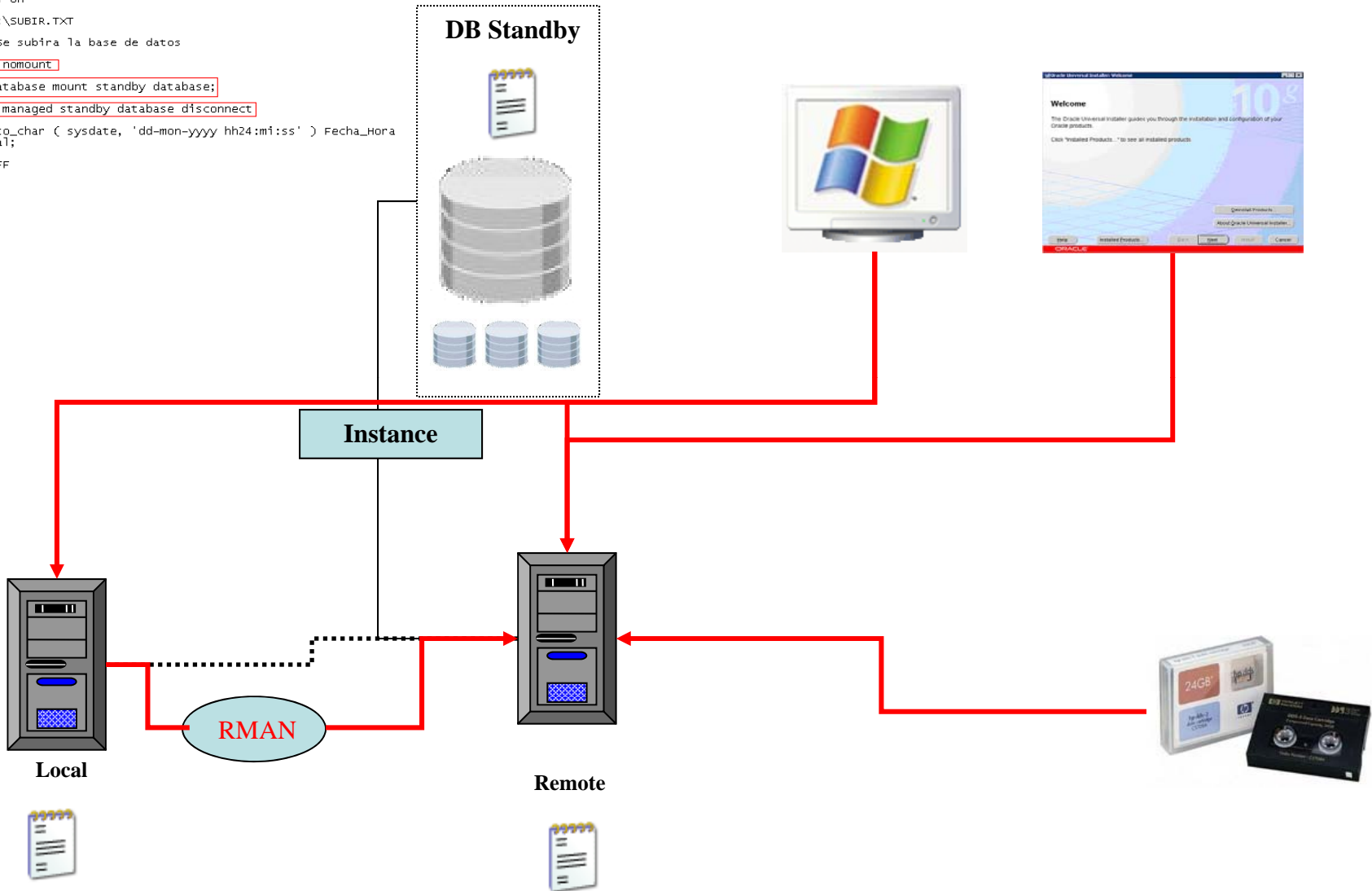
Standby Site

High Availability



High Availability

```
set time on
set timi on
spool C:\SUBIR.TXT
prompt Se subira la base de datos
startup nomount
alter database mount standby database;
recover managed standby database disconnect
select to_char ( sysdate, 'dd-mon-yyyy hh24:mi:ss' ) Fecha_Hora
from dual;
spool off
exit
```



High Availability

Standby databases can be used to:

- **Queries and reports**
- **Testing**
- **Maintenance**
- **Rolling database upgrades**
- **Software Oracle**
- **Disaster protection (DRP)**
- **Service Level Agreements SLA**

High Availability



High Availability

Gracias

mario_aldana@hotmail.com