**LESSON 11 PRACTICE ASSIGNMENT**

Calculation:

The worst case RTO is that you have to retrieve the tape from offsite (4 hours) and then restore it (2 hours) giving you an RTO of 6 hours.

Worst case RPO is that the system crashes just before the nightly backup, i.e. at 9:59PM. So the RPO could be as high as 24 hours.

Result: Does not meet the SLA.

Proposed infrastructure:

Seeing as the company only requires basic database functionality they could move the accounting database to AWS RDS using Multi Availability Zones. RDS will synchronously replicate data changes to a standby and perform an automatic failover if required.

The RPO and RTO would drop to a just few minutes.